



CHRISTOPHER NEWPORT

UNIVERSITY

UNDERGRADUATE CATALOG

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Christopher Newport University is committed to providing an environment that emphasizes the dignity and worth of every member of its community and that is free from harassment and discrimination based on race, color, religion, sex, national origin, age, disability, genetic information, sexual orientation, veteran status, political affiliation, or any other status protected by law. Such an environment is necessary to a healthy learning, working, and living atmosphere because discrimination and harassment undermine human dignity and the positive connection among everyone on campus. In pursuit of this goal, any question of impermissible discrimination and/or harassment on these bases will be addressed with efficiency and energy in accordance with the Discrimination, Harassment and Sexual Misconduct Policy. Anyone having questions concerning the policy and procedures should contact the Director of Title IX and Equal Opportunity.

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WELCOME TO CHRISTOPHER NEWPORT UNIVERSITY

Christopher Newport University is a superb choice for your college studies. Small class sizes, accomplished professors who put your education first and a picturesque, safe campus create an environment hard to find in public higher education. Come explore further the quality of life you will enjoy here.

Our Students

There's no such thing as a typical Christopher Newport student! Our 5,000 students hail from every part of Virginia, 28 other states and 32 foreign countries.

Each year we welcome 1,200 new freshmen and more than 100 transfers with diverse interests and fields of study.

Our students thrive on the close relationships they form with their professors. Many work with faculty on pioneering research — from wetland studies at the Great Dismal Swamp National Wildlife Refuge to robotics at NASA to particle research at the Thomas Jefferson National Accelerator Facility.

The number of admission applications has soared by more than 700 percent in the last decade, and the average SAT score for last year's incoming freshmen (Critical Reading and Math) was 1210. The average GPA (4.0 scale) was 3.75. Plus, more students are seeking entry into our distinguished Honors Program and President's Leadership Program.

Christopher Newport also offers many international study opportunities, including our permanent relationship with the University of Oxford and dozens of smaller, faculty-led programs. Signature academic programs include the Master of Arts in Teaching, Pre-Law Program, Pre-Med and Pre-Health Program, and a cutting-edge program in neuroscience.

Professors and Academics

Our professors love to teach, and most chose Christopher Newport for our commitment to academic excellence. Outstanding veteran faculty members offer an incredible depth of experience and knowledge, and 60 percent of our classes have 19 or fewer students.

Christopher Newport professors have won numerous awards for great teaching, plus many large research grants. They regularly publish highly regarded books and articles on myriad topics, often working with student co-authors.

Our marketing students have won top honors regionally and nationally. The Joseph W. Luter, III School of Business is accredited by the Association to Advance Collegiate Schools of Business, one of only 42 schools in the nation offering only undergraduate programs to earn this honor.

In psychology, students regularly make presentations at the top East Coast conference, where they are often mistaken for graduate students due to the quality of their work.

CNU has received top recognition from *Forbes*, *Kiplinger's Personal Finance* and The Princeton Review organization. *U.S. News & World Report* selected Christopher Newport as one of America's up-and-coming schools, those that have made "the most promising and innovative changes in the areas of academics, faculty, student life, campus and facilities."

Intercollegiate Athletics

Playing to win is a passion at Christopher Newport. As part of NCAA Division III, our athletes excel in the classroom and on the field of play through 24 varsity teams. Since 1980, we have produced more than 640 All-Americans and won more than 80 national team and individual titles.

Our football team was the first in NCAA history to win its conference and go to the NCAA playoffs in its first year of play. Exceptional venues for baseball, lacrosse, softball and soccer make it easy to cheer on the Captains. Nearly every year we have the top winning percentage among Virginia schools.

Student Life

A community of honor, Christopher Newport is a place where students, faculty and staff care about each other and help make the college experience positive. Our students participate in more than 200 clubs and organizations, along with dozens of recreational and club sports as well as service projects. Whether you're interested in biology field trips to the ocean or launching a campus club, our diverse activities make time outside the classroom memorable.

Each year you'll enjoy performances by major artists and renowned speakers, plus special events like Spring Fest, Family Weekend and Homecoming. The Ferguson Center for the Arts, our world-class performing arts venue, features the 500-seat Peebles Theatre, a 200-seat experimental theater, and the awe-inspiring, 1,700-seat Diamonstein Concert Hall for performances by internationally known stars. Jewel, Wayne Brady, "Dancing With the Stars," Andrea Bocelli, Queen Latifah, David Copperfield, B.B. King and the Broadway hit "STOMP" have taken the stage here, among countless others. Students can attend most shows for \$5 to \$15!

Students and student life staff sponsor dances, clubs, Greek events, multicultural activities, comedy nights, recently released movies and outdoor festivals, among many other events.

Our Region

A great location makes for a great experience. Our region is not only a top resort area that attracts millions of visitors each year; it is also a center of high-tech development and research, including NASA Langley Research Center and the Thomas Jefferson National Accelerator Facility, site of groundbreaking physics research.

Students have easy access to the rolling dunes and pounding surf of Virginia Beach. A 20-minute ride west leads to Williamsburg and Jamestown; many students appreciate the splendor of American history and also find internships at Colonial Williamsburg and Busch Gardens.

The Campus: Present and Future

Our campus encompasses 260 acres within a park-like setting in Newport News. We take pride in building everything to the highest standards. Christopher Newport also ranks as one of the safest campuses in Virginia.

We have completed \$1 billion in new capital construction, including Christopher Newport Hall, which houses in one location all vital services as students transition from admission through graduation. The Paul and Rosemary Tribble Library, with its 14-story tower lighted day and night, is the intellectual center of campus. It features a gourmet coffee shop with study rooms for quiet collaboration with friends, spacious reading rooms, and quiet corners for reflection and study.

Lewis Archer McMurrin, Jr. Hall is home to our superb liberal arts programs. Mary Brock Forbes Hall, our integrated science center, provides a 21st-century hub for education and discovery. Luter Hall houses the Luter School of Business; economics; sociology, social work and anthropology; leadership and American studies; mathematics; and physics, computer science and engineering.

State-of-the-art laboratories in computer science, computer engineering, physics, instrumentation and the natural sciences enhance the close interaction between professors and students.

Christopher Newport's residence halls win rave reviews from students and parents alike. Basic cable, a built-in micro-fridge, Internet access, carpeting, air conditioning and suite-style rooms make campus living attractive. We also offer wireless service in all public areas.

CNU Village, an elegant apartment complex on campus, provides private rooms with private baths, kitchens, washers and dryers, living rooms, cathedral ceilings, and your own private parking space! CNU Village is home to numerous

eateries — including Panera Bread, Subway, Moe's Southwest Grill and Tropical Smoothie, among others. Thanks to our dazzling residential facilities, 4,000 students now make campus their home.

The Freeman Center, for sports and convocations, features a 200-meter indoor track, three basketball courts and personal recreation/fitness space in the Triesmann Health and Fitness Pavilion. The Freeman Center is one of the nation's finest facilities of its kind and recently underwent further expansion. The building houses the 400-seat Gaines Theatre, as well as the James C. Windsor Center for Health and Counseling Services.

Surrounded by beautiful neighborhoods, Christopher Newport is a great place for walking, jogging or cycling, and you're only a few short blocks from the James River and a pleasant bicycle ride to a public white sand beach and park. We are also adjacent to pristine Lake Maury, surrounded by Mariners' Museum Park with 600 acres of trails and woodlands.

Come Visit!

See firsthand the quality of Christopher Newport University. We welcome your visit Monday through Saturday (except major national holidays) throughout the year. Call (757) 594-7015 or (800) 333-4268 to arrange a time. Also visit us online at admission.cnu.edu for special visit dates.

We look forward to welcoming you to Christopher Newport!

THE UNIVERSITY HONOR SYSTEM

The reputation and credibility of an institution of higher education requires the commitment of every member of the community to uphold and to protect its academic and social integrity. As such, all members of the Christopher Newport University community uphold and enforce the following:

The Honor Code:

“On my honor, I will maintain the highest standards of honesty, integrity and personal responsibility. This means I will not lie, cheat, or steal, and as a member of this academic community, I am committed to creating an environment of respect and mutual trust.”

Under the Honor Code of Christopher Newport University, it is expected that all members of the University community will demonstrate honesty and integrity in their conduct. Intentional acts of lying, cheating or stealing are violations of the Code that can result in sanctioning.

Each member of the University community is responsible for upholding and enforcing the Honor Code. The Honor System cannot function unless each member of the University community takes action when he or she believes any person may have violated the Honor Code. Members of this University community are obligated to report violations to appropriate University personnel in order to ensure the efficacy of the system.

STUDENT ACADEMIC RESPONSIBILITIES

CNU is a community comprised of students who:

- Value higher education and the community of scholars;
- Understand the meaning and aims of liberal learning;
- Establish learning as their top priority;
- Take initiative to participate actively in their own learning;
- Prepare for class, and attend regularly and on time;
- Take learning seriously in thought, word, and conduct;
- Complete assignments on time and with care;
- Respect all members of the academic community;
- Follow proper procedures and lines of authority for pursuing concerns and complaints;
- Know, understand and follow the *Code of Academic Work*, the *University Honor Code*, and the *General Requirements for Graduation*; and
- Take responsibility to seek help from faculty, staff, and fellow students as needed to succeed academically.

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CHRISTOPHER NEWPORT UNIVERSITY
ACADEMIC CALENDAR
FALL 2018 – SPRING 2019

Fall 2018: August 27- December 15

August	24	F	Academic Convocation and Honor Code Induction Ceremony
	27	M	Classes begin
	22-31	W-F	Add/Drop period
	31	F	Last day to <i>Add/Drop</i> (11:59 p.m.) and elect <i>Audit</i> status (5:00 p.m.)
September	3	M	Labor Day – classes meet
	14	F	Deadline for faculty to submit <i>undergraduate</i> change or extension of <i>I</i> grades for Spring 2018 (5:00 p.m.)
	14	F	Deadline for faculty to submit <i>graduate</i> change or extension of <i>I</i> grades for Spring 2018 (5:00 p.m.)
	17	M	Three Week Grade Entry begins (8:00 a.m.)
	21	F	Three Week Grades due (12:00 Noon)
October	8	M	Mid-term grade entry begins (8:00 a.m.)
	12	F	Mid-term grades due (12:00 noon)
	12	F	<i>Fall Recess (begins at 5:00 p.m.)</i>
	17	W	Classes resume
	24	W	Last day to <i>Withdraw</i> and elect <i>Pass/Fall</i> option (5:00 p.m.)
November	20	T	<i>Thanksgiving recess begins after last class meets</i>
	26	M	Classes resume
December	7	F	Classes end
	8-9	S-Su	University Reading/Study Day
	10	M	Final examinations begin
	10	M	Final grade entry begins (8:00 a.m.)
	12	W	University Reading/Study Day
	15	S	Final examinations end
	19	W	FINAL GRADES DUE (12:00 noon)

Spring 2019: January 7 - April 27

January	7	M	Classes begin
	2-11	M-F	Add/Drop period
	11	F	Last day to <i>Add/Drop</i> (11:59 p.m.) and elect <i>Audit</i> status (5:00 p.m.)
	25	F	Deadline for faculty to submit <i>undergraduate</i> change or extension of <i>I</i> grades for Fall 2018 (5:00 p.m.)
	25	F	Deadline for faculty to submit <i>graduate</i> change or extension of <i>I</i> grades for Fall 2018 (5:00 p.m.)
	28	M	Three Week Grade Entry begins (8:00 a.m.)
February	1	F	Three Week Grades due (12:00 Noon)
	25	M	Mid-term grade entry begins (8:00 a.m.)
March	1	F	Mid-term grades due (12:00 noon)
	1	F	<i>Spring Recess (5:00 p.m.)</i>
	11	M	Classes resume
	20	W	Last day to <i>Withdraw</i> and elect <i>Pass/Fall</i> option (5:00 p.m.)
April	19	F	Classes end
	20-21	S-Su	University Reading/Study Days
	22	M	Final examinations begin
	22	M	Final grade entry begins (8:00 a.m.)
	24	W	University Reading/Study Day
	27	S	Final examinations end
May	2	Th	FINAL GRADES DUE (10:00 a.m.)
	6-10	M-F	Commencement Week activities
	11	S	<i>Commencement</i>

Summer 2019

May 2019 Term Three-week session: M-F Classes May 6 - May 24

MAY	6	M	Classes begin
	7	T	Last day to <i>Drop/Add</i> (11:59 p.m.) and elect <i>Audit</i> status (5:00 p.m.)
	15	W	Last day to <i>Withdraw</i> and elect <i>Pass/Fail</i> (5:00 p.m.)
	23	Th	Classes end
	24	F	Final grade entry begins (8:00 a.m.)
	24	F	Final examinations
	29	W	FINAL GRADES DUE (12:00 noon)

Summer 2019 Extended Term: May 6 - August 2

May	6	M	Classes may begin
July	29	M	Final grade entry begins (8:00 a.m.)
August	2	F	Classes may end
	2	F	FINAL GRADES DUE (12:00 noon)

Summer 2019 Term 1 Four-week session: M-F Classes June 3 - June 28

June	3	M	Classes begin
	4	T	Last day to <i>Drop/Add</i> (11:59 p.m.) and elect <i>Audit</i> status (5:00 p.m.)
	17	M	Last day to <i>Withdraw</i> and elect <i>Pass/Fail</i> (5:00 p.m.)
	26	W	Classes end
	27	Th	University Reading/Study Day
	28	F	Final examinations
	28	F	Final grade entry begins (8:00 a.m.)
July	3	Th	FINAL GRADES DUE (12:00 noon)

Summer 2019 Term 2 Five-week session: M-Th Classes July 1 - August 1

July	1	M	Classes begin
	2	T	Last day to <i>Drop/Add</i> (11:59 p.m.) and elect <i>Audit</i> status (5:00 p.m.)
	15	M	Last day to <i>Withdraw</i> and elect <i>Pass/Fail</i> (5:00 p.m.)
	31	W	Classes end
August	1	Th	Final examinations
	1	Th	Final grade entry begins (8:00 a.m.)
	6	T	FINAL GRADES DUE (12:00 noon)

"We aspire to be a preeminent, public liberal arts and sciences university."

President Paul Tribble

Vision

Christopher Newport University, a small academically selective public university, is grounded in the principles of liberal learning and dedicated to the ideals of scholarship, leadership and service. We celebrate the values inherent in the liberal arts and sciences and live as a community of honor to inspire our students to lead lives of significance. We aspire to be a preeminent, public liberal arts and sciences university. We will pursue excellence in all that we do and dedicate ourselves to those initiatives that will strengthen our teaching, our scholarship, our academic programs and disciplines, and our campus community. We will build an intimate, diverse, residential community which will attract the most academically talented, inquisitive, and intellectually adventuresome students. We will ignite in our students a love of learning and instill a sense of responsibility and civic duty that will give our graduates the knowledge and confidence to engage as responsible leaders and citizens in their communities, the nation and the world.

Mission

The mission of Christopher Newport University is to provide educational and cultural opportunities that benefit CNU students, the residents of the Commonwealth of Virginia and the nation. CNU provides outstanding academic programs, encourages service and leadership within the community, and provides opportunities for student involvement in nationally and regionally recognized research and arts programs.

Our primary focus is excellence in teaching, inspired by sound scholarship. At CNU, personal attention in small classes creates a student-centered environment where creativity and excellence can flourish. Our primary emphasis is to provide outstanding undergraduate education. We also serve the Commonwealth with master's degree programs that provide intellectual and professional development for graduate-level students.

We are committed to providing a liberal arts education that stimulates intellectual inquiry and fosters social and civic values. CNU students acquire the qualities of mind and spirit that prepare them to lead lives with meaning and purpose. As a state university, we are committed to service that shapes the economic, civic, and cultural life of our community and Commonwealth.

History

CNU was authorized and established by the Virginia General Assembly in its 1960 session as a two-year branch of the College of William and Mary. The University derives

its name from Captain Christopher Newport, the English mariner who was among the most important men connected with the permanent settling of Virginia. It was Captain Newport who was put in sole charge and command of the small squadron of three ships that made the historic voyage, culminating with the landing at Jamestown in 1607. Christopher Newport University became a four-year, baccalaureate-degree-granting institution in 1971 and, in July 1977, became totally independent from The College of William and Mary. The University began offering graduate programs in July 1991.

The University first enrolled 171 students in September 1961 at its initial home, a former public school building in downtown Newport News, provided through the generosity of the city of Newport News and its school board. In 1963, the city of Newport News purchased and deeded to the Commonwealth the 75-acre tract where the present campus is now located.

The University derives its financial support from the Virginia General Assembly and from the tuition and fees paid by its students. The affairs of the University are directed by the Board of Visitors of Christopher Newport University, appointed by the governor of Virginia. The president of the University, appointed by the Board of Visitors, is the delegated authority over the administration and the courses of instruction.

UNIVERSITY PRESIDENTS

H. Westcott Cunningham

1961-1970

James C. Windsor

1970-1979

John E. Anderson, Jr.

1980-1986

Anthony R. Santoro

1987-1996

President Emeritus

Paul S. Tribble, Jr.

1996-Present

Accreditation

Christopher Newport University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award degrees at the baccalaureate and master's degree levels. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097 or call (404) 679-4501 for questions about the accreditation of Christopher Newport University.

ADMISSION TO THE UNIVERSITY

Robert Lange, Dean of Admission

Christopher Newport Hall 200

(757) 594-7015 Toll Free: (800) 333-4268 Fax: (757) 594-7333

Tour Information (757) 594-7334

admit@cnu.edu

The Office of Admission provides the following services:

- Reviews and acts on applications for freshman admission to the University and merit scholarship candidacy.
- Makes referrals to academic departments for curricular advising.
- Provides guided tours of the campus.
- Conducts information sessions on and off campus.
- Distributes University publications and electronic marketing material.
- Determines eligibility for in-state tuition.
- Represents the University at high school visits, college fairs, panel presentations and other recruitment venues.
- Sponsors on- and off-campus recruitment events.
- Conducts personal admission and scholarship application interviews.

It is the policy of Christopher Newport University to admit students whose ability and preparation indicate potential for success in the programs of study offered. CNU does not discriminate in admission on the basis of race, gender, color, age, religion, veteran status, national origin, disability, sexual orientation or political affiliation. Students may be admitted as degree-seeking students to the University beginning in the fall or spring semesters. Applicants must meet published deadlines, and the University will accept the best-qualified applicants on a space-available basis.

Admission Deadlines for Fall Freshman Applicants

<u>Application</u>	<u>Deadline</u>	<u>Notification Date</u>
Early Decision	November 15	December 15
Early Action	December 1	January 15
Regular Decision	February 1	March 15

Admission Deadlines for Spring Freshman Applicants

<u>Application</u>	<u>Deadline</u>	<u>Notification Date</u>
Regular Decision	October 1	Rolling

Freshman Admission Requirements, Degree-seeking

Admission to Christopher Newport University is selective and competitive. Space is limited in each entering class and admission offers are reserved for the best-qualified applicants. General requirements for freshman admission are:

- Graduation from an accredited secondary school or its equivalent. Christopher Newport University emphasizes strong academic preparation. Freshman applicants are expected to have completed a college preparatory curriculum, such as Virginia's 26-unit Advanced

Studies Diploma (ASD) program, or its equivalent. This program requires four units of English, four units in the social sciences, four units in mathematics, four units in laboratory science, three units in one foreign language or two units in two foreign languages, two units in health and physical education, two units of electives, and one unit in fine arts or career and technical education. The mid-range (middle 50 percent) for successful applicants is a 3.5-4.0 GPA and an 1150-1290 SAT (Evidence-Based Reading and Writing and Math) or 23-27 ACT (Composite). Each applicant is reviewed individually and holistically.

- American sign language courses may be used to meet minimum high school foreign language course requirements.
- The University accepts results from either the SAT or ACT. Applicants who have achieved a 3.50 cumulative high school GPA (on a 4.00 scale), or rank in the top 10 percent of their high school graduating classes may apply to the University without submitting a standardized test score. Test Optional applicants will be reviewed for the strength of their academic curriculum, recommendations, personal statement, extra-curricular involvement and admission interview. A limited number of Test Optional spaces are available within each entering freshman class. The Classical Learning Test (CLT) is also considered if submitted.
- An essay or personal statement of approximately 250-500 words.
- All admission applicants are strongly encouraged to schedule an admission interview. Interviews are required for all merit scholarship applications administered by the Office of Admission.
- *Optional* – personal recommendation, preferably from a teacher in a core subject.
- Degree-seeking applicants must submit a non-refundable application fee (see Undergraduate General Fees).

First, second and third year students are required to live on campus unless they live with a parent or legal guardian in one of the following exempted areas: Newport News, Hampton, Poquoson, Yorktown, Seaford, Grafton, or Tabb. The residential experience is designed for students who reach 17 to 22 years of age by September 1, 2017. Students who are younger or older than the previously stated ages will receive consideration on a case-by-case basis.

Documents Required for Freshman Applicants

The following documentation must be submitted in addition to the application for admission:

1. **Current High School Students:** An official transcript from the applicant's secondary school. Official SAT or ACT scores are also required (except for Test Optional applicants).
2. **High School Graduates/Adults:** Applicants who graduated prior to the current year must also submit an official final high school transcript designating graduation date. (SAT or ACT is required of applicants who graduated from high school less than five years prior to applying).
3. **Home School Students:** Applicants must submit a transcript describing their college-preparatory courses and test results from either the SAT or ACT. A *Home School Supplement Form* is required at the time of application submission.

Admission for International Students

Christopher Newport University is authorized by federal law to enroll non-immigrant alien students. The admission application deadlines for international students are February 1 and October 1, for the fall and spring semesters, respectively. Since the University is a state-supported institution, it cannot provide financial aid to international students. International applicants who are not U.S. citizens are required to:

1. Submit an application for admission under degree-seeking status.
2. Submit official copies of secondary school transcript(s). If these documents are not in English, certified English translations are required.
3. Submit official scores from the SAT or ACT if native language is English. Results should be sent directly from the testing agency. The CNU SAT code is 5128 and the ACT code is 4345.
4. Submit scores from one of the following testing agencies to demonstrate English proficiency if native language is not English: Test of English as a Foreign Language (TOEFL); International English Language Testing System (IELTS); International Test of English Proficiency (iTEP); Michigan English Language Assessment Battery (MELAB); Trinity Integrated Skills in English (ISE).
5. Submit a *Financial Resources Statement*, including any official bank statements or affidavits to demonstrate the financial resources required to pay the cost of attendance at CNU.
6. Submit a non-refundable application fee (see *Undergraduate General Fees*).

Enrichment Program for High School Students

The University offers well qualified high school juniors and seniors an opportunity to enroll in limited coursework at CNU prior to graduation from high school as a way to bridge the gap between high school and college. Open to students with strong academic backgrounds and standardized test scores, such students may take only courses for which they meet the prerequisites. An interview with the Dean of Admission is required, after receipt of the following application materials.

- Non-Degree Application for admission, including a \$65 application fee.
- Official high school transcript.
- Official SAT or ACT scores.
- Letter of recommendation from high school principal, granting permission to take college courses at CNU.

Placement Credit Policies

The University will review student records for placement credit in accordance with the following policies. Please note that these policies and the required scores are reviewed and updated annually. Official score reports from each testing agency are required. All placement credit is posted to the advising transcript available on the student's individual CNU Live account after the May 1 Enrollment Deposit Deadline based on the test score and applicable CNU credit chart published annually. Prospective students should check the CNU website for updates at cnu.edu/registrar/placement/.

- **International Baccalaureate (IB) Program.** Students who want to have courses reviewed for college credit must supply official proof of IB Diploma completion (in addition to official test score reports) to the Office of Admission. Departmental or elective credit is awarded based on individual exam score.
- **Advanced Placement Program (AP) of the College Board.** Departmental or elective credit is awarded for each eligible course based on exam score.
- **University of Cambridge International Examinations.** Departmental or elective credit is awarded for each eligible course based on exam score.

ADVANCED PLACEMENT

The following scores are effective for Fall 2019 applicants.

Credit received through the Advanced Placement (AP) exam may be applied toward degree requirements. Please note that these policies and the required scores are reviewed and updated annually. Prospective students should check the CNU website for updates at cnu.edu. Listed below are acceptable tests and minimum scores necessary to earn credit at CNU:

<u>AP Test</u>	<u>Score</u>	<u>Credit</u>	<u>CNU Equivalent</u>
Art History*	3	3	FNAR 201
Art Studio 2D	3	A*	A*
Art Studio 3D	3	A*	A*
Art Studio Drawing	3	A*	A*
Biology	3	3	BIOL 107
Biology	4	7	BIOL 107/108/109L
Calculus AB	3	3	MATH 135
Calculus AB	4	4	MATH 140
Calculus BC	3	8	MATH 140/240
Chemistry	3	4	CHEM 103/103L
Chemistry (B*)	4	7/8	CHEM 121/121L /122
Chinese**	3	6	CHIN 101/102
Computer Science A	3	3	CPSC 110
Computer Science A	4	4	CPSC 150/150L
Economics (Macro)	3	3	ECON 201
Economics (Micro)	3	3	ECON 202
English Lang/Comp***	4	3	ENGL 123
English Lit/Comp***	4	3	ENGL elective credit (1XX)
Environmental Science	3	4	BIOL 115/109L
French**	3	6	FREN 101/102
Geography (Human)	3	3	GEOG 210
German**	3	6	GERM 101/102
Government (United States)	3	3	POLS 101
Government (Comparative)	3	3	POLS 215
History (European)	3	3	History Elective Credit (1XX)
History (U.S.) †	3	3	HIST 121
History (World) ‡	3	3	HIST 111
Italian**	3	6	ITAL 101/102
Japanese	4	12	JAPN 101/102/201/202
Latin**	3	6	LATN 101/102
Music Theory	3	3	MUSC 211
Physics 1	4	4	PHYS 151/151L
Physics 2	4	4	PHYS 152/152L
Physics C: Electricity & Magnetism & Calculus AB (4) or BC (3)	4	4	PHYS 202/202L
Physics C: Mechanics & Calculus AB (4) or BC (3)	4	4	PHYS 201/201L
Psychology	4	3	PSYC 201
Spanish Language**	3	6	SPAN 101/102
Spanish Literature**	3	6	SPAN 101/102
Statistics	3	3	MATH 125

* Score of 4 results in 3 additional credits (FNAR 202).

** Score of 4 results in 6 additional credits (201-202) and satisfies the Liberal Learning Foundation 2nd Language Literacy Requirement.

*** Score of 5 results in 3 additional English elective credits (1XX).

† Score of 5 results in 3 additional credits (HIST 122).

‡ Score of 5 results in 3 additional credits (HIST 112).

A* Credit is dependent upon portfolio and documentation.

B* Academic department makes individual recommendations for CHEM 122L.

INTERNATIONAL BACCALAUREATE (IB) PROGRAM CREDIT

The following scores are effective for Fall 2019 applicants.

Students who want to have courses reviewed for college credit must supply an official IB Transcript to the University Registrar for evaluation. Please note that these policies and the required scores are reviewed and updated annually. Prospective students should check the CNU website at cnu.edu. Christopher Newport University offers credit according to the following chart:

<u>IB Exam Subject</u>	<u>Score</u>	<u>Credit</u>	<u>CNU Equivalent</u>
Biology (HL)	4	3	BIOL 107
Biology (HL)	≥5	7	BIOL 107, 108, 109L
Business and Management (HL)	4	3	BUSN 1XX (lower level elective)
Chemistry (HL)	4	3	CHEM 103
	≥5	7/8	CHEM 121/121L, 122/*
Computer Science (HL)	4	3	CPSC 125
	5/6	7	CPSC 125, 150, 150L
	7	11	CPSC 125, 150, 150L, 250 & 250L
Economics (HL)	4	3	ECON 202
English A (HL)	6	3	ENGL 123
	7	6	ENGL 123 & ENGL elective credit
Foreign Language (HL)**	4	6	LANG 101, 102
	≥5	12	LANG 101-202
Geography (HL)	4	3	GEOG 210
	≥5	6	GEOG 210, 211
Global Politics (HL)	4	3	POLS 215
History (HL)	4	3	1XX (Lower level History elective)
Information Technology in a Global Society (HL)	4	3	CPSC 125
Mathematics (HL)	4	4	MATH 140
Music Theory (HL)	4	1	MUSC 209
	≥6	7	MUSC 209, 211 & Music elective credit
Philosophy (HL)	4	3	PHIL 202
Physics (HL)	4	4	PHYS 201, 201L
	≥5	8	PHYS 201, 202 & labs
Psychology (HL)	4	3	PSYC 201
Social and Cultural Anthropology	4	3	ANTH 203
Theater Arts (HL)	4	3	THEA 210
Visual Arts	4	3	FNAR 118
	≥5	6	FNAR 118 & FNAR 1XX (elective credit)

*Department makes individual recommendations for CHEM 122L.

** Only HL language exams accepted: Arabic, Chinese (Cantonese or Mandarin), French, German, Greek, Italian, Japanese, Latin, Russian, and Spanish.

Christopher Newport University does not award academic credit for IB coursework at the Standard Level (SL).

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

The following scores are effective for **Fall 2019** applicants.

Advanced standing credit is awarded for Cambridge examinations. The pre-approved departmental equivalencies for qualifying examination scores are listed below. Please note that these policies and the required scores are reviewed and updated annually. Prospective students should check the CNU website at cnu.edu.

<u>Cambridge Exam</u>	<u>Grade**</u>	<u>Credit</u>	<u>CNU Equivalent</u>
Biology	A, B or C	6	Biology 107 & 108
Computer Science	A, B or C	3	Computer Science 125
Chemistry	A, B or C	6	Chemistry 121 & 122
English Language	A, B or C	3	English 123
French	A, B or C	0	French 300 level placement
German	A, B or C	0	German 300 level placement
Mathematics - Further			
• Pure Mathematics	A, B or C	4	Math 140
Physics	A, B or C	6	Physics 151-152
Psychology	A, B or C	3	Psychology 201
Divinity	A, B or C	3	Religious Studies 232
Sociology	A, B or C	3	Sociology 205
Spanish	A, B or C	0	Spanish 300 level placement

** Grades of A, B, or C on selected A-level and AS-level examinations.

ADMISSION FOR TRANSFER, READMIT AND NON-DEGREE STUDENTS

Bonnie Tracey, Director of Transfer Enrollment

Christopher Newport Hall First Floor

(757) 594-7296

Fax: (757) 594-7711

transfer@cnu.edu

The Office of Transfer Enrollment offers the following services:

- Reviews and acts on undergraduate transfer, non-degree and readmission applications.
- Serves as liaison to the Department of State and certifies both F-1 Visas and J-1 Visas.
- Facilitates international student services and maintains associated records.
- Serves as university official regarding state domicile issues and provides relevant training.
- Evaluates and awards transfer, dual enrollment, advanced placement credit, CLEP, International Baccalaureate (IB) Program credit and University of Cambridge International Examinations.
- Reviews and processes all Request to Take Courses Elsewhere Forms and the Virginia Tidewater Consortium agreements.
- Reviews reclassification of Virginia domicile applications.

Priority Application dates for Transfer, Readmitted and Non-degree Students

The priority application dates to apply as a non-freshman are:

Fall Semester	March 1
Spring Semester	November 1

Degree seeking applications for all individuals, including applicants under the Senior Citizen's Higher Education Act of 1974, will be considered complete and ready for review once we have received all of the required documentation.

Transfer Admission Requirements, Degree-seeking

Admission to Christopher Newport University is competitive and increasingly selective. Space in each class is reserved for the best-qualified applicants. Selection for admission is also dependent on a student's preparation for their intended field of study. To be considered for transfer admission, priority is focused on those students presenting a minimum cumulative grade point average of 3.00 GPA, 15 hours of college level credit, and completion of one class in college level mathematics and a college level English course. Transfer Enrollment staff carefully review all application materials and inform applicants of the admission decision. In addition to weighing grades and test scores, the Transfer Enrollment staff may consider co-curricular activities, community involvement, letters of recommendation, and the

applicant's educational and career objectives. (Note: Priority is granted to those applicants presenting a cumulative GPA of at least 3.0 from each college attended.)

Transfer applicants must:

1. Maintain good academic and disciplinary standing and be eligible to return to the last college or university attended.
2. Submit the *Common Application* online which includes an online essay.
3. Submit the non-refundable application fee (fee-waiver not applicable).
4. Submit official college transcript(s) from all colleges and/or universities attended by the stated application/credential deadline to the Office of the Registrar. **Transfer Enrollment accepts electronic college transcripts through Parchment.** (*Partial transcripts or grade reports are encouraged for those applicants who are still in attendance at their current college.*)
5. Submit official high school transcripts regardless of the graduation year. (Home-schooled applicants must submit the Common Application School Report form and a detailed description of curriculum. See Transfer Enrollment website for details.)
6. Submit one letter of recommendation through the Common Application. (Two or more are welcome and may be faxed, scanned or mailed).
7. Submit Transfer College Report (Verification of Enrollment Form) certified by each college attended.

Recommended Actions

1. Submit SAT/ACT test results if graduation from high school was five years ago or less.
2. Schedule an interview with Transfer Enrollment Staff. Interviews are not mandatory but they are highly recommended.

Degree Completion Requirement

To receive a baccalaureate degree, transfer students must complete at least 45 semester hours of credit in residence at CNU.

Documents Required for Transfer Applicants

1. Transfer applicants must request that all colleges previously attended submit official transcripts and the Transfer College Report (Verification of Enrollment Form) certified by each college attended to the Office

of the Registrar. Transfer applicants who are enrolled elsewhere when they apply may be conditionally admitted upon review of a partial transcript; however, a final offer of admission will not be made without an official final transcript and the final Transfer College Report. If a conditional offer of admission was made based on an unofficial transcript, and the official transcript indicates a lower GPA or grades below *C*, or the conditional decision was made without the final Transfer College Report and the final Transfer College Report indicates code of conduct concerns the university reserves the right to rescind any offer of conditional admission and cancel registration. Once an offer of admission is made, please realize that the applicant is expected to maintain full-time enrollment (12 credit hours) each term.

- 2. Concealment of previous attendance at another college or university is cause for cancellation of the student's admission and registration. New transfer or readmission applicants who have been suspended or placed on academic probation from Christopher Newport University or any college or university for non-academic, social, or disciplinary reasons may be denied admission to the University. If offered admission, should CNU learn of conduct that would violate CNU conduct standards, the Transfer Enrollment Admission Committee will reconsider the admission decision and may withdraw the offer.**

Transfer Credit

Transfer Enrollment evaluates credit for applicants transferring from another college or university. Upon completion of transfer evaluation, a summary of transferable credits is posted to the student's web-based account called CNU Live, available by logging into 'CNU Connect' link on CNU's homepage. This is posted after the student is admitted to the University within the following guidelines:

1. A maximum of 92 semester hours of transfer credit will be granted for courses which carry a grade of *C* or higher and which are comparable to courses offered by Christopher Newport University. *Be advised that the minimum grade of C is not appealable.*
2. Of the allowable total of 92 semester hours of transfer credit, no more than 66 semester hours of transfer credit will be granted for junior or community college courses that carry a grade of *C* or higher. *Be advised that the minimum grade of C is not appealable.*
3. A maximum of 60 semester hours of credit, referred to as transfer credit, will be granted for work completed through the College Level Examination Program (CLEP), the College Entrance Examination Board Advanced Placement Program, the International Baccalaureate (IB) Program. (Note: with the exception of the portfolio accompanying certain AP scores, CNU does not typically award credit based on the presentation

of a student portfolios.)

4. Unless otherwise authorized by Transfer Enrollment, all transfer students, including students who already hold baccalaureate degrees, will have the maximum allowable number of credits transferred and recorded on their CNU academic records. When the number of transferable credits previously earned exceeds the maximum allowable credit, the choice of credits to be transferred will be determined by the Director of Transfer Enrollment.
5. Grades from other colleges/universities do not transfer into the student's GPA at CNU. Only the course and credits are posted from previous colleges to the CNU transcript. Credit for developmental, remedial, and activity courses do not transfer to CNU.
6. Transfer credit policies pertaining to prior service in the Armed Services of the United States, the Community College of the Air Force and the ACE Guide are posted at cnu.edu/registrar/transfer/.

Readmission to the University

Students must apply for readmission if they do not enroll for two consecutive regular semesters (fall and spring). All academic records are considered, including work completed during the student's absence from CNU. Competitive admission standards in effect at the time of readmission are used. Readmission applicants must submit the *Common Application* online with the non-refundable application fee. The application/credential deadline for the fall semester is March 1 and November 1 for the spring semester.

Students who left the University while not in good academic standing are referred to the Suspension and Reinstatement Procedure section of this catalog. **Please note that an academically suspended student who has not reenrolled for two consecutive regular semesters (fall and spring) must be readmitted prior to seeking a *Second Chance Contract*.**

Degree seeking students who leave the University for a period of one full academic year or more must be readmitted and will be required to meet all liberal learning curriculum, major, minor and concentration requirements that are in effect (per the *Undergraduate Catalog*) when they are readmitted to Christopher Newport University.

Non-degree Admission

Students who do not wish to seek a degree or are taking classes for career enhancement or personal growth, may earn academic credit as a part-time student in the same way as degree-seeking students. Please note that all academic and administrative policies also apply to non-degree seeking students. Financial aid is not available and prerequisites must be met for individual courses. The application/credential deadline for the fall semester is March 1 and November 1

for the spring semester.

Categories of Non-degree students

1. Students who, at the time they enroll, do not wish to pursue a degree program.
2. Students who wish to take a course for personal enrichment or to explore the possibility of pursuing a degree at a later time.
3. Students who want to earn academic credit applicable to a degree at another college or university.
4. CNU employees using tuition waiver.

Non-Degree Admission Requirements

Non-degree applications for all individuals, including applicants under the Senior Citizen's Higher Education Act of 1974, will be considered complete and ready for review once we have received all of the following information listed below:

1. Applicants in this category must complete the Non-Degree Application, pay the \$65 application fee (non-refundable-see undergraduate general fees), and submit official high school transcript, official transcripts from all colleges and universities attended, and submit the Transfer College Report verification from **all** colleges and universities attended. **Transfer Enrollment does accept electronic transcripts through Parchment.** Please request all official college transcripts, official college Transfer Report Verification of Enrollment Form(s) from all colleges and official high school transcript be sent to the Office of the Registrar, ATTN: Transfer Enrollment. These credentials may be submitted at the time of application. **Students admitted as non-degree seeking are not permitted to enroll as full-time students.**
2. Applicants who enter as non-degree students must be academically eligible to return to all institution attended, and have a minimum overall GPA of at least 3.0 on **all** past academic work.
3. Students who begin at CNU in non-degree status and wish to change to degree-seeking status must reapply for admission to be considered for degree seeking status. Past academic credentials from high school and college will be reviewed and regular admission standards will apply.
4. Applicants must have met all prerequisites for courses in which they wish to enroll.

OFFICE OF STUDENT ACCOUNTS, CASH SERVICES

Diane Reed, University Comptroller
Christopher Newport Hall, first floor
(757) 594-7195 Student Accounts
(757) 594-7042 Cash Services

Student Accounts and Cash Services

Office Hours:

Monday - Friday:
 8:00 a.m. - 5:00 p.m.

TUITION, FEES AND FINANCIAL INFORMATION

Current tuition and fees can be found on the CNU Business Office website at: cnu.edu/tuition.

Tuition, fees, and room and board rates are determined annually and approved by the Board of Visitors in May for the following academic year. Current rates and information can be found on the CNU Business Office website at cnu.edu/tuition.

Interpretation of matters concerning fees is the responsibility of the Executive Vice President. The President of Christopher Newport University has final authority in the interpretation.

Tuition

Undergraduate students who have registered for 12 to 17 credit hours will be defined as full-time students and will qualify for the full-time rate. Any combination of credit courses and audit courses satisfies the 12-credit-hour minimum for eligibility for the full-time rates. The full-time rate only applies to fall and spring terms. The full-time rate does not apply to registration for other terms even though the student may be registered for more than 12 credit hours during those terms.

Students who register for more than 17 credit hours will be charged the full-time rate plus the appropriate per-credit-hour rate for each additional hour above 17 credit hours. Tuition payments for students who register for fewer than 12 credit hours are based on a charge for each credit hour of instruction. The tuition and fees for auditing a course are the same as the tuition and fees for taking a course for credit.

Room and Board

Students, who reside in University Housing and have a meal plan, will be billed the current room and board rates as approved by the Board of Visitors. Current room and board rates can be found on the Housing website at cnu.edu/life/housing/roomandboard.

Tuition Surcharge

Beginning in 2006, the Commonwealth of Virginia enacted legislation to place a limitation on student's eligibil-

ity for in-state tuition. Upon completion of 125 percent of the credit hours required to obtain a degree in the student's program, the student may be assessed a surcharge which is equivalent to the cost of tuition at the out-of-state rate. Please note that certain courses and credit hours may be excluded from the 125 percent calculations.

Students who have or will have earned 145 or more credit hours should contact the Office of the Registrar for more information. Impacted students may appeal to the Office of the Registrar for a waiver as provided by the *Code of Virginia*, Section 23-7.4.

General Fees

- Current fees can be found on the CNU Business Office website at: cnu.edu/tuition.
- Students who wish to be admitted to the University must pay an **application fee**. This fee is non-refundable and may not be applied to other fees. If the fee is paid with the initial application for admission but the student does not enroll in the term for which he or she originally applied, it may be carried forward only to the next term. The fee does not apply to continuing education courses.
- A non-refundable **applied music instruction fee** is charged per one credit hour course.
- A **laboratory fee** is assessed on specific courses.
- A non-refundable **orientation fee** is required for all entering freshman and transfer students.
- A **late fee penalty** is charged for additional charges and balances billed and not paid by the applicable payment deadline.
- A **parking fee** is charged per academic year.
- A **returned check fee** is charged for each returned check.
- A **study abroad fee** is required on specified courses.

Schedule Changes (Add/Drop)

The amount of tuition and fees will not increase if a full-time student (taking at least 12 credit hours) increases his or her academic workload to no more than 17 credit hours unless the course added requires an additional fee. If a full-time student (taking at least 12 credit hours) decreases his or her academic workload to fewer than 12 credit hours, eligibility for the full-time tuition rate is voided; and tuition and fees will be adjusted to the per-credit-hour rates. If a full-time student (taking at least 12 credit hours) increases

his or her academic workload to exceed 17 credit hours, the full-time rate will be charged plus the per-credit-hour rate for each credit hour over 17 credit hours.

A part-time student who increases his or her academic workload to 12 to 17 credit hours will be eligible for the full-time rate, and the student's account will be adjusted accordingly.

Schedule changes that result in additional charges are due by the payment due date. If this date has passed, then payment is due in full on the date the course is added.

Students who are using the semester payment plan and who add/drop a course or courses may increase or reduce their payment schedules. Students should contact Student Accounts directly to take this action.

For students who plan to or are receiving financial aid, course-load reductions and additions can affect the amount of financial aid awarded to them. This is particularly true if a course reduction results in a full-time student becoming a part-time student. Students will be responsible for any charges remaining after a course-load change, and any amount due as a refund under the University's policy may be refunded directly to the financial aid grantor, rather than to the student, if the rules of the grantor so require. If a student receives a financial aid award and must decrease his or her academic workload to less than 12 credit hours, he or she should contact the Office of Financial Aid, telephone (757) 594-7170.

PAYING YOUR BILLS AT THE UNIVERSITY

You can view your student account bill and make eCheck (electronic check transfer) or credit card payments to pay your tuition and fees, and room and board charges online, through your CNULive account. There is a convenience fee for all credit card payments. **No Paper bills will be mailed.**

- No more waiting for your bill to arrive in the mail.
- No more guessing if payment is received. You will receive an immediate confirmation of payment online.
- No more writing paper checks and paying postage.

Please visit our website at cnu.edu/tuition for more details and instructions.

Billing

Christopher Newport University bills tuition, fees, room and board charges by term. Fall bills are posted online in July and payment is due in August. Spring bills are posted in December and are due in January. It is the student's responsibility to contact the Office of Student Accounts if they are having a problem accessing their bill. Failure to receive a bill does not waive the student from any financial penalties.

For registrations, schedule adjustments, housing and meal plan assignments taking place after early registration and the initial billing, payment is due by the payment due

date. If this date has passed, payment is due in full on the date of the change. It is the student's responsibility to pay all charges by the payment due date each term.

Please visit our website: cnu.edu/tuition for additional information and due dates.

Payments

1. You may view and pay your bill online through your CNU Live account.
2. Payment may also be made at the Cashier's Office with cash, money order, or check, payable to Christopher Newport University. The Cashier's Office is located on the first floor of Christopher Newport Hall.
3. Money order or check, payable to Christopher Newport University can be mailed to Christopher Newport University, Attn: Cashier's Office, 1 Avenue of the Arts, Newport News, VA 23606-3072.

Students may also pay their tuition bills to the University through a monthly payment program, discussed later in this publication.

Please take careful note of the following:

1. Students who owe the University any charges accrued from previous terms (i.e., tuition, room-and-board, parking fines, library fines, etc.) are required to pay these charges before being permitted to register or access grades.
2. Students who are receiving any form of tuition assistance must provide the Office of Student Accounts with properly approved tuition assistance forms and pay any balance by the payment due date or a late payment fee will be assessed.
3. Students who are receiving any form of financial aid must have accepted the aid, prior to the payment due date. Deferments will be for only the amount of the award, excluding work-study, and students are required to pay any balance by the payment due date. (Deferments do not apply to private alternative loan programs.) If a financial aid recipient chooses to withdraw from classes, they must complete the appropriate forms with the University Registrar. See **Tuition Refund Policy** below for withdrawal deadlines. Students may also be liable to repay any financial aid disbursed if the semester is not successfully completed. Late financial aid applicants must be prepared to meet the tuition obligation through means other than financial aid by the payment due date.
4. The University may, at its sole discretion, cancel a student's registration for failure to meet financial obligations at any time. Questions concerning financial policy and payment of tuition and fees should be directed to the Office of Student Accounts, located on the first floor of Christopher Newport Hall, telephone (757) 594-7195.

Payment Policy

Tuition and fees are considered fully earned and are due at the time of registration or no later than the payment due date established for each term. Tuition payment may be mailed if **received** in the University Business Office **by the payment due date**. Postmark date does not apply. You may also pay online with an eCheck (no fee) or credit card: VISA, American Express, Discover and Mastercard (a convenience fee applies with credit card use).

In the fall and spring terms, at 5:00 p.m. on the **payment due date, or any date thereafter, the University may cancel the registration for all students who have not made financial arrangements**. These students may register again during scheduled registration periods. The University does not guarantee that students will be able to obtain their original schedules. Classes are available on a first-come, first-served basis.

Monthly Payment Plan

Students may select to use the monthly payment plan and must sign up separately for each semester. This payment option allows payment of tuition and fees in monthly installments. When determining the amount to budget, please consider tuition and fees, applied music fees, lab fees, and room and board (if applicable). This plan may be used by full-time or part-time students.

Information concerning this plan may be obtained on our website at cnu.edu/businessoffice/payment, or by calling (757) 594-7582. Students are encouraged to apply for the plan as soon as possible, since late application for the plan requires a larger down payment. Students who have applied for and receive financial aid may participate in the monthly tuition payment plan. The University assesses a late payment fee for each payment that is made late. This fee is payable directly to the University.

Tuition Refund Policy

If the University cancels a course for which a student has registered, the student is entitled to a full refund for that cancelled course. Please note that refunds will not be issued for any fee which is listed in the University Catalog as a non-refundable fee, unless the course is cancelled by the University. Tuition and comprehensive fees will be refunded for Fall and Spring terms in accordance with the following policy:

- 100 percent for all courses dropped through the end of the first week of the academic term or for any course which is cancelled by the University.
- 75 percent for all courses withdrawn from during the second week of the academic term.
- 50 percent for all courses withdrawn from during the third and fourth week of the academic term, after which time there shall be no refund.

Federal financial aid recipients who totally withdraw from the University will have their refund processed in accordance with federal regulations. These laws provide for a prorated refund if a student totally withdraws before the academic term is complete. These funds may be refunded to the financial aid grantor, if the rules of the grantor so require. Applied music fees are not refundable after the first day of scheduled lessons with the instructor.

For students receiving financial aid or tuition assistance, funds received from these programs are applied to the student's account, as received, until the entire financial obligation to the University is satisfied. Refunds are made to the student from the last funds received, if the student's account is overpaid.

Students must drop or withdraw from courses on or before the deadlines listed above in order to be eligible for a refund. Students who are participating in the semester tuition payment budgeting plan and whose payments received by the University exceed the amount owed in accordance with the policy listed above will receive a direct refund from the University.

All refunds will be processed in accordance with the above policy. If there are extenuating circumstances (such as mandatory job transfer or active duty military mobilization from the Hampton Roads area documented by a letter from the employer and/or a copy of military orders or an extended period of inpatient hospitalization documented by a physician's statement, students should contact the Office of Student Accounts, located on the first floor of Christopher Newport Hall, telephone (757) 594-7195, to obtain a tuition refund appeal form. Notification of the final decision will be made within two weeks of the date the appeal is filed.

Please be aware that students are held individually responsible for the information contained in the Christopher Newport University Catalog. Failure to read and comply with University regulations will not exempt students from financial penalties. **Any appeal filed after the term will be denied regardless of the circumstances.**

Returned Checks

A **returned check fee** will be assessed for all checks returned from the bank to the University for any reason. An individual has seven (7) calendar days to repay the amount of the check and the returned check fee. If a check for tuition and fees is returned to the University from the bank for any reason a late payment fee will be assessed in addition to the returned check fee. If the student does not repay the total amount due within seven (7) calendar days, his or her registration will be cancelled. If the University receives two non-sufficient fund checks or eChecks from a student, the University will no longer accept checks or eChecks from the student or on the student's behalf.

Cashing of Student Checks

The Business Office will cash checks up to \$25.00. Checks should be made payable to *Cash*. Under regulations governing state-supported agencies, the University is not permitted to cash checks made payable to Christopher Newport University. A **returned check fee** is charged for each check returned for insufficient funds. If an individual has a check returned a second time, the University will revoke all check-cashing privileges. The University will not cash a check for an individual who owes a debt to the University.

Delinquent Financial Obligations

Students who have outstanding financial obligations to the University (to include tuition and fees, room and board, parking fees and fines, library fees and fines, checks returned for non-sufficient funds, etc.) will be refused all services to the University until these financial obligations have been paid in full. Students will not be permitted to register for subsequent terms, grades will be held, and the University will not issue official transcripts. This also will apply to students who retain property that belongs to the University.

If a student's financial account becomes delinquent, the University charges a late payment penalty and administrative fee. The University may turn the account over to a third-party collection agency or credit bureau, the Department of Taxation, and the Attorney General's Office. The University is permitted under Virginia Law to attach Virginia State income tax refunds or lottery winnings in repayment of any debt which is owed to the University. In the event an account becomes delinquent, the student is responsible for all administrative costs, collection fees, based on the percentage stated in the collection agency contract in effect, and attorney's fees incurred in the collection of funds owed to the University.

Incidental Expenses

It is impossible to estimate the exact costs of clothing, travel, and other incidental expenses which the student incurs, for these are governed largely by the habits of the individual. The cost of books depends on the courses taken. Money for textbooks cannot be included in checks covering tuition and fees.

Senior Citizens

The 1989 session of the Virginia General Assembly amended and reenacted the Senior Citizen's Higher Education Act of 1974. Senior citizens are permitted to register and enroll in courses as full-time or part-time students for academic credit, without charge, providing taxable income for federal income tax purposes did not exceed \$23,850 (effective July 1, 2015) for the year preceding the enrollment year. Senior citizens may also, without charge, enroll in academic credit courses for audit purposes and in non-credit courses offered by the University without regard to income. They will, however, be required to pay applied music fees and laboratory fees for any course for which such a fee is applicable. Senior citizens must meet the applicable Uni-

versity admission requirements to participate in this waiver program, and the determination of the University's ability to offer a selected course is at the discretion of the University.

The law passed by the General Assembly in the 1988 session requires the State Council of Higher Education to establish procedures to ensure that tuition-paying students are accommodated in courses before senior citizens participating in this program are enrolled. In the case of eligible senior citizens who have completed 75 percent of the requirements towards a degree, the University is authorized to make individual exceptions to such procedures as may be established by the Council of Higher Education.

Under this program, the categorization of senior citizen applies to those whose 60th birthday falls before the registration term and who have been a legal domiciliary of Virginia for one year. No limit is placed on the number of terms a senior citizen who is not enrolled for academic credit may register for courses, but the individual can take no more than three non-credit courses in any one term. The law places no restriction on the number of courses that may be taken for credit in any term or on the number of terms in which an eligible senior citizen may take courses for credit. The continuing education program welcomes the participation of senior citizens with the understanding that their registration is contingent on a minimum number of paying students to allow the course's formation.

Forms to request the senior citizen tuition waiver are available in the Office of Student Accounts, located on the first floor of Christopher Newport Hall, and must be completed for each academic term.

Classification as an In-State Student

All students claiming entitlement to in-state educational privileges, including in-state tuition rates, must demonstrate eligibility in accordance with the provisions of Section 23-7.4 of the Code of Virginia. **Applicants for admission who believe they qualify for in-state educational privileges must complete the Residency section of the Common Application (online).** Freshman applicants should direct questions to the Office of Admission, while transfer and readmit applicant questions are directed to the Office of Transfer Enrollment.

Continuing undergraduate students who believe that changes subsequent to their initial enrollment justify a reclassification of domiciliary status may complete the *Application for Reclassification for Virginia In-State Rates* form and return it to the Office of Transfer Enrollment.

Procedure

Upon receipt in the Office of Admission, the *Application for Virginia In-State Tuition Rates* form will be reviewed by a staff member for an initial determination. If the staff member disagrees with the student's own determination for in-state privileges, the student will be contacted immediately and given an explanation of the determination.

Procedure

Upon receipt in the Office of Admission, the *Application for Virginia In-State Tuition Rates* form will be reviewed by a staff member for an initial determination. If the staff member disagrees with the student's own determination for in-state privileges, the student will be contacted immediately and given an explanation of the determination.

Appeals

Students who disagree with the original residency decision may request an immediate appeal, orally or in writing; but it must be done within 10 working days of being notified of the initial determination. A panel of three University officials will then review the appeal. Students are welcome to forward any supporting documentation (e.g., income tax returns). The panel will respond to appeals within five working days. Students who still disagree may request a final appeal. This appeal must be made in writing, addressed to the Dean of Admission within five working days of the first appeal decision. Another panel of University officials will then convene to consider the appeal. A written notification of the panel's decision will be sent to the student by U.S. Registered Mail within five days of the hearing. Should the student disagree with the final determination, he or she then has 30 days to take this matter to Circuit Court.

SHORT-TERM EMERGENCY LOANS

The John Stephen Rasmussen Memorial Fund

This fund was established by the community in 1972, in memory of John Stephen Rasmussen, a 21-year-old student who lost his life in a fire while in the act of saving others. He was posthumously awarded a Carnegie Medal. Students may borrow, twice each Term, interest free, sums (funds permitting) for a period not to exceed 45 days. Applicants should present a valid Christopher Newport University student ID card when they apply to the Office of Student Accounts.

Emergency Loan Fund

An emergency loan fund was established in 1967 by the sophomore class, in honor of former CNU President James C. Windsor. Students may borrow interest free, sums for a period not to exceed 45 days. Students may receive no more than two emergency loans per academic term and each loan is limited to \$200, funds permitting. For emergency loan purposes, all summer terms equal one academic term. Applicants should present a valid Christopher Newport University student ID when they apply to the Office of Student Accounts.

VETERANS BENEFITS

Students who are using Veterans Administration education benefits for the first time should anticipate a delay of approximately eight weeks before the first education allowance check is mailed. Students who plan to use V. A. Benefits should contact the University's Office of the Registrar, located on the first floor of Christopher Newport Hall,

telephone (757) 594-7155. The University defers payment of tuition for Veteran's Chapter 31 and 33 benefits **only** when all paperwork has been completed and approved. Chapter 33 benefits can be reduced by other tuition restricted aid received by the student.

In accordance with U.S. Code, 38 United States Code (U.S.C.) 3679(c). Veterans Access, Choice and Accountability Act of 2014, the following individuals shall be charged a rate of tuition not to exceed the in-state rate for tuition and fees purposes:

- A Veteran using educational assistance under either chapter 30 (Montgomery G.I. Bill- Active Duty Program) or chapter 33 (Post-9/11 G.I. Bill), of title 38, U.S.C., who lives in the Commonwealth of Virginia while attending a school located in the Commonwealth of Virginia (regardless of his/her formal State of residence) and enrolls in the school within three years of discharge or release from a period of active duty service of 90 days or more.

- Anyone using transferred Post-9/11 G.I. Bill benefits (§ 38 U.S.C. § 3319) who lives in the Commonwealth of Virginia while attending a school located in the Commonwealth of Virginia (regardless of his/her formal State of residence) and enrolls in the school within three years of the transferor's discharge or release from a period of active duty service of 90 days or more.

- A spouse or child using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (§ 38 U.S.C. § 3311(b)(9)) who lives in the Commonwealth of Virginia while attending a school located in the Commonwealth of Virginia (regardless of his/her formal State of residence).

- Anyone described above while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same institution. The person so described must have enrolled in the institution prior to the expiration of the three year period following discharge, release as described above and must be using educational benefits under either chapter 30, chapter 33, or chapter 31 of title 38, United States Code.

- Anyone using transferred Post-9/11 G.I. Bill benefits (§ 38 U.S.C. § 3319) who lives in the Commonwealth of Virginia while attending a school located in the Commonwealth of Virginia (regardless of his or her formal State of residence) and the transferor is a member of the uniformed service who is serving on active duty.

- An individual using educational assistance under chapter 31, Vocational Rehabilitation and Employment (VR&E) who lives in the Commonwealth of Virginia while attending a school located in the Commonwealth of Virginia (regardless of his/her formal State of residence) effective for courses, semesters, or terms beginning March 1, 2019.

OFFICE OF FINANCIAL AID

Tina Russell, Director
 Christopher Newport Hall 107
 (757) 594-7170
 finaid@cnu.edu

Christopher Newport University offers financial assistance to qualified students to help pay for all or part of their college expenses. The University participates in a variety of federal, state and University programs, most of which are administered through the Office of Financial Aid. Types of available aid include scholarships, grants, loans, and student employment. Although most forms of financial aid are based on financial need, some use criteria other than financial need for eligibility. All students are encouraged to complete the Free Application for Federal Student Aid (FAFSA) annually, as soon as possible after October 1.

The University offers financial aid awards each year to qualified applicants who have been admitted to the University as degree-seeking students. Some awards are available to Virginia residents only, while others are made without regard to state residency. Most financial aid offered is based on established financial need and/or scholastic achievement. Financial need is defined as the difference between the Cost of Attendance at Christopher Newport University and the Expected Family Contribution (EFC), which is determined by submitting a completed Free Application for Federal Student Aid (FAFSA) to the federal processor.

To be eligible for most financial aid programs, a student must be:

- Enrolled as a degree-seeking student
- Enrolled on at least a half-time basis (some programs require full-time)
- In good academic standing
- Making satisfactory academic progress
- A U.S. citizen or permanent resident

Financial aid is awarded for one academic year at a time but, upon reapplication and continued eligibility, may be renewed for succeeding years. The priority filing deadline for applying for all financial aid administered by Christopher Newport University is March 1 for the following academic year. Students may apply for the Pell Grant and Direct Student Loan programs on a rolling basis. New students must be admitted to the University before receiving a decision letter regarding financial aid. Announcements of financial aid decisions for first-time freshmen applying through standard admission by the priority date are normally made no later than April. Announcements for early decision admits begin in mid-December and mid-January for early action.

Announcements for all returning students applying by the priority date are normally made in March. The Office of Financial Aid notifies all students of their financial aid award status via email. Students will be given instructions to access their electronic financial aid award packages where the aid offer must be accepted or declined.

Application Requirements

To be considered for financial aid, applicants must:

1. Be enrolled or accepted for enrollment at the University as a degree-seeking student.
2. File a Free Application for Federal Student Aid (FAFSA) with the federal processor each year, the results of which should be received by the University's Office of Financial Aid by March 1. **CNU's federal code for the FAFSA is 003706.** To meet this deadline, students should complete the FAFSA online at fafsa.gov as soon after October 1 as possible.
3. The Office of Financial Aid recommends that the completed FAFSA be submitted by December 15, which should allow for early awarding and consideration for all available need based aid.

AVAILABLE STATE AND FEDERAL PROGRAMS

Federal Programs

- Federal Pell Grant
- Federal Supplemental Education Opportunity Grant (SEOG)
- Federal Work-Study (student employment program)
- Federal Direct Student Loans
- Federal Direct Parent PLUS Loan

State Programs

- Two-Year College Transfer Grant Program
- Virginia Guaranteed Assistance Program (VGAP)
- Virginia Commonwealth Award
- Virginia Military Survivors and Dependent Education Program (VMSDEP), formerly Virginia War Orphans Education Program
- Virginia Line of Duty Survivor Education Benefits

Grants are considered gift aid and do not require repayment. Loan programs must be repaid, though the terms of re-payment may vary according to type and lender of the loan. The Federal Work Study program requires students to earn the award by working in an assigned position.

FEDERAL AND STATE GRANTS

For specific information concerning application and eligibility for federal and state programs, please visit our financial aid website at financialaid.cnu.edu.

Commonwealth Award is a need-based grant program funded by Virginia. Recipients must be Virginia residents. The Commonwealth award is restricted to paying the cost of tuition and fees only.

Federal Pell Grant is a need-based federal grant. Students must demonstrate the highest level of financial need.

Federal Supplemental Educational Opportunity Grant (SEOG) is a need-based federal grant. Students must demonstrate the highest level of financial need.

Federal Work Study (FWS) is a federal need-based work program that pays for the hours a student works on campus. FWS is not used towards a student's charges. Students are paid biweekly. Students must maintain a 2.00 GPA and be enrolled full-time.

Virginia Guaranteed Assistance Program (VGAP) is a need-based grant program funded by Virginia. Freshmen must graduate from a Virginia high school with a minimum GPA of 2.50 and maintain Virginia residency. Continuing students must maintain full-time enrollment and a cumulative grade point average of 2.00 or better to receive the grant. Students must also advance to the next class level each academic year for renewal. The VGAP award is restricted to paying the cost of tuition, fees and a book allowance only. Students may receive one scheduled award per class level.

Virginia Two-Year College Transfer Grant Program is a need-based grant program for transfer students who have received an associate's degree at a Virginia two-year public institution and graduated with a cumulative 3.00 GPA or higher. Students must not exceed a maximum Expected Family Contribution (EFC) of 12000. Continuing students must maintain full-time enrollment, minimum EFC requirements, and a cumulative 3.00 GPA or higher to renew the grant.

STATE WAIVERS

Virginia Military Survivors and Dependent Education Program (VMSDEP) provides eligible students, as confirmed by the Virginia Department of Veterans Services (DVS), with waiver of all tuition and mandatory fees at a Virginia public college or university. In addition, as funds are available, eligible students may receive a stipend to offset other educational expenses, such as room and board.

To be eligible, children and spouses of qualifying veteran service members must meet the following requirements:

1. The dependent child must be between the ages 16 and 29 inclusively; there is no age restriction for spouses.
2. The qualifying military service member must be a current Virginia citizen or maintained a physical presence in the Commonwealth of Virginia presently and for five consecutive years prior to the date of application submission or must have entered military service as a citizen of Virginia.
3. In the case of a deceased qualifying military service member, the surviving spouse can meet the residency requirements by:
 - a. Having been a Virginia citizen or maintained a physical presence in the Commonwealth of Virginia for five consecutive years prior to marrying the military service member, or
 - b. Presently being a Virginia citizen or maintained a physical presence in the Commonwealth of Virginia for five consecutive years prior to the date of application submission.

Virginia Line of Duty Survivor Educational Benefits are available to students whose parent or spouse was disabled or killed in the line of duty while employed or serving as a public safety officer with the Commonwealth of Virginia or one of its political subdivisions. Students are entitled to a waiver of undergraduate tuition and required fees at a Virginia public college or university under certain conditions.

Above referenced public safety occupations include law-enforcement officers, public university campus police officers, sworn law-enforcement officers, firefighters, forest wardens, rescue squad members, special agents of the Virginia Alcoholic Beverage Control Authority, state correctional, regional or local jail officers, regional jail or jail farm superintendents, sheriffs, or deputy sheriffs, members of the Virginia National Guard, or members of the Virginia Defense Force.

For more information, contact the Virginia Department of Accounts at 804-225-3038 or visit the Virginia Department of Accounts website.

CNU Scholarships

Institutional scholarships are awarded annually to incoming and currently enrolled students from programs made possible through contributions from alumni, faculty, staff, corporations, and friends of the University. Need-based scholarships are awarded through the Office of Financial Aid and are based on information provided on the FAFSA.

Certain private, academic based scholarships are available for students with strong backgrounds in academics and leadership. These scholarships are usually awarded by the Office of Admission or individual departments and not through the Office of Financial Aid – unless otherwise noted.

Student Loans

Students who need assistance in addition to those grants and scholarships listed above may want to consider the federal Direct Student Loan Program or request assistance through the federal Direct Parent PLUS Program for parents. A description of each program is listed below. Also, Private Education Loan Programs are available for those who do not qualify to borrow through the Direct Loan Programs or who need additional funding. For a private education loan, students and/or parents will select a lending institution of their choice to apply and borrow funds.

Federal Direct Student Loans

Federal Direct Student Loans may be need-based (Subsidized loans) or non-need-based (Unsubsidized loans). Subsidized loans are interest free to the borrower while the borrower is enrolled on at least a half-time basis. For Unsubsidized loans, the borrower is responsible for the interest during the period of enrollment. Eligible students may borrow up to \$5,500 during their freshman year, \$6,500 during their sophomore year and \$7,500 during the remaining years of undergraduate study. Independent students may borrow \$9,500 in their freshman year, \$10,500 in their second year, and \$12,500 for remaining years.

The Department of Education also limits the total amount of Federal Direct Student Loans that can be borrowed. The maximum amount of combined loans a student may borrow is as follows:

- \$31,000 as a dependent undergraduate student, only \$23,000 of which may be subsidized
- \$57,500 as an independent undergraduate student, only \$23,000 of which may be subsidized

Class status is determined by the **number of credits completed toward a degree**, not by the number of semesters attended. Before a loan can be processed, including the PLUS loan, applicants must have a Free Application for Federal Student Aid (FAFSA) on file.

Federal Direct Parent PLUS Loan Program

Federal Direct Parent PLUS loans are made to the parents of dependent students. Parents, with the absence of an adverse credit rating, may borrow up to the cost of education less any financial aid received by the student. A FAFSA must be completed and received in the Office of Financial Aid before a PLUS loan can be certified. Parent PLUS loan applications must be submitted electronically at studentloans.gov. Parent PLUS loans will not be offered to those who do not apply, as a credit check must be performed (with the consent of the borrower) prior to an award offer.

Satisfactory Academic Progress

Students receiving financial aid must remain in good academic standing and must be making satisfactory academic progress toward the completion of their degree. For an explanation of what constitutes “good academic standing” and “satisfactory academic progress,” please refer to the CNU Financial Aid Guide at: <http://cnu.edu/financialaid/conditions/sappolicy/> or visit the Office of Financial Aid.

Estimated Cost of Attendance

Budget planning for attendance at Christopher Newport University should consider both direct and indirect costs. Direct charges are tuition and fees. For such information, see the *Tuition and Fees* section of the catalog. Indirect costs are the normal expenses for living to include books, housing, board, transportation and miscellaneous expenses.

Study Abroad/Study Away

Students who are in a degree seeking program at CNU and whose classes taken elsewhere fit into their degree program may be eligible to use their financial aid to help pay for the program. Students must contact the Office of Financial Aid at least one semester in advance of their study abroad and provide documentation of eligibility. At least half time status in an approved study abroad program is required for all federal and state programs. Funding is available for less than half time through alternative private loans.

Return of Title IV Funds

If a student withdraws from CNU for any reason before 60 percent of the semester has been completed, CNU is required to return funds to any federal and/or state programs the student has received. The student may owe the University for charges left unpaid. This applies to both official and unofficial withdrawals.

Additional Information

Students interested in receiving financial aid are strongly encouraged to review the financial aid process on our CNU Financial Aid home page at <http://cnu.edu/financialaid/>. Additional questions or information requests should be directed to the staff of the Office of Financial Aid by email at finaid@cnu.edu or by calling the office at (757) 594-7170.

OFFICE OF RESIDENCE LIFE

David Student Union 3125

(757) 594-7527

Fax: (757) 594-7501

reslife@cnu.edu

UNIVERSITY HOUSING

Christopher Newport Hall 300

(757) 594-7756

Fax (757) 594-7519

housingadmin@cnu.edu

Living on Campus

CNU offers residential living accommodations with amenities that simply are not found at comparable public universities. With a three year residency requirement, our residence halls provide a progressive living experience. Most first year students are assigned in double or triple bedrooms within their learning community. The majority of second year students reside in suite style rooms with shared bath and living room space. Many third and fourth year residents enjoy private rooms within two to four person apartments. All halls have extended basic cable service; WiFi Internet access; individually controlled air conditioning; wall-to-wall carpeting; micro fridge units; laundry facilities; and vending machines.

Within the halls, there are resident assistants assigned to specific groups of rooms. These trained student leaders handle the day-to-day concerns of residential students. They set the tone for the social environment of the residence halls and the community of honor that guides our campus. The University employs full-time professional staff to serve as hall directors or area coordinators within the residence hall system. These staff help to implement our residential curriculum which has five stated goals for residents: gain understanding of self and others; build positive relationships with others; make connections at the university and within the community; take responsibility for actions and their effect; move towards independence.

Security is one of the primary concerns for our resident assistants and professional staff in the hall; it is considered a shared responsibility with the residents. Exterior points of entry are monitored, and electronic locks are featured on interior doors and entry ways. On the main campus, an information desk in the lobby of each residence hall is staffed 24 hours a day. Residents must register non-CNU community members as guests at all times. University police work closely with Residence Life staff and residents to create a safe living environment; services include on-call emergency access to professional staff and counselors as well as community programming. Other safety measures include fire and smoke monitoring systems, fire suppression systems, and the Alertus emergency notification system in all residence halls.

Freshmen, Sophomore and Junior Residency Requirement

Effective with the Fall 2010 freshman class, first, second and third year students are required to live on campus unless they live with a parent or legal guardian in one of the following exempted areas: Newport News, Hampton, Poquoson, Yorktown, Seaford, Grafton, or Tabb. The residential experience is designed for students who are 17 to 22 years of age. Students who are younger or older than the previously stated ages will receive consideration on a case by case basis.

Santoro Hall

A first year residence hall housing approximately 430 students, Santoro Hall is arranged in two or three person rooms – four to five students share two bedrooms and one bathroom. Approximately 35 students reside in separate floor “wings,” with three wings comprising one floor.

York River Hall

Opened in the fall of 2002, York River Hall houses approximately 538 first year students. This residence hall consists of two separate buildings; York River East and York River West. York River Hall is similar to Santoro Hall in that it has suites of four students sharing two bedrooms and one bathroom.

Potomac River Hall

Housing approximately 482 first and second year students, Potomac River Hall opened the fall of 2004. Similar to York River Hall, Potomac River Hall consists of two separate buildings; Potomac River North and Potomac River South. It has four to five person suites sharing two bedrooms, one bathroom and a common living area.

James River Hall

This unique facility houses approximately 439 students in a variety of housing configurations: theme units, apartments and suites. All of the living arrangements feature a common living area and the theme units and apartments are equipped with kitchens. Single rooms are also available in the theme units and apartments. Although designed primarily for second year resident suites, third and fourth year resident apartments may also be assigned in this hall.

Warwick River Hall

Warwick River Hall opened in August 2012. The hall accommodates approximately 457 primarily second year residents in four, five and six person suites. Residents share two community kitchens located in the atrium area on each floor.

CNU Apartments

The CNU Apartments offer upper-class students the opportunity to experience the independence and convenience of apartment living along with all the advantages of campus life. Five separate buildings Washington, Jefferson, Madison, Monroe, and Harrison make up this apartment complex. The apartments are upscale two, three and four bedroom units offering each student their own private bedroom and bath. Each unit offers a fully equipped kitchen, a furnished living and dining room and a washer and dryer.

CNU Village

Opened in fall of 2005, the CNU Village is comprised of upscale two, three, and four bedroom units offering each student their own private bedroom and bath. Each unit offers an equipped kitchen, a fully furnished living and dining room and a washer and dryer. These units require a 10-month lease. The complex is composed of three buildings Tyler, Taylor and Wilson surrounding a centrally located parking garage. The parking garage offers each resident their own parking space. Located on the first floor of Wilson Hall are retail shops, which cater to CNU students and the surrounding community.

Greek Village

Opened in Fall 2016, Greek Village provides an opportunity for four of our fraternities and sororities to reside in traditional houses designed specifically for small group living. Reserved for third and fourth year residents only, the houses accommodate approximately 25 students each in single or double occupancy bedrooms. Each house has a large living and dining area, kitchen, laundry, and outdoor space.

CNU Crossing

CNU Crossing has become the home for some of our sororities and fraternities. It offers residents the option of a two-bedroom unit that accommodates three students within one single room and a double room. Students share a bathroom, living room, and kitchen. One apartment in each block of four apartments has been designated as a chapter room where the organization can display its awards, trophies and composites.

CNU Landing

This apartment complex offers additional Greek housing for students in these designated groups. Two, three and four bedroom apartments are available in 28 units located behind CNU Village. Each apartment offers a full kitchen, living room, private bedrooms and private bathrooms.

Rappahannock River Hall

Opened in fall 2013, Rappahannock River Hall is comprised of upscale two, three and four bedroom units offering most students their own private bedroom and bath. Each unit offers an equipped kitchen, a fully furnished living and dining room and a washer and dryer. The complex has an attached parking garage for students who reside there.

Dining Choices

Dining Services offers several meal plans to meet the variety of needs of the campus community. First-year residential students can choose either the 14 or 19 meal plan. Our first year residential students are required to participate in one of these two meal plans. Upper-class students living in units without kitchens may choose between 19, 14 or 10 meal plans. For the convenience of upper-class residents with kitchens and off-campus students we offer a 5 meal plan to assist in meeting their dining needs.

Residential students participating in the meal plan program may choose to eat in Hiden Hussey Commons or Regattas in the David Student Union.

The Commons is located near Santoro Hall offering casual, comfortable dining in a food court setting. The Commons serves breakfast, lunch and dinner Monday through Friday, and brunch and dinner on Saturday and Sunday. The Commons offers an expansive selection of entrees served buffet style with specialty self-service venues.

Regattas, in the David Student Union, is an operation featuring a huge selection of menu choices. We serve lunch and dinner Monday through Friday and brunch and dinner on Saturday and Sunday. Selections include: the grill making fresh hamburgers, make your own waffles with fresh fruit, breakfast all day, hot entrees and vegetables, extensive salad bars, three fresh made soups, pizza from our stone oven, pasta served to order and Mongolian Grill. Finish the meal with a selection of fresh fruits, desserts or hand dipped ice cream with all the toppings.

The Commons and Regattas offer an All You Care To Eat fare and daily vegetarian entrees and vegan selections. The David Student Union also houses several cash operations, Chick-fil-A, Sweet Street and The Bistro all serving their own signature menus.

Financial Information

All rates referenced below are for the 2018-2019 academic year. The Housing & Dining Service rates are determined annually and approved by the Board of Visitors, which are established and announced in the spring for the following academic year.

Room fees for double occupancy: \$3527.00 per semester; single occupancy is \$4002.00 per semester; triple occupancy is \$2977.00.

Room fees for CNU Apartments Harrison, Monroe, and Washington: \$4902.00 per semester for a 12-month lease.

Room fees for CNU Landing, CNU Village and CNU Apartments Jefferson and Madison: \$4181.00 per semester for a 10-month lease.

Board fees for 19-, 14-, & 10-meal plan: \$2203.00 per semester; 5-meal plan: \$1148.00 per semester (Only residents with kitchenettes or commuter students are eligible for this plan).

To apply, complete the *Housing and Dining Services Contract Acceptance Form* available at the Housing website: housing.cnu.edu. Occupancy is on a first-come, first-served basis for incoming freshman classes. A ten-month TuitionPay payment plan is available. For details contact TuitionPay at (800) 635-0120.

Deadlines

Room and Board fees must be paid in full prior to check in. These fees are due by 3:30 p.m. on the Payment Due Date (postmark does not apply) designated for each semester unless other arrangements have been made (i.e., financial aid award, deferred payment plan, etc.) If applicable, students are asked to check with the Financial Aid Office to ensure all paperwork is in order and that they are eligible to receive aid.

Contract Cancellation

1. Students who cancel their contract after occupancy but who remain enrolled at the University will remain liable for all room and board fees for the term of the contract.
2. Students who fail to meet obligations under the terms of the contract may qualify for a partial refund.
3. New students who cancel their contract prior to June 30 will receive \$100 refund on their Housing Deposit. For further information, please reference the University Housing Contract.

DEPARTMENT OF ATHLETICS

Kyle McMullin, Director

Freeman Center 217

(757) 594-7025

kyle.mcmullin@cnu.edu

Intercollegiate Athletics

The University's athletics program was founded in the early 1960s but has become nationally renowned over the last two decades. The women's track and field team won six consecutive NCAA Division III National Championships in the late 1980s and now has a total of twelve. Since 1980, Christopher Newport University has produced over 625 Division III All Americans, more than 70 individual national champions and 12 NCAA team championships. These recipients have participated in football, men's and women's basketball, men's and women's soccer, softball, men's tennis, golf, baseball, cross country, volleyball, field hockey and track and field.

The men's and women's basketball teams have appeared in NCAA championship tournaments numerous times, as have the golf, men's and women's soccer, baseball, volleyball, football, field hockey, women's lacrosse and softball teams. In 2014, the CNU cheerleading squad also captured the program's first Cheer Ltd Open College National Championship. They would go on to capture the second national title in 2017. Men's basketball player Lamont Strothers became the seventh Division III player ever to appear in an NBA game when he played for the Portland Trail Blazers. CNU's first four-time All-American outside of track and field, women's basketball player Chelsie Schweers, concluded her career as the second all-time leading scorer and most prolific three-point shooter in NCAA Division III history. Sheila Trice, a 31-time All-American, is the most decorated female athlete in track & field history and would go on to be inducted into the sport's national Hall of Fame.

In addition to participating in NCAA championships, the University has hosted 18 NCAA Regional basketball games, the 2012 NCAA Baseball Regional Championship, the 2010, 2012 and 2015 NCAA Softball Regional Championship, three straight NCAA Volleyball Regionals from 2010-12 and again in 2014, six NCAA South Regional Cross Country Championship meets, as well as the 1983 and 1991 National Championship meets. In the fall of 2010, CNU played host to the NCAA Division III Field Hockey Championships. Additionally, CNU has hosted three NCAA playoff games in football, seventeen in men's soccer, eight in women's soccer, six in field hockey and three in women's lacrosse. In the fall of 2014, the University also played host to the NCAA Division III Women's Volleyball National Championship at the Freeman Center, allowing the Captains' volleyball team to compete for the championship on their home floor for the first time.

The University competes in 22 varsity sports plus cheerleading and the CNU Storm Dance Team. Those offered for men include: baseball, basketball, cross country, football, golf, indoor track and field, lacrosse, outdoor track and field, sailing, soccer, and tennis. Women compete in: basketball, cross country, golf, indoor track and field, outdoor track and field, sailing, soccer, softball, tennis, volleyball, field hockey and lacrosse. Since 2011, the CNU Storm Dance Team is also under the direction of the Athletics Department.

Christopher Newport University is a member of the Capital Athletic Conference which also includes: Frostburg State University, University of Mary Washington, Penn State Harrisburg, Salisbury University, Southern Virginia University, St. Mary's College of Maryland, and York College of Pennsylvania.

Christopher Newport was a member of the USA South Athletic Conference from 1972-2012, and through 2014 as an affiliate member of the league for football. Starting in the 2015 season, CNU football became an affiliate member of the New Jersey Athletic Conference, one of the top Division III football conferences in the nation.

As a measure of the overall strength of CNU's athletics program, the University won the USA South/Dixie Conference President's Cup, symbolic of the top overall athletics program, for the last 16 years and 22 of 28 years to end its tenure in the league. Now a member of the Capital, CNU captured its first Richard C. Cook All-Sports Award in 2014, compiling 183.5 points to win the overall all-sports crown. In 2016-17, the Captains captured our third All-Sports Trophy in just our fourth year in the Capital Athletic Conference, while sweeping all three awards (All-Sports, Mens, and Women's), for the first time.

Mission Statement

As part of the University experience, the Department of Athletics contributes to learning, fosters the development of community and emphasizes student persistence. The department promotes the development of student leadership, teamwork, health and well-being. Moreover, the department directly supports student recruitment and builds positive recognition of CNU. To accomplish its mission, the department offers a program of 22 varsity intercollegiate sports and a variety of intramural activities and recreational sports.

The Office of Recreational Services

The Office of Recreational Services (CNURec) was founded in the fall of 2005 and is comprised of the program areas of Intramural Sports, Sports Clubs and Outdoor Adventure & Recreation (OAR). Intramural Sports and Sport Clubs have grown tremendously over the years with over 1500 participants engaging in various activities on campus. OAR offers various outdoor recreational activities and adventure trips, and has gained great interest from the student body.

Some of the intramural sports offered include: badminton, basketball, dodge ball, flag football, kickball, soccer, softball and volleyball. In addition, CNURec provides special tournaments, such as 3v3 basketball, sand volleyball, table tennis and cornhole.

The Intramural program employs over 40 students each year as officials and supervisors. Through employment, students learn transferable skills that prepare them for future challenges. These positions of leadership also enhance the student's social experience on campus and solidify CNU at the forefront of student development in the field of collegiate athletics and recreation.

The Sport Club program on campus is home to over 30 clubs. These clubs can be either competitive or recreational in nature and are a great way to continue a sport you love or try out something new. The more competitive clubs will hold tryouts and practices in preparation of competing against other colleges and universities in the area. Some even move on to compete in regional and national tournaments. The more recreational clubs exist to allow students the opportunity to learn a sport or continue to develop skills they already possess. For more information about the specific clubs on campus, you can view their Compass pages via cnu.edu.

OAR provides adventure trips for students, faculty and staff as well as special events and workshops to enhance the CNU community's outdoor experiences. Through fun, physical, and mental challenges, OAR provides leadership and learning opportunities and furthers the interest and passion of outdoor recreation and environmental awareness.

Philosophy

Each of the program areas strives to fulfill the campus recreation needs of current CNU students, faculty and staff. Through engagement in the various activities and events sponsored by the Office of Recreational Services, it is hoped that participants will learn and begin to practice life-long health habits. In addition, through engagement in these activities, the Office of Recreational Services provides an opportunity for leadership and learning; opportunities to develop social contacts and lasting relationships; and opportunities for individual development through various recreational activities.

Participation in Intramural Sports

Participation in intramural sports is open to currently enrolled CNU students as well as faculty, and staff employed by the University (full-time and/or part-time only; volunteers not accepted). CNU alumni and spouses of CNU students, faculty or staff are not allowed to participate in intramural sports.

Participation in Sport Clubs

Sport clubs are open to all activity fee paying students. Faculty and staff may participate in a sport club during practices but not during competition. Previous experience is not a prerequisite for membership. Sport clubs may be competitive in nature or may be administered for their socio-recreational elements. Clubs must accommodate any interested parties and work to maintain a balance among the more proficient participant and the novice. Unlike varsity sports, sport clubs are run by students for students.

STUDENT AFFAIRS

Dr. Kevin M. Hughes, Vice President of Student Affairs
David Student Union, 3rd Floor
(757) 594 -7160
dosa@cnu.edu

Student Affairs represents a comprehensive and complementary educational experience led by the Vice President of Student Affairs. Professional staff members work in Orientation and Student Engagement; the President's Leadership Program; Diversity Initiatives; the Office of Residence Life; the James C. Windsor Center for Health and Counseling Services; the Office of Student Activities, which includes Greek Life; the Center for Honor Enrichment and Community Standards (CHECS); and University Police. Student Affairs is also a starting point for students with qualified disabilities. These areas work collaboratively to support the academic mission of the University, facilitate students' success and engagement, provide enrichment, and foster the opportunity to interact socially in several hundred activities offered annually.

Orientation activities help new students successfully transition to college life. The Setting Sail, Changing Tides and Welcome Week programs are required of all new students, providing guidance and insight into life as a CNU Captain.

Closely connected to the Orientation program are our efforts at engaging students. Student Engagement provides meaningful and developmental opportunities that supplement what students learn in the classroom, engage them in leadership outside the classroom, and empower them to serve the community. University Fellows work directly with students seeking additional support or opportunities to become active and engaged members of Christopher Newport University.

The President's Leadership Program (PLP) is a four year leadership education experience that empowers students to recognize their leadership potential and develop personal responsibility for the betterment of self and society. PLP uses a developmental framework to structure out of class experiences through distinct yet interdependent areas of focus. The framework serves as an integrated approach that engages students in the development of personal and social responsibility.

Diversity Initiatives are designed to support students from diverse backgrounds by promoting an environment that fosters cultural understanding and an inclusive campus community. This support includes educational, cultural and social opportunities for diverse interactions and cultural education that enhances student awareness, understanding, and appreciation for diversity.

The Office of Residence Life (ORL) cultivates a campus living environment which supports residents as they transition towards independence. Our progressive housing model systematically moves students from halls with a focus

on interpersonal skills and community development through halls with a focus on personal ownership and community contribution.

The James C. Windsor Center for Health and Counseling Services facilitates students' personal exploration to assist them in being successful in their endeavors at CNU. Students can access basic medical support through the Health & Wellness Clinic, where services range from healthy living assessments to prescribing medication. Student focused group and individual short term counseling is available to any student in need of assistance through the Office of Counseling Services.

The Office of Student Activities (OSA) sponsors a variety of social and educational events tailored to the needs and desires of CNU students. These programs, many of which are jointly operated with one of the over 200 clubs and organizations on campus, have included major concerts, dynamic leadership speakers, popular comedians, and annual festivals and activities.

Greek Life works closely with the social fraternities and sororities as well as the historically African-American Greek-letter organizations to provide a meaningful educational, service and social experience for students. Approximately 30 percent of CNU students join one of the eight fraternities, seven sororities or five historically African American Greek-letter organizations.

The Center for Honor Enrichment and Community Standards facilitates the integration of honorable living into the campus community and the lives of our community members. CHECS upholds the community standards of the university by working closely with the students responsible for administering the student-led Honor Council. The Center accomplishes these tasks through educational programming and the adjudication of violations to the Honor Code and Student Code of Conduct. Of primary importance is the Honors Convocation, which formally welcomes new students to CNU through the signing of the Honor Code.

Safety and security are an important element of the Christopher Newport experience. Through a community policing model which includes 20 sworn officers as well as security and communication staff, University Police provides a safe environment in which students can focus on the rich academic and co-curricular experiences available to them.

Students with disabilities may seek support and services through Student Affairs. Through accommodations received from the university, students with disabilities are provided the opportunity to access educational programs and services in support of their learning efforts.

ACADEMIC ADVISING
Dr. Linda Waldron
Faculty Director of Academic Success
(757) 594- 8722
lwaldron@cnu.edu

Advising students is a critical responsibility of CNU faculty and staff and is highly valued by the academy. Advisors work with students in their transition from high school to college, throughout their college career, and as they plan post-graduate lives.

Faculty and students work closely together in the advising process, and share the common goal of fostering student success within our university environment.

Responsibilities of Academic Advisors

Academic advising is critical to a liberal arts education at CNU. The academic advising system must:

1. Encourage students to take responsibility for their own education planning.
2. Recognize the unique nature and interests of each student.
3. Provide timely, accurate advising that serves all constituents.
4. Offer resources for students, including what they need to meet major and graduation requirements and advice regarding internships, service learning, study abroad, and research that will enhance their liberal arts education.
5. Foster professional relationships among students and faculty beyond the classroom.
6. Help students explore and serve within and beyond the University through study abroad, civic engagement, postgraduate education, and career planning.

Responsibilities of Students

Students at CNU shall recognize the advising process as an essential aspect of their liberal arts education. During the advising process students must:

1. Take responsibility for their own educational planning by actively engaging in the advising process.
2. Maintain an open line of communication with their advisor.
3. Be knowledgeable about Christopher Newport University's academic policies, procedures, and requirements.
4. Arrive at each advising appointment promptly and prepared with questions and thoughts about what is to be discussed during the appointment.
5. Recognize that advisors provide guidance and support throughout the advising process, however, the final decisions ultimately belong to the student.

6. Engage in the contemplation and clarification of honor, personal values, and goals; this includes reflecting on what they aspire to accomplish with their liberal arts education within and beyond the University.

Faculty Core Advisor

First-year freshmen at Christopher Newport University work with a Faculty Core Advisor (FCA) who will remain the student's advisor for the first two years (while the student pursues the University Core Requirements and major prerequisites) even if the student changes his/her area of academic interest. This means that all students will have a stable faculty advisor to support them during the first two years of study. FCAs will assist students in their transition from high school to college, facilitate and encourage students' intellectual exploration, assist students in curricular decisions, and encourage students to become active members of the University community.

Major Advisor

In the second semester of their sophomore year, students will declare their major at Sophomore Signing Day, and at that time, a major advisor from the department will be assigned to the student. Major advisors engage students in the selection of courses, long range academic planning, potential graduate study and career opportunities, research experiences, summer institutes and study abroad possibilities. Major advisors assist students in achieving successful completion of their CNU experience and transitioning into their post-graduate endeavors, including graduate school and/or career opportunities.

Pre-Law or Pre-Health Advising

Like most colleges and universities, CNU does not offer a pre-law or pre-med major, but specialized advising is in place that can help students plan their curricular and co-curricular experiences in preparation for a competitive application to law school, medical school or other health professional programs. Please consult the following websites for additional information:

- Pre-Law at prelaw.cnu.edu
- Pre-Health at prehealth.cnu.edu

CENTER FOR ACADEMIC SUCCESS AND THE ALICE F. RANDALL WRITING CENTER

Christopher Newport Hall 124
(757) 594-7684
academicsuccess@cnu.edu

Jeannine Leger – Academic Success Services Director

Dr. Nicole Emmelhainz – Writing Center Director

The Center for Academic Success (CAS) and the Alice F. Randall Writing Center support students academically. Staff members provide direct academic assistance as well as guidance and referrals to other campus resources. CAS develops and facilitates services that support the academic success of CNU students. Tutoring Services and Student Success reside in the CAS. Using a holistic approach to foster independent learning, the CAS seeks to help students identify obstacles or challenges to academic success, develop strategies to overcome them, and provide support systems and resources for students to become academically successful.

The Center for Academic Success offers a variety of services to all CNU students. **Academic Coaching** provides personalized, one-on-one meetings with a trained academic coach to help students improve study skills for time management, goal setting, and test preparation. **Subject Area Tutoring** with peer tutors helps students who are having trouble with a specific class, need help mastering a concept, or just want to review course material. The CAS provides **workshops and study skills assistance**, including the Start Smart and Finish Strong workshop series, which focuses on timely topics to support CNU students in their studies throughout the semester. The **Captains Care Referral Program** provides early identification and intervention to students who may be struggling. **Academic Recovery Plans** help students on academic probation. These students will meet with a member of the success staff to formulate an academic recovery plan of action that addresses their specific challenges and needs. Finally, **Captains LAUNCH** is a transition program offered to incoming students as an enhanced support system during the first semester of college. To find out more about the academic success services offered, please visit interweb.cnu.edu/studentsuccess/academic/.

The Alice F. Randall Writing Center, staffed by trained peer writing consultants, provides **individual writing tutoring** at any stage of the writing process, from brainstorming to polishing a final draft. **Group sessions** for multiple students in the same class are also offered. **Writing workshops** that focus on concerns such as style, organization, and grammar run several times throughout the year.

The University Writing Program empowers CNU students to continue improving their writing. Through training, resources, and events, the program helps students develop and refine their ideas and use language to articulate and construct their thoughts.

The program, consisting of ENGL 123 First-Year Writing Seminar; ENGL 223 Second-Year Writing Seminar; and writing intensive courses in the disciplines, helps students learn vital processes and strategies necessary to craft sophisticated written products for defined audiences, communicate subject-specific concepts and discourse to articulate a clear purpose, and transfer knowledge gained from classes in the liberal learning core to those in the major.

FELLOWSHIPS AND PRESTIGIOUS SCHOLARSHIPS

Dr. Eric Duskin
McMurrin Hall 329
(757) 594-7121
eduskin@cnu.edu

The Coordinator of Fellowships helps students to identify and apply for prestigious scholarships and fellowships for research and study opportunities. Prestigious scholarships or fellowships are highly competitive monetary awards granted to limited numbers of highly qualified candidates. These types of awards are based on a variety of criteria, such as overall academic achievement, outstanding achievement in the academic major, participation in community service, leadership initiatives, demonstrated financial need or a combination of these and other criteria specific to each award. In general, candidates applying for prestigious scholarships or fellowships should be students who excel academically and who demonstrate leadership and commitment to the CNU community and the community at large. Students of all majors should consider prestigious scholarships or fellowships, which may be discipline-specific or wide-ranging in scope. For additional information about prestigious scholarships, please contact the Coordinator of Fellowships.

JAMES C. WINDSOR CENTER FOR HEALTH AND COUNSELING SERVICES

Dr. Bill Ritchey
Executive Director of Health and Counseling Services
Freeman Center H230
(757) 594-7047

**UNIVERSITY HEALTH AND WELLNESS
 SERVICES**
Freeman Center, H155
(757) 594-7661
uhws@cnu.edu

University Health and Wellness Services (UHWS) is a health-care partnership between CNU and the Riverside Health System. UHWS, through a contractual arrangement with Riverside, offers many services to support healthy living as well as helping students learn to take responsibility for their own wellness. Its main objective supports the CNU liberal learning mission through teaching a diverse student population how to assess their own health status, access medical resources, know their rights and responsibilities as patients, and become informed medical consumers. Professional support services are available to assist all graduate and undergraduate students when they become sick or injured.

Free Clinic Services:

First aid
 Blood pressure monitoring
 Assistance in finding local physicians, dentists, psychologists, psychiatrists and other medical resources can be found on the UHWS Website: studentclinic.cnu.edu.

Clinic Services Requiring a Fee:

All physicals and visits with the Nurse Practitioner (by appointment only)
 Lab Tests
 Immunizations and injections
 Tuberculosis Screens and TB testing
 Flu shots
 Stitch and staple removal
 Allergy Injections
 Wound Care

Free Health and Wellness Education Opportunities:

Educational materials and resources
 Nutrition and fitness counseling
 CNU Quit – a smoking cessation program
 Quit Kits – for people who want to stop their tobacco use
 Health screenings
 Campus outreach programs on various health and wellness topics

THE OFFICE OF COUNSELING SERVICES
Freeman Center H230
(757) 594-7047

The Office of Counseling Services provides a wide range of free professional services to help students succeed at the University by creating a safe, confidential and supportive environment in which personal development can occur. Counseling services assist students with self-knowledge, facing challenges, confronting short-term personal issues, and through crisis intervention. All of our services contribute to helping students learn new skills, enhance personal success, set and achieve goals and get the very best out of life. Additionally, the office supports CNU faculty, staff, clubs and organizations, parents, and the community through consulting and educational outreach services.

Students are referred to resources outside the University when long-term counseling or other professional support is needed. Students are ultimately responsible for their decisions and actions and must assume responsibility for their personal choices. Using Counseling Services wisely will assist student's adjustment to the University and can help develop skills they will need to meet the various challenges a student may encounter. Listed below are many of the services offered through the Office of Counseling Services.

Counseling Services:

Individual Counseling
 Crisis Intervention
 Relationship Counseling
 Support Groups
 Group Seminars and Workshops
 Referral Services

Consulting Services:

Participation in the Captain's Care System
 Myers-Briggs Type Indicator Presentations
 Faculty/Staff Training

Educational Outreach:

Classroom presentations
 Residence Life presentations
 Programming for clubs and organizations
 Awareness Weeks
 Community talks and workshops

INFORMATION TECHNOLOGY SERVICES

Customer Service Desk
Tribble Library 24/7 Room
(757) 594-7079
ITServices@cnu.edu
<http://its.cnu.edu>

Christopher Newport University has made a commitment to provide robust technology infrastructure, which enhances the teaching and learning environment.

Network Services

The University provides high-speed wired and wireless Internet access in each residence hall student room. The campus also has wireless Internet throughout campus academic and administrative buildings.

Online Services

The University intranet provides access to G Suite for Education, CNU Live course registration, and the CNU Scholar learning management system. Scholar allows you to interact with your instructors, submit assignments, take tests and quizzes, and view grade calculations.

Support Services

Information Technology Services supports students and faculty by providing recommendations for computer purchases, support for CNU applications, and assistance with connecting to the CNU network. The University also allows students to access the latest version of Microsoft Office on up to five computers as long as they remain students at CNU.

Labs and Printing

Computer labs include the Tribble Library, McMurrin Hall, Forbes Hall, and Luter Hall. Labs run Microsoft Windows and provide a variety of application software including department-specific software and Microsoft Office. Printing is available via the PrintAnywhere service and printers are located in the Tribble Library, Luter Hall, McMurrin Hall, Forbes Hall, the Freeman Center, the David Student Union, and Ratcliffe Hall. See the Captains' Card Office for specific information on student printing.

DISABILITY SUPPORT SERVICES

Student Affairs
David Student Union 3127
(757) 594-7160 Fax: (757) 594-8439
dosa@cnu.edu

Students with disabilities may consult with Student Affairs before or during their active enrollment at CNU. New students, especially those who received accommodations in high school or other post-secondary institutions, will want to contact the office well before beginning their first semester at CNU if services are required. Students who request accommodations by the University must formally declare their disability by completing a form obtained from Student Affairs and providing appropriate supporting documentation. Consultation with the staff is always available and encouraged as an interactive process in determining accommodations and helps to identify the specific needs of individual students.

There are core elements to the liberal arts experience that are essential to a Christopher Newport University education. To graduate from Christopher Newport University, all students are expected to demonstrate proficiency in logical reasoning through abstract thinking, written communication literacy, second language literacy, mathematical literacy, and economical modeling and analysis. As essential elements of the University curriculum these requirements cannot be waived. However, students whose disabilities present challenges in these areas will be reasonably accommodated in their efforts at meeting these requirements. Questions about accommodations in these areas, as well as any essential elements required by a faculty member for a particular class, may be directed to Student Affairs for assistance.

In order to determine needs and provide the best services possible, students must submit recent documentation concerning their disability. The documentation must normally be no more than three years old, but this can vary depending on the circumstances of each case. Such documentation must be provided in writing from a qualified professional source. It should include the test (instruments) used with scores, subset scores and suggestions for possible accommodations as they relate to the diagnosed disability to enhance student access to the programs and activities of the University. Documentation should be submitted to the Office of Student Affairs.

Evaluation information concerning a student's disability is private. Such information will be provided to instructional faculty or staff members only when they have a legitimate "need to know" or at the request of the student.

CENTER FOR CAREER PLANNING

Libby Westley, Director
Christopher Newport Hall 305
(757) 594-8887
ccp@cnu.edu

Christopher Newport University (CNU) recognizes career planning as a critical component in the education of its students. CNU provides opportunities and support to engage students in exploring, discovering, evaluating and choosing academic programs and careers. Committed to the ideals of scholarship, leadership and service within a liberal learning environment, CNU understands the importance of preparing its students to become leaders and active participants in a global setting. The Center for Career Planning (CCP) supports students' transition to CNU in the clarification of academic focus and in the successful translation of credentials as preparation for graduate school and/or their career paths. From Setting Sail through Commencement and beyond, CCP career coaches encourage students to participate in programs and activities that assist them in making educated career decisions, developing career-related skills, and pursuing graduate study and/or professional employment. The Center also facilitates collaboration among students, alumni, employers, faculty, graduate school recruiters, and the community in developing a diverse global network, which supports attainment of students' career goals.

Career Development Topics:

Academic Major Choice
 Career Exploration
 Interest and Personality Type Assessment
 Internship and Job Search
 Graduate School Planning
 Interview Preparation
 Resume and Cover Letter Writing
 Networking

Developing a Diverse Global Network:

CNU Career Connect, Online Recruitment Database
 Employer Site Visits
 Alumni Networking Opportunities
 Employer & Graduate School Information Sessions and Tables
 Career and Industry Panels
 LinkedIn Training
 Web-based Job Search Resources
 Career Center Library
 Career, Internship, and Graduate School Fairs
 On-Campus Interviews

Assistance for CNU Alumni:

Career related appointments on campus or by phone
 Access to CNU Career Connect

STUDY ABROAD

Amanda Pierce, Director
David Student Union 180
(757) 594-8851
studyabroad@cnu.edu

All academically qualified CNU students are encouraged to participate in study abroad, and may do so for a full academic year, a semester, or during the extended summer session. Participation in any study abroad endeavor must be approved by university officials. Students may study for a semester or for a full year through CNU programs, partnerships or affiliations; through direct application to a university overseas; or through other approved sponsoring universities or organizations. Coursework earned through non-CNU program providers must be approved prior to the study abroad term. CNU faculty lead a number of outstanding short term programs during summer session. Students are eligible to participate in these programs if they:

- demonstrate good academic and social standing at the University;
- are 18 years or older by the first day of the intended semester or summer abroad;
- enroll in and complete the associated course.

Financial Aid may be available to students who participate in a study abroad semester or academic year. The Office of Financial Aid will guide students in processing aid, but early planning is a must. The student should schedule an appointment with the Office of Financial Aid as early as possible in the study abroad planning process.

CENTER FOR COMMUNITY ENGAGEMENT

Brad Brewer, Director
David Student Union 182
(757) 594-7492
engage@cnu.edu

The Center for Community Engagement (CNU Engage) connects students with off-campus partnerships and experiences that lead to at least three primary learning outcomes: love of learning as it relates to personal and community development; active and responsible civic leadership; and, professional skills and experience. All students are encouraged to enroll in the Service Distinction Program, the completion of which is a recognized graduation honor. Those interested in the scholarship of civic and community engagement should consider the Service Distinction Leader Program and the Minor in Civic and Community Engagement.

Service Distinction students follow a four-year developmental pathway, where they first explore the history, culture, and context of the local community, along with the ten Service Tracks organized through CNU Engage. Service Track examples include Youth Development, Arts and Culture, and Hunger and Housing. Second year students are encouraged to become regular volunteers or interns at a primary service site, one of the Center's vetted community partners. Third and fourth year students often pair their continued service work with community-based undergraduate research, international service, or senior-level capstone projects that benefit their service site.

The following are the Service Distinction Requirements for Graduation:

- At least 140 service hours prior to graduation;
- At least 100 of those hours served (1) in one service track, (2) in Hampton Roads, and (3) during the academic semester.

Service Distinction Leader

- At least 400 service hours prior to graduation;
- At least 250 of those hours served (1) in one service track, (2) in Hampton Roads, and (3) during the academic semester;
- Participation in NN 101 and CNU Engage 101 Training.

OFFICE OF UNDERGRADUATE RESEARCH
AND CREATIVE ACTIVITY

Dr. David A. Salomon, Director
Dr. Michaela Meyer, Academic Director
Tribble Library
(757) 594-8586
ourca@cnu.edu

The Office of Undergraduate Research and Creative Activity (OURCA) at Christopher Newport University facilitates the integration of student learning through research and creative activity beyond the traditional classroom. The Office provides opportunities for undergraduates to expand research literacy skills and engage in projects that put classroom course work and academic theory into practice. The OURCA at CNU views research as a deep learning experience, which motivates understanding of basic concepts through their application to a question or problem to help students to develop a deeper understanding of more complex issues. The OURCA is open to students across Christopher Newport University, regardless of their major or stage of educational development. We advise and prepare undergraduates on how to find research opportunities, how to work with faculty, and how to collaborate with each other in innovative and interdisciplinary ways. Finally, the OURCA supports the presentation of research and creative activity in local (including CNU's annual research conference PAIDEIA), regional, and national conferences, juried shows, performances, competitions, other presentation modalities, and journal publication (including CNU's student research journal, *The Cupola*).

CNU students are eligible for a wide array of funding and support opportunities:

- Research Apprentice Program - supporting beginning researchers
- Summer Scholars Program - collaborative work with faculty
- Research LENS Student Grants - independent work with faculty oversight
- Research LENS Travel Fund - travel to present or conduct research and creative work

PAUL AND ROSEMARY TRIBLE LIBRARY

Mary K. Sellen, University Librarian
(757) 594-7130
library@cnu.edu

The Paul and Rosemary Tribble Library is the intellectual center of Christopher Newport University. The library staff helps students develop research skills relating to their curriculum and builds a collection which supports and enhances the essential elements of the university curriculum and our students' personal development. Students find collections geared to their areas of study, as well as broader collections supporting the intellectual and personal growth so essential to a core of liberal arts studies.

The Tribble Library combines the best of a traditional library with a state-of-the-art technology center to create an interactive learning experience for the 21st century. Library areas offer students a wide variety of environments for study and intellectual activity. Students can choose from group study rooms, two large quiet study rooms, a wireless café, and a 24/7 secured study environment to meet their academic needs. Access to the Internet and the electronic collection is available throughout the building through wireless connections, and books and media are readily available. Eight professional librarians and eleven library assistants provide students and faculty easy access to its resources and services. The Library's web page, library.cnu.edu, connects students to the library's electronic and Internet resources.

Reference

Tribble Library offers professional reference services to provide aid with student information needs. It houses an extensive reference collection of print and online sources. Numerous journals and online databases are available, including ProQuest, EBSCOHost, and JSTOR, which cover areas of science, business, law, economics, the social sciences, and the humanities. Special services are offered through reference, including individualized consultation on term papers and research projects.

Library Instruction

Through its instruction programs, Tribble Library seeks to provide basic orientation in the use of the library and to teach students to deal critically with information. As students increasingly use the Internet to find research information, an ability to analyze information becomes a vital skill in the development of an informed citizen.

Media Services

The Media Center in the library helps students with a multitude of creative endeavors. The latest software and equipment for scanning, printing, and video editing are available, as well as instruction in the use of these resources.

Interlibrary Loan

If materials needed for research are not located in Tribble Library, they may be requested through Interlibrary Loan. The library uses one of the major library networks, OCLC, to process interlibrary loans efficiently. Christopher Newport is located in an area rich in library resources as well. The Tidewater Consortium for Higher Education allows students to access academic library collections from Williamsburg to Virginia Beach. Through these arrangements the library resources of the nation are available to Christopher Newport University students.

Special Collections

The University's archives and special collections house institutional and historical documents back to the 1960's, student and faculty publications, and a Virginia Authors collection of autographed books. Several music collections comprising original and published scores are cataloged and maintained as well.

OFFICE OF THE PROVOST

Dr. David Doughty, Provost

Dr. Robert Colvin, Vice Provost for Undergraduate Education

Dr. Geoffrey Klein, Vice Provost for Graduate Studies and Assessment

Dr. Lisa Duncan Raines, Vice President for Enrollment and Student Success

Christopher Newport Hall 412

(757) 594-7050

Academic Organization

The faculty and academic departments of the University are organized into the College of Arts and Humanities, College of Natural and Behavioral Sciences, and College of Social Sciences and the Joseph W. Luter, III School of Business. The chief academic officer of the University is the Provost. The chief administrative officer of each college and school is its Dean, who reports directly to the Provost. Each academic department within a given college or school is responsible for the content and prerequisite structure of courses offered by the department and specifies the requirements for the department's degree and certification programs. The Chair is the chief administrative officer at the departmental level.

Baccalaureate Degrees Offered

Christopher Newport University is approved to offer a wide variety of baccalaureate degree programs. Primary areas of study within a degree program are known as *majors*. An area of specialization within a major is a *concentration*. A sanctioned secondary field of study completed in addition to the major is called a *minor*. The following degree programs are offered:

Bachelor of Arts

Biology
 Communication Studies
 Economics—mathematical economics concentration optional
 English—literature, or writing concentration optional
 Fine and Performing Arts—fine arts, music or theater major required
 Fine Arts major—art history or studio art concentration required
 Theater major—acting, arts administration, design/technology, directing/dramatic literature, music/dance, or theater studies concentration required
 Music major—creative studies or music studies concentration required
 Foreign Languages and Literatures—classical studies major—classical languages or classical studies concentration required; French, German, or Spanish major required
 History
 Interdisciplinary Studies—American studies, environmental studies, major optional
 Mathematics
 Philosophy—pre-seminary studies or studies in religion concentration optional
 Political Science
 Psychology
 Sociology—anthropology or criminology concentration optional
 Social Work

Bachelor of Music

Choral music education, composition, instrumental music education, or performance concentration required

Bachelor of Science

Biology—cellular, molecular and physiological; environmental; integrative; or organismal major required
 Chemistry—Biochemistry or Chemistry major required
 Computer Engineering
 Computer Foundations—applied physics, computer science or information systems major required
 Electrical Engineering
 Interdisciplinary Studies—neuroscience major optional
 Mathematics—computational and applied mathematics major optional
 Computational and applied mathematics major—Biology and Life Sciences, Computational Chemistry, Economics, or Physics, Dynamics and Engineering concentration required
 Psychology

Bachelor of Science in Business Administration

Accounting, finance, management, or marketing major required

Bachelor of Science in Information Science

Minors

African-American studies, American studies, anthropology, applied physics, art history, Asian studies, biology, business administration, chemistry, childhood studies, civic engagement and social entrepreneurship, classical studies, communication studies, computer science, dance, digital humanities, discrete mathematics, economics, environmental studies, film studies, French, German, Greek studies, history, human rights and conflict resolution, information science, international culture and business, Judeo-Christian studies, Latin, Latin American studies, leadership studies, linguistics, literature, mathematics, medieval and renaissance studies, Middle East and North African studies, military science, museum studies, philosophy and religion, philosophy of law, photography and video art, political science, psychology, sociology, Spanish, studio art, theater, U.S. national security studies, women's and gender studies, writing.

GRADUATE STUDIES

CNU provides three master's level programs for the educational, professional enhancement and enrichment of students in response to the needs of the CNU community:

- **M.S. in Applied Physics and Computer Science**
- **M.S. in Environmental Science**
- **Master of Arts in Teaching**

Bachelor's to Master's Program

Through the Bachelor's to Master's Five-Year Program, eligible CNU students, who apply by February 1st in their junior year and are accepted, can earn a master's degree in one of our graduate disciplines with one additional year beyond the senior year by following a prescribed curriculum and taking graduate level classes in their senior year. At the end of four years of study, a student earns a bachelor's degree, and the student enrolls the next term in graduate courses leading to a master's degree. Please note that the use of the term 'five-year' is not meant to insure the completion of the master's in precisely five years. While in most cases this should be possible, the number of graduate hours completed while an undergraduate, the number of hours required for the master's, and the time necessary for thesis research may require a specific student to take longer than five years.

Master of Science in Applied Physics and Computer Science

The degree is designed to produce graduates ready to make strong contributions to their professions and/or to continue toward a Ph.D. degree in applied physics, computer engineering or computer science. Students may select from **three concentrations: computer science, computer systems engineering and instrumentation, or applied physics**. Many opportunities are available to CNU graduate students because of our location in the heart of high-tech Hampton Roads and our ties with area national labs and newly developing companies. Graduate students will be able to:

- participate in funded research at both the Thomas Jefferson National Accelerator Facility and the NASA Langley Research Center
- conduct research in nuclear physics, astrophysics, robotics, sensor networking, artificial intelligence and multi-agent systems
- solve business and industry problems at the Applied Research Center (ARC), a state-of-the-art research consortium for several universities
- learn in an interdisciplinary and collegial environment
- work in well-equipped laboratories on campus, NASA Langley, Thomas Jefferson National Accelerator Facility and the ARC
- publish their research in papers and conference presentations nationally and internationally

Master of Science in Environmental Science

This degree program is designed to meet the interests and needs of students pursuing careers in environmental assessment, monitoring, and conservation, and students planning to pursue a Ph.D. in these fields. The curriculum is designed to enhance the understanding of ecosystem ecology, the conservation of organisms and their environment, and environmental chemistry. Courses address skills and content mentioned by employers, consultants and educators as those needed for successful employment. Students spend considerable time in the field collecting data and gain experience in analyzing and presenting their findings. Graduates from this program will:

- have a solid background in ecological and environmental conservation theory
- have the skills required for employment with environmental assessment and monitoring businesses, and state and federal governmental agencies
- have research and technical writing skills
- be prepared for further graduate work, for example a Ph.D.

Master of Arts in Teaching (M.A.T)

CNU's Master of Arts in Teaching Program (MAT), is nationally-accredited by the Council for Accreditation for Educator Preparation (CAEP), the sole nationally recognized accrediting body for educator preparation. In addition to meeting the rigorous, nationally recognized standards developed by CAEP to ensure excellence in educator preparation programs, CNU's MAT curriculum is based on recognized needs for teacher education as identified by bodies such as the National Board of Professional Teaching Standards and the Interstate Teacher Assessment and Support Consortium. The mission of the CNU Teacher Preparation Program is to prepare students to become highly qualified teachers, licensed to teach in the Commonwealth of Virginia and in reciprocal states throughout the United States. Students select one of the following endorsement areas: art (visual arts), biology, chemistry, elementary, English, English as a second language, history and social science, mathematics, music (choral or instrumental), physics, or Spanish. Faculty from 12 academic departments and practicing public school educators provide students with a strong background in their selected teaching areas.

Office of Graduate Studies

The Office of Graduate Studies is located in Tribble Library 243 and welcomes undergraduate students interested in the Bachelor's to Masters Five-Year programs. From their web site: cnu.edu/admission/graduate/fiveyear/, students may view the *Graduate Catalog* to see a specific curriculum and course descriptions, apply for admission, contact the graduate program coordinator of their choice and learn more about such topics as research for theses or financial aid. Please contact the Office of Graduate Studies at gradstdy@cnu.edu or (757) 594-8585.

OFFICE OF THE REGISTRAR

Julianna Wait, University Registrar

Mary N. Kanani, Associate Registrar

Bryan Moyer, Assistant Registrar

**Christopher Newport Hall, First Floor
(757) 594-7155 Fax: (757) 594-7711**

register@cnu.edu

The Office of the Registrar interprets, implements, and facilitates the academic regulations and policies of the University and provides the following services:

- Provides analysis of students' progress toward degree requirements and certifies that graduation requirements are satisfied for degree conferral
- Maintains permanent student academic records and issues transcripts
- Coordinates and collaborates with university departments to build, publish, and maintain a schedule of classes
- Coordinates and publishes the final exam schedule
- Facilitates online web-based course registration
- Coordinates and processes course enrollment schedule adjustments, including drops, adds, exceptions, and all types of withdrawals
- Provides online web-based access to faculty entry of grades and student viewing of third-week, mid-term and final grades and degree progress evaluations
- Provides access to and training for online access of student records for faculty advisors
- Provides online access to unofficial academic records
- Facilitates meetings of the Undergraduate Degrees Committee (UDC) and the Academic Status Committee (ASC)
- Provides academic accommodations to students with disabilities
- Certifies student enrollment and academic information to authorized requesting agencies
- Verifies students' certificates of immunization
- Serves as university official regarding the Family Educational Rights and Privacy Act (FERPA) and provides relevant training
- Coordinates and processes documentation required by Veterans Affairs for educational benefits

Students' Web-based Access to Their Unofficial Academic Record:

Christopher Newport University offers students the ability to manage their enrollment, academic information and degree progress through web-based access. When students visit Christopher Newport for new student orientation, they will receive instructions on how to activate their access to web-based functions such as online registration; viewing mid-term and final grades; major, minor, or concentration; unofficial degree progress evaluations; unofficial academic transcripts; holds; and address and telephone information.

Academic Policies and Procedures

Matters of interpretation of these policies are determined by the Provost or the President. These policies and procedures are administered by the Office of the Registrar.

Academic Continuance at the University

The University expects students to make reasonable progress toward earning a degree. The University evaluates academic standing in terms of both academic progress *and* academic performance. Students must demonstrate the incentive and ability to meet the minimum progress and performance standards in order for the University to justify their continued enrollment.

Academic performance is measured by grade point average (GPA). Undergraduate students are expected to maintain a minimum grade point average of at least 2.00 each semester, both overall and in their major field of study. Academic performance is assessed at the end of each regular (fall and spring) semester. Students who do not maintain this minimum grade point average may be subject to enrollment restrictions as governed by the Academic Performance Policies. Note: Students should be reminded that some major fields of study require a higher academic performance standard. Consult the portion of the *Undergraduate Catalog* for your major for more specific information.

ACADEMIC PERFORMANCE POLICIES

MINIMUM STANDARDS FOR ACADEMIC CONTINUANCE

FIRST SEMESTER, FIRST-TIME FRESHMEN

Credit Hours Attempted*	Minimum GPA for Good Standing	Probation GPA Range	Suspension GPA Range
1-18	2.00	1.99-1.0099 Or Less

ALL OTHER STUDENTS AND SEMESTERS

Credit Hours Attempted*	Minimum GPA for Good Standing	Probation GPA Range	Suspension GPA Range
1-30	2.00	1.99-1.61	1.60 Or Less
31-60	2.00	1.99-1.70	1.69 Or Less
61-75	2.00	1.99-1.80	1.79 Or Less
76-90	2.00	1.99-1.90	1.89 Or Less
91 Or More	2.00	1.99-1.98	1.97 Or Less

*Attempted credit hours are those hours for which a grade is earned at CNU (excluding *I, M, AU, P, or W*). Attempted credit hours are cumulative. On the academic transcript, these hours are presented as GPA hours.

Students receiving financial aid must use the CNU Financial Aid Guide to determine *Satisfactory Academic Progress*. Please visit financialaid.cnu.edu for the latest update.

Academic Warning

Academic warnings apply only to periods of enrollment prior to Fall Semester 2003. Any student whose semester or overall grade point average fell below 2.00 received an **academic warning**. The warning will appear on the student's academic record.

Academic Probation

Students who do not academically progress according to the minimum standards for continuance may be subject to academic probation. While on academic probation, students may not enroll in more than 14 credit hours. The notation *Academic Probation* will appear on the student's permanent record. Students who are placed on academic probation are strongly urged to consult with their advisor and the Center for Academic Success to develop strategies for improving performance. Students whose performance continues to decline may be subject to academic suspension based on the minimum standards for continuance.

Academic Suspension

Academic suspension results from the cumulative grade point average (GPA) dropping below the minimum standard for continuance while the student is on academic probation. After students have been placed on academic probation and continue to perform below minimum standards, they will be placed on academic suspension. (Note: With the exception of first-semester, first-time freshmen, a student will not be placed on academic suspension unless he/she was on

academic probation for his/her previous term of enrollment at CNU.) Students who are academically suspended may not register for any class at the University for at least one regular semester (fall or spring). The notation *Academic Suspension* will be placed on the suspended student's permanent academic record. Credit for courses taken at other institutions while on suspension will not be transferred to CNU.

Students who wish to return to CNU after their one semester suspension must:

1. Make an appointment to develop a plan of study with the Center for Academic Success before October 15 to return in the spring semester and before March 15 to return in the fall semester;
2. Register for the semester immediately following their suspension semester; and
3. Register for no more than 14 credit hours.

Students are eligible to return the fall or spring semester immediately following their term of suspension. Academically suspended students who do not return for two or more consecutive regular semesters (excluding summer terms) must apply for readmission through the Office of the Registrar. These applications will be judged by the admission standards current at the time of application for readmission. Readmitted students return under the catalog (curriculum) requirements in effect for their first term of readmission.

Returning students must develop a plan of study (*Second Chance Contract*) in conjunction with the Center for Academic Success. This plan of study will indicate the credit hour limits the student must observe, the conditions of the agreement, and a schedule of courses to be taken each semester. If the student follows this agreement and earns at least a 2.00 term GPA, the student will not be academically dismissed even if the cumulative GPA is below the minimum standard for continuance. If the student does not follow the plan of study, does not meet the terms of the agreement, or does not meet the minimum standard for continuance (GPA), the student will be academically dismissed. Students are required to initiate the *Second Chance Contract* each semester of continuous academic probation following academic suspension. Once a student's cumulative GPA meets the minimum good standing range (2.00 or higher), the contract is considered complete.

Academic Dismissal

Students who have already been academically suspended, are on academic probation, and fail to meet minimum standards for continuance will be academically dismissed from the University. The notation *Academic Dismissal* will be placed on the dismissed student's permanent academic record. Students who have been academically dismissed from CNU may not apply for readmission to the University for at least five calendar years. Such applicants' academic records at CNU will be considered part of the relevant materials for readmission to the University.

Academic progress must be sufficient to support graduation within a maximum of six (6) years after matriculation as a full-time student. Such students who fail to meet this requirement may be academically dismissed from the University. In the event of extenuating circumstances, students may appeal to the Academic Status Committee for an extension of the graduation date. Completed written appeals must be received in the Office of the Registrar at least one week prior to the next published committee meeting. Deadlines for receipt of complete appeals are published on the Office of the Registrar website. Forms for appealing academic progress are available in the Office of the Registrar and on the Office of the Registrar website.

Classification of Degree-seeking Full- and Part-time Students (student level)

1 - 29 credits	Freshman
30 - 59 credits	Sophomore
60 - 89 credits	Junior
90+ credits	Senior

Full-time Status/Permission to Underload

Students who enroll in 12 or more credit hours in a regular semester (fall or spring) are considered to be enrolled full-time. The average course load for full-time

undergraduate students at CNU is approximately 15 credit hours during either fall or spring semester. Students may carry up to 18 credit hours in a regular semester and up to 18 credit hours in the entire summer session (no more than two courses or six credit hours in each summer term or a total of 18 credit hours in any combination of summer terms) without special permission. Students who register for more than 17 credit hours will be charged the full-time rate plus the appropriate per-credit-hour rate for each additional hour above 17 credits (for more information see the section of the catalog entitled "Tuition and Fees"). Students wishing to exceed these credit hours should see the section entitled *Course Overload Schedule*. **CNU expects students to maintain full-time status.**

A student must seek permission for less than full-time enrollment from the University Registrar. Such requests must be made prior to the first day of the term. The form for *Permission to take an Underload* is available on the Registrar website. Students enrolled as less than full-time should consider carefully the non-academic ramifications of less than full-time enrollment. For example financial aid, health insurance, NCAA athletics, progress toward degree, immigration status and eligibility for University housing may be impacted. **Students whose request for an underload is denied and who do not appeal their less than full-time status and do not subsequently enroll and maintain full-time status will be disenrolled from the University for that semester.**

Course Overload Schedule

For undergraduate students, an overload is defined as more than 18 credit hours in a semester (fall or spring) or all summer terms combined. The University Registrar is authorized to approve overload requests under the following conditions:

Students who wish to enroll in up to 21 credit hours in a regular semester (fall or spring) or up to 18 credit hours in the entire summer (with no more than six credit hours in one summer term or a total of 18 credit hours in any combination of summer terms), provided they have earned at least 12 credit hours at CNU and have an overall GPA of at least 3.00; or students who wish to enroll in up to 19 credits in a regular semester (fall or spring) when the one credit hour overload is for a lab and have an overall GPA of at least 2.50.

Students with a GPA below 3.00 may request permission to carry up to 21 credit hours in a regular semester or up to 19 credit hours in the entire summer session (or any combination of summer terms) by appealing to the Academic Status Committee. The Academic Status Committee may recommend granting overload permission in compelling circumstances for students who seem academically able to successfully complete a semester or term with overload hours. The Academic Status Committee considers the student's written request, grade point average, progress toward the student's stated educational objective, academic performance

in previous semesters, and the mix of courses in the overload appeal. Students must complete the *Request for Overload* form, which is available in the Office of the Registrar or on the Office of the Registrar website. The completed appeal must be received in the Office of the Registrar no later than the deadline published on the Office of the Registrar website. Appeals received after the deadline will be held for the following scheduled Academic Status Committee meeting.

Limitation on Eligibility for In-State Tuition

Beginning in 2006, the Commonwealth of Virginia enacted legislation to place a limitation on students' eligibility

for in-state tuition. Upon completion of 125 percent of the credit hours required to obtain a degree in the student's program, the student may be assessed a surcharge which is equivalent to the cost of tuition at the out-of-state rate. Please note that certain courses and credit hours may be excluded from the 125 percent calculation. Students who have or will have earned 145 or more credit hours should contact the Office of the Registrar for more information. Impacted students may appeal to the Office of the Registrar for a waiver as provided by the *Code of Virginia*, Section 23-7.4.

GENERAL ACADEMIC POLICIES

Immunization Requirements for New Students

In an effort to provide a healthy environment in which to live and learn, CNU has created an immunization policy that incorporates the guideline for immunizations set forth in the *Code of Virginia*, Section 23-7.5. Students may have received these immunizations as a child or later in life. **All entering full time students (including transfer students) are required to provide a completed *Certificate of Immunization*, which must be signed or stamped by a licensed health care professional.** Failure to do so will result in the student's inability to register for and attend the next semester at CNU. In some cases, students may sign a waiver of the recommended immunization and be in compliance with University and state policy. Copies may be obtained from the Office of the Registrar website (registrar.cnu.edu/forms/) or by contacting the Office of the Registrar. Questions about this requirement or the waiver should be directed to the Office of the Registrar at (757) 594-7155 or via email at register@cnu.edu.

Registration

The University's registration system is a web-based registration process. Dates and times for registration periods are published on the Office of the Registrar website prior to each semester (fall, spring and summer). Typically there are at least two weeks of published advising and registration planning for currently enrolled students prior to the registration period. Students are expected to adhere to the guidance of their academic advisors when registering for classes. Students' schedules should focus on academic success and progress toward their intended degree. Students are also responsible for ensuring that they have met the appropriate course prerequisites and registration restrictions for entrance into a course. Students who have not met the course prerequisites and registration restrictions, as detailed in this catalog, will not be allowed to register for the course without special permission from the department. Students who are required to meet with their academic advisors prior to registering will be given a registration (also called alternate) PIN used for web-based registration and schedule adjustment purposes.

Registration PINs are specific to registration periods: fall, spring and summer. **A new alternate PIN is issued for each registration period.**

Students who have a 'hold' on their account may not register or make any schedule adjustments (including adds, drops or course withdrawals) for courses until the 'hold' has been resolved. Prior to advising, registration, and schedule adjustment periods, it is the student's responsibility to determine whether there is a 'hold' on his/her record. Students should access the 'CNU Live' link within 'CNU Connect' via the web. If a 'hold' exists on a student's record, he/she must resolve that hold with the office issuing the hold.

Registered students should log in to their CNU Live account to review their charges as paper bills are no longer mailed. The balance must be paid by the deadline noted on the online billing statement and announced on the CNU Business Office website. Students are not considered officially registered until tuition and fee payments have been received in the Business Office. The University reserves the right to cancel registrations if bills are not paid.

Newly admitted freshmen are expected to attend the mandatory orientation programs before receiving their fall class schedule. During their orientation program, these students will receive information on how to access their web-based registration account. Newly admitted transfer students, readmitted students, and non-degree seeking students will receive information on how and when to access their web-based registration account with their admission materials.

Students who have not registered nor attended for two consecutive regular semesters (fall and spring) will become inactive. Inactive students who wish to register must seek readmission to the University through the Office of Transfer Enrollment. After a degree has been conferred, students will be changed to non-degree seeking to facilitate possible future registration unless the student has filed an *Intent to Graduate* form for an additional degree.

Schedule Adjustment (add/drop)

After registering for classes, students may make changes to their class schedules via the 'CNU Live' link within their 'CNU Connect' account during published schedule adjustment periods. If a student has a 'hold' on his/her account, he/she will not be able to make schedule adjustments until the 'hold' has been resolved with the appropriate office. Note that if the 'hold' has not been resolved by the end of the schedule adjustment period, the student may not make additional schedule adjustments for that term. Schedule adjustment periods are published on the Office of the Registrar website. Courses dropped during this period do not become part of the student's permanent academic record.

Enrollment in Extended Summer Term

All Extended Summer courses will be travel courses that occur at an international location, and travel on these study trips requires concurrent enrollment in the associated coursework. All current students in good financial and social standing at the University are eligible to enroll in these courses. Registration for these courses must be processed through the Study Abroad Office and the Office of the Registrar. No more than four credits may be taken during the Extended Summer Term without special permission from the Office of the Registrar. *No degree conferrals will occur after completion of an Extended Summer Term course.*

Students participating in a CNU study abroad course in the Extended Summer Term, or any other course-related travel program, either domestic or international, are required to enroll for and complete the associated course. Students should use the *Application for Participation in Non-CNU Led Study Abroad* form which can be obtained from the Study Abroad Office.

Withdrawal from a Course

Five (5) course withdrawals (grades of *W*) are permitted during a student's academic career at CNU. The sixth and any subsequent *W* will be computed as an *F* in the grade point average. Effective with the 2007-2008 academic year, the following guidelines apply to course withdrawals:

- Courses taken on an 'audit' basis do not count toward the limit of five *W* grades;
- Co-requisite courses, when all co-requisite courses are dropped, count as one *W* toward the limit of five;
- Co-requisite courses, when only one of the co-requisite courses is dropped, count as one *W* toward the limit of five.

If a student withdraws from a course where the pass/fail option has been elected, the withdrawal will count toward the maximum of five allowed without grade penalty. Note that the limit of five course withdrawals began with Fall Semester 2002 enrollments.

During the withdrawal period, students may withdraw from a course by completing a *Course Withdrawal* form obtained in the Office of the Registrar or available on the Office of the Registrar's website. Students are encouraged to obtain the signature of the instructor of record on *Course Withdrawal* forms, even if the course is for zero credit hours or a course taken on an audit basis. If a student is unable to obtain the instructor's signature on the *Course Withdrawal* form, he/she should indicate such on the form when it is submitted to the Office of the Registrar. Course withdrawals will be recorded with a grade of *W* on the student's academic record; course withdrawals in excess of five will be recorded with a grade of *F* on the student's academic record. If a student has a 'hold' on his/her account, he/she will not be able to withdraw from courses until the 'hold' has been resolved with the appropriate office. Note that if the 'hold' has not been resolved by the end of the course withdrawal period, the student may not withdraw from that course. Course withdrawal periods are published on the Office of the Registrar website and in the academic calendar.

Students who are considering withdrawing from a course should be reminded that graduate and professional schools, as well as future employers, may discount academic performance if it is apparent that withdrawing from courses was used as a mechanism for avoiding poor grades. Students should make these decisions carefully and only after consulting with the academic advisor and the instructor. A student who stops attending a class and who does not complete a *Withdrawal from Course* form will be assigned the earned grade in that course. A grade of *W* cannot be assigned after the end of the published withdrawal period.

Medical, Administrative, and Military Withdrawals

Students who appeal to withdraw from the semester for medical reasons (medical withdrawal) must complete a *Withdrawal from Semester* form and submit detailed documentation to the Office of the Registrar outlining the justification for the request. Appeals for medical withdrawals must be timely and must be submitted as close as reasonably possible to the accident or incident causing the need for the medical withdrawal. The student must also provide a written statement on official letterhead from his/her physician (MD or DO) certifying that he/she is/was incapacitated and is physically incapable of completing the term due to medical reasons. Appeals for medical withdrawals which are received after the last day of regular classes will be considered late and must have a written statement by the student indicating the compelling reason for the late request. Late requests are discouraged and will be considered on a case by case basis; only those requests involving very exceptional circumstances which could not have been addressed earlier in the semester will be considered. After the Office of the Registrar receives all required documentation, the University Registrar will begin a thorough review of the student's request and determine the appropriateness of the medical withdrawal.

After the review has been completed, the University Registrar will approve or disapprove the request, and the student will be notified in writing of the decision. If the request is approved and the student wishes to return to the University for a future term, the student will need to provide written documentation from the treating physician that he/she is eligible to return to full-time study. If the student has not enrolled for two consecutive semesters, the student must apply for readmission to the University in addition to providing written documentation from the treating physician of the student's eligibility to return to full-time study. It is extremely rare that two consecutive medical withdrawals will be approved. It is also rare that a request for a medical withdrawal received near the end of a term or after a term has ended will be approved or that a medical withdrawal will be approved retroactively for a previous period of enrollment. In such extreme instances of physical incapacitation, additional documentation from the physician (MD or DO) and the student will be required to justify the lateness of the appeal.

In other extenuating (non-medical) circumstances requiring the student to withdraw from the semester, the student must complete a *Withdrawal from Semester* form and a written personal statement outlining the extenuating circumstances justifying the need for an administrative withdrawal. Requests for an administrative withdrawal must be submitted to the Office of the Registrar for approval by an appropriate University official (the student's academic dean, a vice provost, or the provost). After the appropriate University executive administrator has reviewed the request and made a decision, the Office of the Registrar will notify the student in writing of the decision. Students may not have two consecutive administrative withdrawals approved. It is extremely rare that more than one administrative withdrawal will be approved during a student's entire academic career at Christopher Newport or that an administrative withdrawal will be approved near the end of a term, after the term has ended, or retroactively for a previous period of enrollment.

If a request for a medical or administrative withdrawal is approved, all grades for the semester in question will be noted as M on the student's transcript, and the student will earn no credit for that term. The M grades will not be counted toward the maximum course withdrawals permitted and will not be computed in the students' grade GPA. Students may not exercise the medical or administrative withdrawal option to withdraw from individual courses. Students with an approved medical or administrative withdrawal will be ineligible for any refund of tuition and/or fees unless the complete request for withdrawal (including required documentation) was received by the Office of the Registrar during the regular published refund period for withdrawals. Students who submit requests for withdrawals after the refund period will be ineligible for any refund of tuition and/or fees. Students with

approved medical or administrative withdrawals may be eligible for prorated housing and/or meal plan rates after consultation with the Office of Housing Administration and submission of any required documents. Students with an approved medical or administrative withdrawal will be ineligible for any refund of their University parking fee.

Students who are called to active duty (deployed) after the final drop/add period may pursue a military withdrawal from all courses. Students should complete a *Withdrawal from Semester* form along with a copy of their official military orders calling them to active duty and forward both to the Office of the Registrar for approval and processing. Students who have reached the ninth week of a regular semester should contact the Office of the Provost for assistance in securing grades of I (incomplete) in their courses whenever possible. Except in cases where students have received authorization for grades of I, all grades for the semester in question will be noted as M on the student's transcript. The M will not be counted toward the maximum number of course withdrawals permitted and will not be computed in the student's grade point average (GPA). Additional information regarding the required process is available at registrar.cnu.edu.

Auditing a Course

Students auditing courses are subject to attendance regulations specified by the instructor but are not required to take tests or final examinations in the audited courses. By permission of the instructor, students may complete any of the required assignments. Rather than receive the regular letter grade at the completion of an audited course, auditing students' academic records will indicate *AU* for such courses. (See "Fees and Financial Information" and its subsection concerning Senior Citizens for details concerning audit charges.) **Changes from audit to credit status or credit to audit status may be made only during published schedule adjustment periods and in compliance with established deadlines.** Students who switch from audit status to credit status are expected to make satisfactory academic progress according to the *University Minimum Standards for Academic Continuance*.

Independent Study Procedures

The purpose of independent study is to enable qualified students to enrich their programs through directed reading or independent research under faculty supervision for University credit. Independent study courses may be offered in a regular semester or during a summer session. The student and the faculty member directing the independent study agree upon goals, prerequisites, stages and grading procedures in writing. The *Independent Study Authorization* form must be completed and submitted to the Office of the Registrar no later than the end of the registration period for the semester in which the independent study is to occur. Forms submitted after the registration period will not be processed.

Independent study is ordinarily limited to the students' major or minor fields of study, where they have qualified themselves by previous academic training. Students may present a maximum of six credit hours of independent study credit toward the undergraduate degree. (Note: No more than three credit hours of independent study are allowed in one term.)

To qualify for Independent Study:

1. The student must have a cumulative grade point average of at least 2.50;
2. The student and the faculty member directing the independent study must complete an *Independent Study Authorization* form (available on the Office of the Registrar website);
3. Students must register for the independent study course through the Office of the Registrar (not via the web). Within five days of being signed by both parties, the *Independent Study Authorization* form must be submitted to the appropriate department chair and academic dean. (If an independent study is to be taken off campus or is to be directed by adjunct faculty, written approval of the department chair is required.) Students must then present the completed and approved *Independent Study Authorization* form to the Office of the Registrar at the time of registration or schedule adjustment so he/she can be registered in the desired course. Incomplete forms will not be processed.
4. The deadline for submission of an approved *Independent Study Authorization* form is the last date, as stated on the Office of the Registrar website for the term requested, to add or drop a course. If the addition of the independent study course will cause an overload situation (more than 18 credits in a regular semester), the student must submit the form along with an appeal for an overload to the Academic Status Committee. Deadlines for submission of appeals to the Academic Status Committee are posted at registrar.cnu.edu/committees. Completed appeals should be submitted to the Office of the Registrar by the published deadline.

Class Attendance

The University expects that students will regularly attend all of their scheduled classes. An educational system based largely upon classroom instruction and analytical discussion depends upon the faithful attendance of all students. The University does not, however, establish specific attendance policies. These are established at the discretion of the individual colleges, departments, and instructors. Students with excessive absences will receive a grade of *F* or *UI* upon the instructor's recommendation. If excessive absences are caused by an extreme emergency and the instructor penalizes the student, the student may appeal the decision through the Grade Appeal Policy (see *Student Handbook* for details).

Other regulations include:

1. Missing a class meeting does not in any way lessen the student's responsibility for that part of the course that has been missed.
2. Instructors may differentiate between excused and unexcused absences and authorize makeup tests when appropriate.
3. Students who miss classes to represent the university must notify the class instructors in advance of those absences. Given prior notice, instructors will allow students to make up class work or to complete work in advance of class absence. In cases of disagreement about whether an activity represents the university, the appropriate academic dean will make the determination.
4. Students who receive federal financial aid and who discontinue class attendance without formally withdrawing from the course may jeopardize current and/or future financial aid awards. Please contact the Office of Financial Aid for more information.

Final Examinations

The examinations given at the end of each semester take place at times announced on the examination schedule published on the Office of the Registrar website. Exams may not be completed on a University Reading Day. Students are required to take all final examinations at the times scheduled unless excused as noted below (see *Absence from Final Examinations*). The University does not authorize re-examination nor will changes be permitted unless the student has three or more examinations in a 24-hour period. Students with more than two examinations scheduled on a single day may request to have any additional examination(s) rescheduled. Such requests must be directed to the instructor(s) before the final exam period begins; at their discretion, instructors may resolve such conflicts using the conflict resolution period (but not the university reading/study day) or by other arrangement, such as allowing the student to take the exam in another course section or rescheduling the latest final on a given day. Students with other verifiable conflicts that would force a rescheduling in the exam time may request such a change but the request must be approved by the dean after student consultation with the instructor and/or department chair.

Absence from Final Examinations

A student may be excused from taking an examination at the scheduled time by prior approval of the instructor. The student may be excused on the grounds of illness when it is verified by a physician and received by the instructor or department chair. The instructor must be notified as soon as possible if illness or any other emergency causes a student to be absent from an examination. If the instructor cannot be notified because the student is physically unable to do so, the Office of the Registrar must be notified as soon as possible

and the Office of the Registrar will contact the instructor. Verification is required.

Grade-Point Average

The 'cumulative GPA' is the total number of grade points earned (for CNU courses) divided by the total number of credit hours attempted (CNU). Transfer credit is not included in grade points and credit hours attempted, resulting in one GPA; however, transfer credit is included in credit hours earned towards a degree.

Grading System

A (Excellent).....	4.00
A-	3.70
B+	3.30
B (Above Avg).....	3.00
B-	2.70
C+	2.30
C (Average).....	2.00
C-	1.70
D+	1.30
D (Below Avg).....	1.00
D-	0.70
F (Failing).....	0.00
UI (Failing).....	0.00

- AU** Indicates that a student has audited a course (no degree credit is awarded) and is not computed in the cumulative GPA.
- I** Indicates an incomplete grade and is not computed in the cumulative GPA.
- M** Indicates that a student has received a medical/administrative/military/judicial withdrawal and is not computed in the cumulative GPA .
- P** Indicates a passing grade in a pass/fail course; if the student receives a grade of *P*, it is not computed in the cumulative GPA while the grade of *F* is computed in the cumulative GPA.
- UI** Indicates an 'unauthorized incomplete' denoting that a student did not participate academically in a course beyond the 60 percent date in the semester; this is computed in the cumulative GPA as an *F*.
- W** Indicates that a student withdrew from a course and is not computed in the cumulative GPA.
- Z** Indicates a zero credit course and is not computed in the cumulative GPA.

Incomplete Grade

The grade of Incomplete, *I*, is a temporary grade that the instructor may assign when exceptional, documented circumstances prevent the student from completing required assignments or from taking the final examination. If the grade of Incomplete is assigned, the student must complete the work and the professor must submit the *Grade Change Form* (or *Extension of Incomplete Form*, if appropriate) to the Office of the Registrar by the third Friday of the next regular semester. If a *Grade Change Form* (or *Extension of*

Incomplete Form) is not submitted as indicated, the grade of *I* will automatically convert to a grade of *F* on the following business day and will require the following signatures for a change of grade: instructor, department chair, and academic dean.

- Incomplete grades given in the **fall**: must be removed or extended by the above indicated deadline in the following **spring** semester.
- Incomplete grades given in the **spring**: must be removed or extended by the above indicated deadline in the following **fall** semester.
- Incomplete grades given in the **summer**: must be removed or extended by the above indicated deadline in the following **fall** semester.

All extensions of an incomplete grade require the signature of the instructor, department chair, and academic dean and must include a specific date (MMDDYY) **prior to the last day of the next regular semester**. *I* grades will roll to a grade of *F* once an extension date has expired. **Note: Degrees will not be conferred for students with a missing grade or grade(s) of Incomplete, I, on his/her academic record and the student's anticipated semester of graduation will be moved to the following term.**

Grades for Repeated Courses

For most courses that are repeated, only the grade, credit, and grade points for the **most recent** course enrollment will be counted toward graduation requirements, credit hours earned, and included in the computation of grade point averages. **Courses completed at CNU with a grade of D or F cannot be repeated at another institution.** Students who, after their third attempt (excluding course withdrawals designated by a grade of *W*), do not complete a course required for a specific degree at CNU may not be allowed to graduate with that degree, as determined by the student's academic department. Students, whose academic department removes them from the major because of three attempts (excluding course withdrawals designated by a grade of *W*) in a required course, may appeal to the Undergraduate Degrees Committee for reinstatement to their former major. Students who fail to successfully complete the mandatory general education or liberal learning curriculum courses after three enrollments may be academically dismissed from CNU. Students who are academically dismissed may appeal to the Academic Status Committee for reinstatement. Students who wish to appeal either committee should consult the Office of the Registrar website for deadlines, forms, and instructions regarding the appeal process. Appeals received after the published deadline will be held for the next scheduled meeting. Completed appeals should be submitted to the Office of the Registrar by the published deadline.

Courses retaken after graduation will not replace grades previously earned; therefore grades, grade points, and credits for both course enrollments will be reflected in the cumulative and CNU totals on the student record.

The Pass/Fail Option

The Pass/Fail Option is intended to encourage students to enrich their academic programs by exploring challenging courses outside their major without the pressure of the regular grading system. Effective with fall semester 2008, the requirements for the Pass/Fail Option are as follows:

- To register for a course under the Pass/Fail Option, an undergraduate must have at least junior standing (see *Classification of Students*) with a cumulative grade point average (GPA) of at least 2.00.
- To exercise this option, students must complete and submit a *Pass/Fail* form to the Office of the Registrar by the end of the published period for that term. Once exercised, the Pass/Fail Option can be revoked only by withdrawal from the course or by withdrawal from the University.
- Undergraduate students can complete no more than 12 credit hours under this option during their tenure at CNU.
- Undergraduate students can register for no more than six credit hours of pass/fail in any one term (counted fall, spring, or summer).
- Courses which may **not** be taken on a pass/fail basis include those satisfying the liberal learning curriculum (liberal learning foundations, areas of inquiry, and writing intensive) or requirements in the major, minor, concentration, or degree studies and graduate level courses (numbered 500-600 level). University designated pass/fail courses (offered only on a pass/fail basis) are exempt from this policy. Courses for which the pass/fail option applies, are restricted to general (non-program) electives.
- Credit for a passing grade will count toward graduation but will not be used in determining the GPA. **Credit for a failing grade will not be given; however, a grade of F will be computed in the cumulative GPA.**
- Courses taken on a pass/fail basis count toward full- or part-time standing.
- A grade of *P* is granted for earning a *D-* or higher in the pass/fail course.

Grade Reports: Third-week, Midterm and Final

Students may access their third-week, midterm and final grade reports by accessing their web-based, 'CNU Connect' account and clicking on the 'CNU Live' link. Final grades are available at the end of each term.

Dean's Academic Honor List

Students who, in any given fall or spring semester, are enrolled in at least 12 credit hours, have earned no final grade below *C*, have not received the temporary grade of *I* in any course during that semester, and whose term grade point average is at least 3.50, are placed on the Dean's Academic Honor List for that semester. *NOTE: Minimum requirements for Dean's Academic Honor List are not appealable.*

Request to take Courses Elsewhere

Permission to take courses elsewhere is a privilege that the University grants to degree-seeking students; however, when a student seeks to enroll in credit courses at another institution, **the student must obtain approval in advance from the Office of the Registrar.** This rule also applies to courses taken through the Virginia Tidewater Consortium (VTC). Please note that a maximum of 11 credits or three courses with required labs completed through the Virginia Tidewater Consortium may be applied toward graduation.

Students must complete a *Request to Take Courses Elsewhere* form, available on CNU Live with the Office of the Registrar or on the Office of the Registrar website. The University grants students permission to take courses for credit at other institutions when such action is necessary for students to make progress toward their educational objective and the course is not available at CNU. **Transfer credit(s) for courses taken elsewhere will be granted only if the student has prior written approval and earns a grade of C or higher at the transfer institution. Note that grades earned at transfer institutions are not computed into the student's cumulative GPA.**

Degree-seeking students who are on academic and/or judicial suspension (to include suspensions due to Title IX violations) are not eligible to take courses elsewhere. Credit hours earned elsewhere while on academic suspension **will not** be accepted as credit by Christopher Newport University.

CNU students who enroll in any non-CNU study abroad course must obtain prior approval for credit prior to the study term. Students should use the *Application for Participation in Non-CNU Led Study Abroad* form, which can be obtained from the Study Abroad Office. It is the student's responsibility to obtain the necessary signatures for all courses that might be taken during the study abroad, and submit the completed form, including all required signatures, to the Study Abroad Office for approval.

Request to take a College-Level Examination Program (CLEP)

Permission to take a College-Level Examination Program (CLEP) exam is a privilege that the University grants to currently enrolled degree-seeking students; however, when a student seeks to take a CLEP exam to earn college credit, the student must obtain approval in advance from the Office of the Registrar. Students must complete a *Request to Take a CLEP Exam* form, available on the Office of the Registrar website. The University grants students permission to take CLEP examinations when such action is necessary for students to make progress toward their educational objective. Credit for CLEP examinations are granted only if the student has prior written approval from the Office of the Registrar and earns at least the minimum score published in the *Policy for CLEP and Procedures for Course Challenge*. Degree-seeking students who are on academic suspension are not eligible to take CLEP examinations for credit at CNU.

Challenging a Course

Students who have become exceptionally knowledgeable through life experiences in the subject matter of certain courses offered at the University may challenge these courses. Students may earn credit for such courses upon demonstration of proficiency through procedures established by each academic department at the University. Only those courses that do not appear on the student's CNU permanent academic record or on any other college transcript may be challenged. Students may challenge a given course only once. To challenge a course, the student should pay the required fee to challenge a course and present a completed *Permission to Challenge a Course* form (available on the Office of the Registrar website) to the Office of the Registrar for approval. After the student has paid the challenge fee and received approval from the Office of the Registrar, he/she should contact the department chair of the course to obtain approval and to arrange to challenge the course. The student must also obtain written approval of the academic dean to challenge a course. After the course has been challenged, the responsible faculty member will record the results on the *Challenge* form and submit to the Office of the Registrar. The non-traditional credits will be recorded on the student's permanent academic record, and the student will receive notification from the Office of the Registrar indicating the results of the challenge. Unsuccessful challenges will not appear on the academic record. Details concerning this process, individual department procedures and courses available to challenge are listed in the booklet entitled *Policy for CLEP and Procedures for Course Challenge*.

Academic Forgiveness

CNU students who have been readmitted after not taking courses at CNU for a period of five or more years may apply to the University Registrar for academic forgiveness. The student must be currently enrolled at CNU and have completed at least 12 credit hours with a minimum 2.00 grade point average. The University Registrar will act on behalf of the Academic Status Committee to have the past academic record at CNU forgiven. The forgiveness policy applies to the entire academic record prior to readmission and not to selected courses. The record of forgiven courses will remain on the student's permanent record, but it will be noted that these courses have been forgiven. Such forgiven courses will not fulfill any academic requirements nor will they be computed in the cumulative grade point average.

Individuals exercising this option are cautioned that forgiveness pertains only to the previous record at CNU and does not affect transfer credits earned at other institutions in any way.

Declaration or Change of Major

Degree-seeking students will typically declare a major field of study no later than the end of the sophomore year or upon completion of 60 credit hours. To declare a major field of study, students must complete the *Declaration or Change of Major/Minor* form, available from the Office of

the Registrar. Degree requirements are based on the catalog in effect at the time of admission/readmission. **Students must submit the completed Declaration or Change of Major/Minor forms to the Office of the Registrar.** Note that the major(s), do not appear on the diploma but does list on the student's official transcript.

A major must consist of a minimum of 30 semester hours and a maximum of 42 semester hours in the discipline. Introductory (100- and 200- level) courses need not be counted in the 42-hour maximum requirement, at the discretion of the department housing the major. Students may take more than 42 hours in the major field, and a department may not require more than this number except where the university has approved an exception for the program as in instances where accreditation may require more hours.

Double Major

Degree-seeking students may designate a second, **concurrent** major field of study. All requirements for both majors, including the general education or liberal learning curriculum, supporting, and concentration requirements must be completed. Students seeking a double major must complete and submit the appropriate request form, available from the Office of the Registrar. In the case of a double major, **two baccalaureate degrees will not be awarded.** However, a notation recognizing the completion of the requirements for the second major will be recorded on the student's permanent academic record (transcript) at the time of graduation. **Students should submit completed forms to the Office of the Registrar.**

Declaration of Minor

Degree-seeking students may declare a minor in a sanctioned secondary field of study by completing the *Declaration or Change of Major/Minor* form, available from the Office of the Registrar. A minor may not be declared in the discipline of the major. The minor must include from 15 to 21 credit hours of course work above the 100-level, as determined by the department of the minor field. **Students should submit completed forms to the Office of the Registrar.**

Second Bachelor's Degree

Students who hold a bachelor's degree from Christopher Newport University are required to present 30 **additional** hours of residence credit, after the first baccalaureate degree has been awarded, toward a second CNU bachelor's degree. Students who hold a bachelor's degree from another regionally accredited college or university, and who wish to become candidates for a second degree, must earn a minimum of 45 hours in residence at CNU, after their first baccalaureate degree has been awarded. Once admitted into degree-seeking status, such degree holders will not be required to complete the general education or liberal learning curriculum for bachelor's degrees that have not already been met through transfer of credit from their previous degree program(s). **The degree studies requirement (for students admitted or readmitted prior to Fall Semester 2006), major, and**

elective requirements for the CNU degree being sought must be satisfied.

Undergraduate Students taking Graduate Courses

Undergraduate students in senior status may, under certain conditions, take graduate level courses. Seniors with a minimum cumulative GPA of 3.00 are allowed, with the signed approval of the course instructor and the Office of Graduate Studies, to enroll in one graduate level course and any associated laboratory per semester. There is a limit of eight (8) graduate level credit hours over all semesters for an undergraduate student. These graduate level credit hours may count toward the 120 credit hours for the undergraduate degree.

In order to enroll in a subsequent graduate level course, the undergraduate student must have earned a minimum grade of *B-* in the first attempted graduate level course. If the graduate level course is to be used as a substitute course in the undergraduate major, the student must have the course substitution approved in advance by the appropriate department chair. If the graduate level course is to be used as a substitute course in the undergraduate liberal learning curriculum, the student must appeal to the Undergraduate Degrees Committee for approval to substitute a graduate level course for an undergraduate liberal learning curriculum requirement. Allowing a student to enroll in the graduate level course does not indicate permission to substitute that course for any required undergraduate course.

The required form, *Undergraduate Request to take Graduate Level Course*, is available from the Office of Graduate Studies and the Office of the Registrar. The completed and signed form must be attached to the *Add/Drop* form at the time of registration (no later than the final day of the published add/drop period) and submitted to the Office of the Registrar with all required signatures. Incomplete forms will not be processed.

Undergraduates accepted to one of the five-year programs may be required to take certain graduate level courses that will be applied toward an undergraduate degree. For these students, credit for graduate courses beyond the 120 credit hour requirement for the bachelor's degree may be transferred to the graduate transcript. Grades do not transfer.

Enrollment During Graduation Term

Students should read and be familiar with university graduation requirements and applicable deadlines available in the *Undergraduate Catalog* and on the Office of the Registrar website. All undergraduate students must be enrolled the semester of graduation, as noted on the *Intent to Graduate* form, as one of the university's requirements for graduation. For summer graduates, students must be enrolled in one of the summer terms. At the end of the final drop/add period for their term of graduation, students who have not registered for a course will be required to enroll in the following semester and graduation will be delayed, or in special circumstances, students can submit an appeal to the Office of the Registrar for an exception to this enrollment requirement.

Commencement and Graduation Exercises

Commencement exercises are held once each year in May. Students who complete degree requirements in August and December are eligible to participate in the *following* Spring Commencement ceremony. Diplomas for August graduates will be available on the first business day after the end of the last summer term. Diplomas for December graduates will be available approximately 21 calendar days after the semester ends. After a degree has been conferred, students will be changed to non-degree seeking to facilitate possible future registration unless the student has filed an *Intent to Graduate* form for an additional degree.

All prospective graduates will be contacted before the Spring Commencement ceremony by the Office of the Registrar and/or University Events concerning rehearsal and attendance. Those students planning to attend Commencement must notify the University by the announced deadline so that seating arrangements can be finalized for all who plan to participate. Students who plan to attend Commencement must keep the Office of the Registrar informed of any address and/or phone number changes so that they can receive important information concerning graduation.

Degrees will not be conferred for students unless all graduation requirements, including courses, degree requirements, GPAs, credits, and financial obligations have been satisfied. NOTE: Degrees will not be conferred for students with a missing grade or grade(s) of Incomplete, I, on his/her academic record. In the case of a missing or incomplete grade, the student's anticipated semester of graduation will be moved to the following term. Students must be enrolled the semester or term of graduation.

To participate in the Commencement ceremony, undergraduate candidates for graduation must have completed all remaining degree requirements (degree, financial and social) or be enrolled in spring semester courses which will complete all degree requirements no later than the beginning of spring semester finals week. If after spring semester final grades have been submitted, a spring candidate does not successfully complete one spring semester course of three or less credits, and has earned a minimum GPA of 2.00 (overall and in the major), he/she may be eligible to participate as a *candidate pending completion* (see Policy on *Participation* on the Office of the Registrar website). To be eligible to participate, all degree candidates must be on track to complete all degree requirements as of the second week of spring semester and continue to be on track to complete all degree requirements as of the beginning of final exams.

Students who have remaining degree or University requirements going into spring semester, or students who intend to finish their requirements in the summer or fall semester, are not eligible to participate in the Spring Commencement ceremony. Please note that May term or any

of the summer terms are not part of the regular spring semester; therefore, enrollment in the summer terms cannot be considered for students to be reviewed as a spring degree candidate, or to participate in the Commencement ceremony. Students who plan to complete degree requirements after the spring semester conferral date will have their anticipated semester or term of graduation deferred to August or December.

GENERAL REQUIREMENTS FOR GRADUATION

All baccalaureate degree programs require:

1. A total of 120 academic semester hours with a grade point average of at least 2.00;
2. Official classification as degree-seeking prior to beginning the last 30 credit hours in their academic program;
3. Minimum of 45 credit hours completed in residence as a degree-seeking student at CNU. Note: Credit earned through a CNU approved study abroad/away program is counted as 'resident' credit;
4. Minimum of 30 of the last 36 credit hours, including the last 12 credit hours within the major field, taken in residence;
5. Of the total credits required for graduation:
 - a) Students matriculating in Fall 2000 and thereafter must complete two (2) 300-400 level courses that are designated as writing intensive (WI). See major department for details.
 - b) Students may present a maximum of six credit hours of Independent Study credit toward the undergraduate degree. (Note: No more than three credit hours of Independent Study in one term.)
 - c) Students may present a maximum (total) of 12 credits in any combination of *Topics* courses (195, 295, 395, and 495) in any department. Should a course taken as a *Topics* course subsequently convert to a regularly offered course within that department, then that course will not be counted toward the 12-hour maximum under this provision.
 - d) Students may repeat certain courses for credit toward graduation. (See course description(s) and major requirements for limitations and specific information.)
 - e) Students may select any academic courses as electives provided all necessary prerequisites have been met.
6. All degree requirements must be completed according to the *Undergraduate Catalog* in effect at the time of admission or readmission. If a course necessary for the completion of the general education requirements/liberal learning curriculum should no longer be in the

Undergraduate Catalog, the student may appeal to the Undergraduate Degrees Committee to make an appropriate substitution. Such appeals must be received by the Undergraduate Degrees Committee prior to March 1 for students expecting to graduate in May or August and prior to November 1 for students expecting to graduate in December.

If a student elects to follow or declare a newer curriculum (catalog requirements) than those under which the student entered the University, a *Request to Move to New Catalog for Curriculum Requirements Form* must be filed with the Office of the Registrar. Should a student elect a newer curriculum they *are required to complete all* University degree and major requirements under the new requirements and may not return to the former catalog.

7. Bachelor of Science: Students pursuing the Bachelor of Science degree must complete the Investigating the Natural World Area of Inquiry requirement and one sequence from the list below. No more than three of the four B.S. degree lecture courses may be from the same discipline. No more than two laboratory courses may be from the same discipline. Departments may specify the particular sequence to be taken.

BIOL 107, 108, 109L

BIOL211/211L-212/212L

BIOL 211/211L-213/213L

CHEM 103/103L - 104/104L

CHEM 121/121L - 122/122L

PHYS 151/151L - 152/152L

PHYS 201/201L - 202/202L

8. Minimum Grade Requirements:

- a) Students must earn grades of C- or higher in ENGL 123 and ENGL 223. Note: Certain majors may require a higher grade in one or both of the courses for entrance into the major or to satisfy degree requirements associated with that major.
- b) The University minimum requires completion of the major field of study with a 2.00 (4.00 maximum) grade point average and no more than two grades below C-. Some majors require all courses within the major be completed with a grade of C- or higher, see individual department requirements for specifics of this higher standard.
- c) Any courses in which grades of D or F are earned may be repeated no more than twice (for a total of three enrollments). **Courses completed at CNU with a grade of D or F cannot be repeated at another institution.**
- d) Academic departments may dictate more stringent requirements. Refer to the appropriate academic department for specific degree studies or upper division requirements, major requirements and suggested electives.

9. Assessment Requirements: The University engages

in a number of assessment processes in order to gauge the effectiveness of its educational programs and administrative operations. These processes may require students to participate in examinations, surveys, interviews, or other information gathering activities that are not part of any specific course. Each student will be given at least a 10-day notification for any assessment and evaluation activity that requires scheduling prior to participation. The satisfactory completion of assessment and evaluation is a general requirement for graduation from the University.

10. Students are required to be enrolled in at least one CNU course during the semester of their degree conferral.
11. All students must complete the Second Language Literacy requirement (one 3-credit language course at the 200-level). Students may either transfer credit from another college or university for a 200-level (intermediate) language course or higher, or complete a 200-level course or higher at CNU. Placement recommendations and course offerings are listed under the Department of Modern and Classical Languages and Literatures.
12. Clarification regarding the Investigating the Natural World Area of Inquiry (AINW): To satisfy this requirement, two AINW lectures and one AINW lab that corresponds to one of the lectures must be completed.
13. Graduation with Honors

The minimum cumulative grade point averages required in order to graduate with Latin honors are:

<i>Cum Laude</i>	3.50 GPA
<i>Magna Cum Laude</i>	3.70 GPA
<i>Summa Cum Laude</i>	3.90 GPA

Students must earn at least 54 credit hours at CNU to be eligible for graduation with honors.

Note: Minimum requirements for Latin honors are not appealable.

ACADEMIC STANDARDS

A. Courses of instruction and how they appear:

1. Courses of instruction are found following departmental descriptions.
2. Departments appear in alphabetical order in this catalog. Course descriptions appear in sections beginning with "Curriculum in..."
3. Discipline is indicated by the four letters in front of a course number (e.g., PHYS) and department is the four-letter code in which a discipline is housed (e.g., PCSE). Some departments house several disciplines.

4. Within the course descriptions, courses numbered 100-200 series are primarily for freshmen and sophomores, 300-series for juniors, and 400-series for seniors.
 5. A continuous course sequence, indicated by a hyphen between course numbers (e.g., PHYS 201-202) covers a field of closely-related materials; and the first semester must precede the second, unless permission is granted by the appropriate academic department chair.
 6. If a course is made up of two closely related semesters and the second semester may be taken first, the course numbers are separated by a comma (e.g., ECON 201, 202).
 7. The three numbers enclosed in parentheses (4-2-6) following the course title have the following meanings:
 - the first number refers to the number of credit hours awarded for successful completion of the course;
 - the second number refers to the number of weekly lecture hours in the course;
 - the third number refers to the number of weekly laboratory, practicum, or studio hours in the course.
 - Example: a course designated as (4-2-6) refers to a four-credit course, which has two lecture hours and six laboratory/practicum /studio hours each week.
 8. If applicable, prerequisites and/or corequisites are listed. The student is responsible for having completed all prerequisites and corequisites as listed for courses in which the student enrolls.
 9. Following course prerequisites and/or corequisites is an indication of when that course is normally offered (e.g., fall, spring). If such designations do not appear, please consult with the appropriate department chair.
 10. Courses identified by WI: in the course title [e.g., BIOL 391. WI: Junior Seminar] are writing intensive and satisfy the writing intensive requirement.
 11. With appropriate approval, X99 independent study courses can be offered in any semester by all departments.
 12. With appropriate approval, X95 special topic courses can be offered in any semester by all departments. A course may be offered a maximum of three times as a special topic and then must be approved through the Undergraduate Curriculum Committee under an approved course number.
- B. A major must consist of a minimum of 30 semester hours and a maximum of 42 semester hours in the discipline.**

Introductory (100- and 200- level) courses need not be counted in the 42-hour maximum requirement, at the discretion of the department housing the major. Although students may take more than 42 hours in the major field, a department may not require more than this number unless the University has approved an exception for the program, as in instances where accreditation may require more hours.

- C. **The minor** must include from 15 to 21 credit hours of course work above the 100-level, as determined by the department of the minor field.
- D. **Area of Inquiry Courses (A of I):** The A of I designation will typically not be applied to a course completed prior to the course's designation as an Area of Inquiry.
- E. **Writing Intensive Courses:** Successful completion of ENGL 123 and 223 (each with a grade of C- or higher), are required as a prerequisite to all 300- and 400-level (WI) writing intensive courses.

Liberal Learning Core Curriculum (*prerequisites must be met*) **40 hours minimum**

I. Liberal Learning Foundations¹ **(21 hours minimum)**

The foundations are designed to introduce students to the expectations and habits of mind that are hallmarks of university life, as well as to ensure their ability to communicate effectively, solve problems and interpret and evaluate information.

- **Written Communication Literacy (completed with a grade of C- or higher)** **(6 hours)**
 These courses introduce students to the conventions of academic writing, including assessment and use of sources, as well as the aims and practice of argument. Liberal Learning Foundation Writing requirement: LLFW
 - 1st year: ENGL 123* First-Year Writing Seminar
 - 2nd year: ENGL 223 Second-Year Writing Seminar

- **Second Language Literacy-(completed at the 200-level or higher**²) **(3 hours minimum)**
 Modern languages students develop communicative competence in reading, writing, listening and speaking; ancient languages students learn to comprehend and critically analyze primary sources.
 - All students must successfully complete a 200-level language course or higher in a second language, or the equivalent, in order to graduate
 - See the *Modern Languages and Literature* section for information on placement, equivalencies and exemptions

- **Mathematical Literacy** (*prerequisites must be met*) **(6 hours minimum)**
 These courses introduce students to basic manipulative skills, elementary algorithms and the role of mathematics in modeling and understanding real world phenomena. Liberal Learning Foundation Mathematics requirement: LLFM
 - MATH 115* Contemporary Mathematics
 - MATH 120* The Saga of Mathematics
 - MATH 125* Elementary Statistics
 - MATH 127* Elementary Cryptography
 - MATH 128* Introduction to Mathematical Programming
 - MATH 130 Precalculus
 - MATH 131* Mathematics for the Life Sciences
 - MATH 135 Calculus for Business and the Social Sciences
 - MATH 140 Calculus and Analytical Geometry
 - MATH 148 Accelerated Calculus
 - or a Mathematics course above 148

- **Logical Reasoning** **(3 hours minimum)**
 These courses teach students to identify, analyze and apply the formal elements of inductive and deductive logic. Forms of inductive logic include arguments from analogy and causal and statistical inferences; forms of deductive logic include syllogisms and arguments from contradictions. Liberal Learning Foundation Logical Reasoning requirement: LLFR
 - COMM 239* Argumentation
 - CPSC 110* Introduction to Computing
 - CPSC 140* Introduction to Computer Programming with Multimedia
 - CPSC 150* Computers and Programming I
 - PHIL 101* Critical Thinking
 - PHIL 205* Anatomy of Thought
 - PHIL 207* Ethical Issues in Business: A Critical Thinking Approach

- **Economic Modeling and Analysis** **(3 hours minimum)**
 These courses use the concept of opportunity cost to identify a tradeoff of a decision, compare marginal cost and marginal benefits of a decision, use the model of supply and demand to illustrate one immediate and one secondary effect of a public policy, and collect and explain data as an indicator of an economy. Liberal Learning Foundation Economic Modeling and Analysis requirement: LLFE
 - ECON 200* The Economic Way of Thinking
 - ECON 201* Principles of Macroeconomics
 - ECON 202* Principles of Microeconomics

II. Liberal Learning Areas of Inquiry (A of I) (19 hours minimum distributed as stated below)

The Liberal Learning Areas of Inquiry introduce students to various modes of inquiry so that they may comprehend a range of scholarly approaches to knowledge and learning; these include the following: the historical and philosophical traditions that have shaped the Western world, the rights and responsibilities of citizens in a democracy, the interrelations within and among global and multicultural communities, the dynamics of the creative process, and the scientific method.

Only one three credit course in the discipline of the major may be presented to satisfy the A of I requirements. No more than eight hours across the Areas of Inquiry may be taken from one single discipline to satisfy the A of I requirement. *Discipline is indicated by the four letters in front of a course number (e.g., PHYS) and department is the four-letter code in which a discipline is housed (e.g., PCSE). Some departments house several disciplines.*

The A of I designation will typically not be applied to a course completed prior to the course's designation as an Area of Inquiry.

• Civic and Democratic Engagement (AIDE) (3 hours minimum)

These courses engage students in the examination of the rights and responsibilities of citizens in a democracy by exposing them to America's founding principles. Students explore and critically analyze the texts and documents central to the American experience, the structure of American civic and democratic institutions, historical and contemporary debates and the people who engage in them, and the political systems that frame constitutional democracies.

AMST 100*	HIST 121*	POLS 101*
AMST 120*	HIST 210	POLS 240*
COMM 305*		

• Creative Expressions (AICE) (3 hours minimum)

These courses focus on the human drive for creativity and self-expression in a wide range of forms and over a wide variety of cultures. Students examine creative works both structurally and within a larger context; they may also produce works of creative expression.

CLST 103	ENGL 250*	FNAR 333	MLAN 203*	MUSC 117	THEA 230*
CLST 271	ENGL 256*	FNAR 371	MLAN 207*	MUSC 204	THEA 250*
CLST 272	ENGL 304W	FNAR 372	MLAN 310	MUSC 205	THEA 352
CLST 311	ENGL 365W	FNAR 373		MUSC 214*	THEA 355
CLST 312		FNAR 374	MUSC 100	MUSC 315	THEA 365W
	FNAR 128*	FNAR 375	MUSC 101		
COMM 232	FNAR 201*	FNAR 376	MUSC 102	PHIL 306	
	FNAR 202*	FNAR 378	MUSC 103	RSTD 312	
DANC 204*	FNAR 204	FNAR 379	MUSC 105	SPAN 471	
DANC 205*	FNAR 205*	FNAR 380	MUSC 106		
DANC 206*	FNAR 241	FNAR 381	MUSC 112	THEA 150*	
ENGL 215	FNAR 331		MUSC 114	THEA 210*	
	FNAR 332				

• Global and Multicultural Perspectives (AIGM) (3 hours minimum)

These courses probe conflicts and creative resonances shaped by cultural difference, as well as bridges built by shared understanding. Courses consider culture in terms of race, gender, ethnicity, religion, class, sexual orientation, or national origin; they examine strategies of negotiation, resistance, or assimilation as these cultures interact with society's dominant structures.

AMST 300	DANC 260*	HIST 112*	MLAN 371	RSTD 211*	SOCL 325
ANTH 203*	DANC 360	HIST 212	MUSC 306	RSTD 218*	SOCL 330
ANTH 309	ENGL 310	IDST 205*		RSTD 260*	SOCL 377
ANTH 325	ENGL 313	IDST 255*	PHIL 201*	RSTD 270*	
ANTH 330	ENGL 320W	IDST 267*	PHIL 252*	RSTD 335	SPAN 351
ANTH 377			PHIL 305	RSTD 345	SPAN 352
CLST 415W	FREN 353	LDSP 330	PHIL 344	RSTD 366	
		MLAN 220	PHIL 349		
COMM 340	HIST 111*	MLAN 308	RSTD 210	SOCL 201*	
				SOCL 309	

• Investigating the Natural World (AINW) (7 hours minimum)

These courses introduce students to natural sciences in the modern world. Both lecture and laboratory courses focus on how science is conducted and how scientific knowledge advances in individual fields. Students in these courses will understand the process by which scientists gain knowledge about objects, phenomena, the laws of nature and the laws of the physical world. Natural sciences study the physical world and its phenomena.

Two lectures and one lab that corresponds to one of the lectures is required. If the catalog does not require a lab and lecture corequisite, the lab may be taken any semester.

ANTH 200*	CHEM 103/103L*	PHYS 141/105L*	PSYC 201*
BIOL 107/109L*	CHEM 104/104L	PHYS 142/105L*	
BIOL 108/109L*	CHEM 110*	PHYS 143/105L*	
BIOL 111/109L*	CHEM 121/121L*	PHYS 144/105L*	
BIOL 113/109L*	CHEM 122/122L	PHYS 151/151L*	
BIOL 115/109L*		PHYS 152/152L	
	GEOG 211	PHYS 201/201L	
		PHYS 202/202L	

• Western Traditions (AIWT) (3 hours minimum)

These courses explore the defining ideas, cultural perspectives, and patterns of thought that have evolved in Europe throughout its history as well as in the Americas after 1500. The courses highlight important characteristics of Western societies and situate these developments within a broad and meaningful context. Students are encouraged to grapple with the original thinkers of the West through the study of primary texts (such as literary works, historical documents, theoretical essays, and works of art and music). Therefore, students will meaningfully engage with key elements of the Western Tradition and understand its manifold influences on our modern cultures today.

AMST 200*	COMM 249*	HIST 122*	MUSC 262	RSTD 212*	SPAN 353
		HIST 213		RSTD 232*	SPAN 354
CLST 101*	ECON 320	HIST 214	PHIL 202*	RSTD 236*	SPAN 472
CLST 201*		HIST 349	PHIL 215*	RSTD 265*	
CLST 211*	ENGL 105*		PHIL 317	RSTD 321	
CLST 212*	ENGL 216*		PHIL 319	RSTD 330	
CLST 301	ENGL 271	IDST 240*	PHIL 320	RSTD 350	
CLST 302	ENGL 381		PHIL 384	RSTD 361	
CLST 313		MLAN 205*		RSTD 362	
CLST 414	FREN 354	MLAN 206*			

III. Writing Intensive

Completion of two 300- or 400-level courses that are designed as writing intensive (WI); prerequisites must be met.

Writing intensive courses focus on writing as an ongoing process where improvement is gained through informal and formal preparatory activities, multiple drafts, and revisions. Students in these courses practice the skills and strategies necessary to craft sophisticated written products for defined audiences, communicate subject-specific concepts clearly, receive continual and diverse forms of feedback and transfer writing skills to advanced content courses in the major.

IV. Major and Elective Studies

80 hours minimum

Courses drawn from major and elective studies must be used to complete all remaining requirements of a baccalaureate degree program offered by Christopher Newport University. In addition to completing these requirements as specified by the appropriate department, the *total number of credits applied toward a degree must be at least 120 credit hours.*

Total number of credits applied toward the undergraduate degree must be at least 120 credit hours

* Indicates NO prerequisite

1 Foundation courses may NOT be used to satisfy the A of I requirements.

2 Second Language Literacy is a graduation requirement for all students.

COLLEGE OF ARTS AND HUMANITIES

Dr. Lori Underwood, Dean
McMurrin Hall 303
(757) 594-7052
underwoo@cnu.edu

English
Fine Art and Art History
History
Modern and Classical Languages and Literatures
Music
Philosophy and Religion
Theater and Dance

COLLEGE OF NATURAL AND BEHAVIORAL SCIENCES

Dr. Nicole Guajardo, Dean
Forbes Hall 3035
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Mathematics
Molecular Biology and Chemistry
Organismal and Environmental Biology
Physics, Computer Science and Engineering
Psychology

COLLEGE OF SOCIAL SCIENCES

Dr. Quentin Kidd, Dean
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qkidd@cnu.edu

Communication
Economics
Leadership and American Studies
Military Science
Political Science
Sociology, Social Work and Anthropology

JOSEPH W. LUTER, III SCHOOL OF BUSINESS

Dr. George H. Ebbs, Dean
Luter Hall 114
(757) 594-7184
george.ebbs@cnu.edu

Accounting and Finance
Management and Marketing

AFRICAN-AMERICAN STUDIES

Dr. Patricia D. Hopkins, Director
 McMurrin Hall 233
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 patricia.hopkins@cnu.edu

The Minor Program in African-American Studies (18 credits)

The minor in African-American studies provides students with a focused understanding of the vital role of African-American culture and contributions in American life.

The interdepartmental and interdisciplinary features of the program allow for a broad and varied exposure to North American Black culture, economics, politics, and history from Africa to the Americas. Students will acquire a basic knowledge of the African-American experience by understanding that the racial system of the United States was never simply black and white. Through the prism of black experiences, the courses shed light on general principles of cultural pluralism, racial diversity, and social stratification in the U.S. and other national and transnational contexts relevant to the black diaspora. Race is not something that affects only racial minorities, for everyone in this country is viewed through the prism of ideas about race. The African-American studies minor's teaching places a special emphasis on reaching out beyond those who make the field the focus of their study.

The course offerings are designed for a broad student constituency interested in learning about Black experiences and honing skills in critical thinking and effective writing. The African-American studies minor pairs well with all majors. Consequently, everyone who has an interest is not only invited to take on the minor, but strongly encouraged.

Program Objectives:

1. Underscore the contributions of people of African descent to American history and emphasize the importance of diversity in American culture.
2. Cultivate students' ability to think critically, to express themselves effectively, and to respect cultural and gender diversity.

Program Requirements:

Students should work with the director to complete program.

1. A minimum of 18 credits as listed below are needed to complete the minor; four courses (12 of the 18 credits) must come from courses at the 300- or 400-level.
2. Core requirement: ENGL 345 or HIST 349 and one additional core course (3 credits);
3. Three additional courses (9 credits) from electives;

4. One course (3 credits) from either the core or electives;
5. Courses from three different disciplines must be represented in the 18 credits;

THE CURRICULUM IN AFRICAN-AMERICAN STUDIES

The following course descriptions appear in appropriate sections throughout the catalog.

Core

- ENGL 345 African-American Literature and Culture
 HIST 349 The Rise and Fall of American Slavery
 HIST 355 Civil War and Reconstruction
 HIST 341 The Long Civil Rights Movement
 PHIL 252 African Philosophy
 SOCL 316 Racial and Ethnic Relations

Elective

- ANTH 330 Language and Culture
 SOCL 330 Language and Culture
 ENGL 342 Financial Fictions and the Rise of Realism
 ENGL 343 Postmodern America
 ENGL 346 Black Presence and Presentation on the American Stage
 ENGL 381 The Roaring Twenties: Film, Literature, and Drama of the Jazz Age
 FNAR 380 Caribbean Art
 FNAR 381 African Art
 HIST 357 Twentieth Century American, 1920-1960
 HIST 370 Twentieth Century Africa
 MUSC 408 Jazz History and Literature
 POLS 204 Hate Crime Realities and Consequences
 POLS 316 Constitutional Law
 SOCL 205 Identity, Community, and the Individual
 SOCL 303 The Family in Transition
 SOCL 304 Socialization and Society

ASIAN STUDIES

Dr. Jonathan M. Smith, Director

McMurrin Hall 165

(757) 594-8762

jonathan.smith@cnu.edu

The Minor Program in Asian Studies (18-21 credits)

Asia is far and away the world's largest land mass both in geographic and demographic terms. Its consideration as a unit, apart from and opposed to Europe and the West, is due to historical and cultural factors. In reality, Asia is home to tremendous cultural, religious, linguistic, political and environmental diversity. The continent's historical position is also unique: Asia gave rise to some of the earliest civilizations, while China and India remained the world's economic centers throughout most of the Common Era.

Recent decades have seen the reemergence of Asian societies on the global political and economic scene, a trend likely to continue in coming years. CNU's minor in Asian Studies aims to offer interested students a structured overview of the cultures, economies, histories, philosophies, politics and religions of East, South and Southeast Asia. Students may take individual courses without committing to the entire program.

Program Objectives:

1. Provide an Asia-focused area studies minor combining the structured overview of an introductory course with the depth offered in more specialized and advanced courses.
2. Complement work done in the student's major by offering a focus on Asia that is otherwise unavailable.
3. Formally document a student's concentrated study of Asia.
4. Assist students with interest in Asia by integrating all relevant coursework and providing Asia-focused extra-curricular and study abroad opportunities.

Program Requirements:

1. CHIN 101(or its equivalent) or other Asian language approved by the director. Native speakers of an Asian language may have this requirement waived at the discretion of the director.
2. IDST 205.
3. CHIN 102 or higher. A 102 level course in another Asian language may be approved by the director. Students who fulfill this requirement in a language new to them via an independent study must complete the equivalent of two semesters (six credits) even if the independent study is at the 300 or 400 level. Native speakers of an Asian language should meet with the director.
4. Four program electives (12 credits) from the following approved list. Courses must be from three different disciplines (course prefix). **ANTH/SOCL prefixes count as one discipline.**

5. Certain independent study, special topics and Honors courses focusing on Asian topics may count toward the minor as determined by the director.
6. Students must consult the director on matters of course selection and advising.

THE CURRICULUM IN ASIAN STUDIES

IDST 205. Introduction to Asian Studies (3-3-0) AIGM [formerly ASIA 201, equivalent]

A broad introduction to the cultures, economics, histories, politics, and religions of East, South, and Southeast Asia, from ancient times to the modern day. This course is required for students in the Asian studies minor, but is open to all interested students.

Core

CHIN 101	Beginning Chinese I
CHIN 102	Beginning Chinese II
IDST 205	Introduction to Asian Studies

Electives

The following course descriptions appear in appropriate sections throughout the catalog.

ANTH/SOCL 309	The Refugee Experience*
ANTH/SOCL 330	Language and Culture*
ANTH 365	Case Study in Culture*
CHIN 201	Intermediate Chinese I, or higher^
FNAR 374	Asian Art
HIST 360	History of Traditional East Asia
HIST 367	Modern Chinese History
HIST 368	Modern Japanese History
HIST 405	Law and Justice in Chinese History
HIST 466	Society and Culture in Chinese History
PHIL 344	Yoga: Philosophy and Practice
PHIL 348	Asian Philosophy
POLS 353	East Asian Politics
RSTD 211	Religions of the East
RSTD 220	The Vision of Hinduism
RSTD 260	The Vision of Buddhism
RSTD 330	The Mystic Quest
RSTD 366	Bhagavad Gita and Sacred Hindu Texts

*by permission of the Director

^if not used to fulfill program requirement #3

DEPARTMENT OF MOLECULAR BIOLOGY AND CHEMISTRY

Dr. Christopher Meighan, Chair

Forbes Hall 3022B

(757) 594-8255

christopher.meighan@cnu.edu

Faculty

Professor: Abdel-Fattah, Brunke

Associate Professor: J. M. Carney, Grau, Klein, Meighan, Mitrano, Patterson, Webb

Assistant Professor: Bogenpohl, K. Cole, Gruber, Knies, Quinlan, Wiens

Senior Lecturer: Brown

Lecturer: Harris, Knight, Lassetter, Liskin, Shima Tombolato-Terzić

Emeriti: Chang, Hammer, Sacks

Mission Statement

The Department of Molecular Biology and Chemistry (MBCH) will develop a meaningful level of scientific literacy in all students through exploration of fundamental concepts and processes of the natural world. Majors build upon this foundation and gain the necessary background, understanding, and experience to be successful in the fields of biology, chemistry and biochemistry; this is achieved through coursework complemented by research and independent study opportunities. The MBCH faculty members are actively engaged in quality teaching, research, mentoring and service. These traditions provide the model for our goal to instill motivation, intellectual drive, dedication, integrity, and professionalism in all of our graduates.

The aims of the curriculum and faculty in the Department of Molecular Biology and Chemistry are to acquaint students with the body of knowledge in these disciplines and to teach them to apply this knowledge usefully and responsibly. Coursework includes discussion of historical and philosophical developments of biology and chemistry. The biology program is organized to enable majors to survey the entire field of biology and also to focus in one of a number of areas including molecular biology, cellular biology, microbiology, physiology and genetics. The chemistry program allows the major student to develop a solid foundation in the core areas of chemistry and provides upper-level coursework in more specialized areas such as biochemistry and environmental, atmospheric, and advanced organic chemistry. Both programs offer excellent preparation for one of the many health professional programs.

The department offers two degrees: the Bachelor of Science in biology and the Bachelor of Science in chemistry. Within the Bachelor of Science in biology there are four possible majors and within the Bachelor of Science in chemistry there are two possible majors. Additional information about the department, the degrees offered, and other opportunities can be obtained from the department office or the department website at mbch.cnu.edu.

Note that the Department of Organismal and Environmental Biology offers the Bachelor of Arts in biology. Additional biology courses and more details on the environmental biology and organismal biology majors can be found in the Department of Organismal and Environmental Biology section.

Health-Related Professions

The CNU Pre-med and Pre-health Program can help students from any academic major prepare for application to medical school and other health profession programs. Many students find that a biology or chemistry major provides excellent preparation for these career choices. The program offers a variety of resources, such as academic and career advising, mentoring, clinical internship opportunities, workshops and seminars to help any highly motivated student gain admission to the professional school of her or his choice. Additional information can be obtained at prehealth.cnu.edu or by contacting the Director of Pre-health Programs, Dr. Gwynne D. Brown, at (757) 594-8255 or gwynne.brown@cnu.edu.

The Bachelor of Arts Degree in Biology

The Bachelor of Arts degree in biology, which is overseen by the Department of Organismal and Environmental Biology, requires a minimum of 35 credits in biology. Students may present no more than two biology courses with grades lower than C- for the degree.

In addition to the successful completion of the liberal learning curriculum and the Senior Assessment Test in Biology, the Bachelor of Arts degree in biology requires the successful completion of:

1. **Biology Core***: BIOL 211/211L-212/212L- 213/213L, 391W, 491W;
2. CHEM 103/103L-104/104L*;
3. MATH 125 and 130 or higher;
4. 21 credits of biology courses with a minimum of four credits chosen from each of the required course lists: cellular, molecular & physiological biology major, environmental biology major, organismal biology major. At least three of the courses taken must have a laboratory component. Only three of those credits can be at the 200-level.

* The biology degree requires that students have a C or better in BIOL 211/211L-212/212L-213/213L and a C- or higher in BIOL 391W and 491W and CHEM 103/103L-104/104L.

The Bachelor of Science Degree in Biology

The Bachelor of Science degree in biology requires a minimum of 35 credits in biology. In the B.S. in biology, students must choose a major. Three of the majors build upon introductory biology and chemistry courses in a specific area of focus: cellular, molecular and physiological biology; environmental biology; and organismal biology. The fourth major, integrative biology, allows students to continue to build upon the breadth of the foundation courses at the upper level.

Students may present no more than two biology courses with grades lower than C- for the degree. **Earning a double major within the Bachelor of Science degree in biology is not possible.**

In addition to successful completion of the liberal learning curriculum and completion of the Senior Assessment Test in Biology, the Bachelor of Science degree in biology requires successful completion of the following courses:

The Major in Cellular, Molecular and Physiological Biology

1. Biology Core*: BIOL 211/211L-212/212L-213/213L, 391W, 491W;
2. CHEM 121/121L-122/122L*, 321/321L-322/322L;
3. MATH 125 and 130 or higher;
4. PHYS 151/151L-152/152L;
5. 21 credits of biology courses, only three of those credits can be at the 200-level. Of these 21 credits at least 15 must come from the following courses, and three of these courses must have a laboratory component: BIOL 301/301L, 307/307L, 313, 314/314L, 315/315L, 412/412L, 420/420L; and BCHM 414/414L**, 415/415L.

* The biology degree requires that students have a C or higher in BIOL 211/211L-212/212L-213/213L and a C- or higher in BIOL 391W and 491W and CHEM 121/121L-122/122L.

**BCHM 414/414L is equivalent to both BIOL 414/414L and CHEM 414/414L; credit can be given for only one set of these courses.

The Major in Environmental Biology

See catalog description for Department of Organismal and Environmental Biology

The Major in Integrative Biology

See catalog description for Department of Organismal and Environmental Biology

The Major in Organismal Biology

See Catalog description for Department of Organismal and Environmental Biology

The Minor in Biology (27 Credits)

A minor in biology requires BIOL 211/211L-212/212L-213/213L all with a grade of C or higher, (requires the

completion of CHEM 103/103L-104/104L or CHEM 121/121L-122/122L) and a minimum of seven BIOL credits at the 300- or 400-level, including one course with a laboratory component.

The Bachelor of Science Degree in Chemistry

For the Bachelor of Science degree in chemistry, students can choose a major in either chemistry or biochemistry. The B.S. in chemistry requires a minimum of 41 credits above the 100-level. Majors should select, with the aid of their advisor, electives from chemistry and university courses as appropriate for their interests and goals.

The Major in Chemistry

In addition to the liberal learning curriculum, successful completion of the Bachelor of Science degree in chemistry requires successful completion of the following courses:

1. CHEM 121/121L-122/122L;
2. MATH 140 or 148 and 240;
3. PHYS 201/201L-202/202L.
4. CHEM 321/321L-322/322L;
5. CHEM 341-342/342L;
6. CHEM 361/361L;
7. CHEM 445/445L;
8. CHEM 401/401L;
9. CHEM 391W;
10. CHEM 492W;
11. Select 6 additional credits of CHEM at the 300- or 400-level.

The Major in Biochemistry

In addition to the liberal learning curriculum, successful completion of the Bachelor of Science degree in chemistry with a major in biochemistry requires successful completion of the following courses:

1. CHEM 121/121L-122/122L;
2. BIOL 211/211L;
3. MATH 140 or 148 and 240;
4. PHYS 201/201L-202/202L;
5. CHEM 321/321L-322/322L;
6. CHEM 341;
7. CHEM 361/361L;
8. CHEM 391W;
9. BCHM 414/414L, 415/415L;
10. BIOL 307/307L, 313, 412/412L.

The Minor in Chemistry (23 Credits)

A minor in chemistry requires CHEM 121/121L-122/122L, 321/321L-322/322L and at least seven additional credit hours in chemistry at the 300- or 400-level.

Five-Year Program: Master of Science in Environmental Science

The Master of Science in environmental science is designed for current and prospective students in the new,

rapidly growing field of environmental monitoring and conservation. This five-year program leads to both a Bachelor of Science in biology or chemistry and a Master of Science in environmental science and provides a solid background in ecological and environmental conservation theory.

This degree program is flexible enough to fit the interest and needs of a wide variety of students and is designed for students planning to pursue a Ph.D., teachers desiring a Master of Science in a biological science, and students interested in careers involving environmental assessment, monitoring, or conservation.

How and When to Apply

After completion of 65 credit hours of undergraduate study, the application to the Five-Year B.S./M.S. Program is submitted no later than February 1 of the junior year. Applications for admission to the Five-Year Program are available from cnu.edu/admission/graduate/fiveyear. Formal acceptance by the Office of Graduate Studies will constitute admission to the Master of Science in environmental science program as long as the student has the required 3.00 GPA upon undergraduate graduation.

Requirements for Admission

Criteria for student admission into the five-year program:

1. Undergraduate cumulative GPA of 3.00 or higher.
2. GPA in the student's major of at least 3.00.
3. Submission of one of the following:
 - a. A minimum SAT Score of 1100 with a minimum of 530 in the verbal and quantitative sections (must be less than five years old);
 - b. A Graduate Record Examination (GRE) General Test score of at least 295 for the verbal and quantitative sections combined. It is highly desirable to have a reasonably balanced score between the verbal and quantitative sections.
 - c. Two letters of recommendation. One must be from a faculty member in the major who has taught or mentored the student in a major course or research project.

More information about this program can be found at gradstudies.cnu.edu.

Teacher Preparation in Biology

Those students who wish to become teachers may apply to the Five-Year Master of Arts in Teaching (M.A.T.) Program as an undergraduate or after completion of a bachelor's degree in biology. Application to the Five-Year Program must be made in the spring of the junior year. See the *Graduate Catalog* for application instructions and requirements. Students will earn a bachelor's degree in biology during the first four years and complete an additional year of study leading to the M.A.T. degree. Students majoring in biology can prepare to teach all core subjects of elementary school, pre-kindergarten through grade six; students earning a B.S. in biology can prepare to teach in the content area of biology

in secondary school grades six through 12. Students accepted into this program must complete one of the following tracks for graduation with the bachelor's degree:

Elementary level (PK-6) Track

Major courses required:

See major requirements for the B.A. or B.S. in Biology.

Support courses required:

- ENGL 123, 223; 310 or 430, and 316;
- COMM 201 or THEA 230;
- CPSC 110;
- MATH 109, 125;
- HIST 111, 121, 122;
- POLS 101;
- GEOG 210;
- PSYC 208, 312;
- SOCL 314/314L;
- BIOL 107 or 108; CHEM 103; PHYS 141; PHYS 105L or BIOL 109L;
- NSCI 310;
- and other support courses for the B.A. or B.S. degree in biology.

* Support courses may change based on regulations from the Virginia Department of Education.

Graduate courses* required (senior year):

Select six credits from a), b), or c):

- a) MATH 570;
- b) PSYC/TCHG 544;
- c) MLAN 511 or ENGL 530.

Secondary level (6-12) Track

Major courses required:

1. BIOL 211/211L, 212/212L, 213/213L, 391W, 491W;
2. BIOL 313;
3. BIOL 407/407L;
4. Fifteen additional BIOL credits at the 200-400 level are required. Twelve of these credits must be at the 300-/400-level and must have laboratory components. (BIOL 215 and 314/314L, or BIOL 420/420L are recommended for all secondary biology teachers.)

Support courses required:

CHEM 121/121L, 122/122L; 321/321L, 322/322L; CPSC 210; COMM 201 or THEA 230; PHYS 151/151L, 152/152L; MATH 125 and 130 or higher; PSYC 207 or 208, 312; SOCL 314/314L.

Graduate courses* required (senior year):

Select six credits: ENVS 510/510L, 518, 522, 530, 532/532L, 536/536L, 540/540L, 550, 590 or 595.

* See the graduate catalog for course descriptions.

Teacher Preparation in Chemistry

Those students who wish to become teachers should apply to the Five-Year Master of Arts in Teaching (M.A.T.) program. Application to the program must be made in the

spring of the junior year. See the *Graduate Catalog* for application instructions and requirements. Students will earn a B.S. in chemistry during the first four years and complete an additional year of study leading to a M.A.T. degree. Students majoring in chemistry can prepare to teach all core subjects of elementary school, pre-kindergarten through grade six, or in the content area of chemistry of secondary school, grade six through 12. Students accepted into this program must complete one of the following tracks for graduation with the bachelor's degree:

Elementary level (PK – 6)

Major courses required:

See major requirements for the B.S. in chemistry.

Support courses required:

- ENGL 123, 223; 310 or 430, and 316;
- COMM 201 or THEA 230;
- CPSC 110;
- MATH 109, 125;
- HIST 111, 121, 122;
- POLS 101;
- GEOG 210;
- PSYC 208, 312;
- BIOL 107 or 108; CHEM 103; PHYS 141; PHYS 105L or BIOL 109L
- SOCL 314/314L;
- NSCI 310;
- and other support courses for the B.S. degree in chemistry.

* Support courses may change based on regulations from the Virginia Department of Education.

Graduate courses* required (senior year):

Select six credits from a), b), or c):

- a) MATH 570;
- b) PSYC/TCHG 544;
- c) MLAN 511, ENGL 530.

Secondary level (6 -12)

Major courses required:

See major requirements for the B.S. in chemistry.

Support courses required:

BIOL 107 or 108, or higher; PHYS 201/201L, 202/202L; MATH 125,140 or 148 and 240; CPSC 110; PSYC 207 or 208 and 312; COMM 201 or THEA 230; SOCL 314/314L.

Graduate courses* required (senior year):

Select eight credits from CHEM 5xx (except CHEM 545). Graduate CHEM electives must include 543, 540, or 565 unless taken at the 400-level.

* See the graduate catalog for course descriptions.

THE CURRICULUM IN BIOLOGY

BIOL 107. General Biology I (3-3-0) AINW

Fall, Summer.

Does not count toward any biology major degree program. BIOL 107 is managed and taught by the OENB Department. First semester of introductory biology sequence for nonmajors; major topics covered are ecology, genetics, evolution, and diversity.

BIOL 108. General Biology II (3-3-0) AINW

Spring, Summer.

Does not count toward any biology major degree program. BIOL 108 is managed and taught by the OENB Department. Second semester of introductory biology sequence for nonmajors; major topics covered are energy metabolism, cell biology, biotechnology, plant biology, and animal biology.

BIOL 109L. General Biology Laboratory (1-0-2) AINW

Fall, Spring and Summer.

Pre or Corequisite: BIOL 107 or 108 or 111 or 112 or 113 or 115.

Does not count toward any biology major degree program. BIOL 109L is managed and taught by the OENB Department. Laboratory exercises to accompany any BIOL-AINW Area of Inquiry course. Lab fees apply each term.

BIOL 113. Topics in Medicine and Health (3-3-0) AINW

Does not count toward any biology major degree program. Through a biomedical topic, this Area of Inquiry course will examine the process of science, history of science, and how science affects contemporary thought and society. The particular topics covered will vary each semester.

BIOL 195. Special Topics (credits vary 1-3)

Topics vary, determined by the special interests and needs of students and the expertise of faculty. May require prerequisites as set by instructor.

BIOL 211. Principles of Biology I (3-3-0)

Pre or Corequisite: CHEM 103/103L or 121/121L.

Restricted to students in biology, biochemistry and neuroscience degree programs.

BIOL 211 is managed and taught by the MBCH Department. Principles of Biology I is the first course in the three course sequence for students seeking degrees in biology. This course introduces fundamental chemical concepts to allow discussion of the composition and functioning of cells. Topics include respiration, photosynthesis, Mendelian genetics, DNA replication, and gene functioning.

BIOL 211L. Principles of Biology I Laboratory (1-0-4)

Pre or Corequisite: BIOL 211.

Restricted to students in the biology degree programs.

BIOL 211L is managed and taught by the MBCH Department. Principles of Biology I Lab is the laboratory component of the first course in the three course sequence for students seeking degrees in biology. This course introduces students to basic laboratory techniques and fundamental cellular and molecular topics. Lab fees apply each term.

BIOL 212. Principles of Biology II (3-3-0)

Prerequisite: BIOL 211/211L with a C or better and CHEM 103/103L or 121/121L with a C- or higher; or EVST 220.

Restricted to students in biology degree programs.

BIOL 212 is managed and taught by the OENB Department. Principles of Biology II is the second course in the three course sequence for students seeking degrees in biology. This course introduces evolutionary and ecological topics as well as provides an overview to the diversity of life.

BIOL 212L. Principles of Biology II Laboratory (1-0-4)

Pre or Corequisite: BIOL 212. Restricted to students in the biology degree programs.

BIOL 212L is managed and taught by the OENB Department. Principles of Biology II Lab is the laboratory component of the second course in the three course sequence for students seeking degrees in biology. This course covers evolutionary, diversity, and ecological topics by way of in-class and in-the-field exercises. As per instructions given in class students should expect to be in the field for some lab activities. Lab fees apply each term.

BIOL 213. Principles of Biology III (3-3-0)

Prerequisite: BIOL 212/212L with a C or higher and CHEM 104/104L or 122/122L with a C- or higher. Restricted to students in the biology degree programs.

BIOL 213 is managed and taught by the OENB Department. Principles of Biology III is the third course in the three course sequence for students seeking degrees in biology. This course covers form and function of botanical and zoological organisms in some detail.

BIOL 213L. Principles of Biology III Laboratory (1-0-4)

Pre or Corequisite: BIOL 213. Restricted to students in the biology degree programs.

BIOL 213L is managed and taught by the OENB Department. Principles of Biology III Lab is the laboratory component of the third course in the three course sequence for students seeking degrees in biology. This course covers aspects of the form and function of botanical and zoological organisms by way of in-class and in-the-field exercises. Lab fees apply each term.

BIOL 271. Medical Terminology (3-3-0)

May term only.

This course is designed to provide the student with an understanding of the terminology used in medicine. The course covers the definitions, spelling, pronunciation, usage, abbreviations, and origins of a wide range of medical terms, generally organized by anatomical organ systems and medical specialties.

BIOL 295. Special Topics (credits vary 1-6)

Fall and Spring.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. Biology majors may apply no more than nine credits in elementary, intermediate, or advanced topics toward graduation. May require prerequisites as set by instructor.

BIOL 301. Microbiology (4-3-0)

Prerequisites: BIOL 213/213L with a C or better.

Corequisite: BIOL 301L.

Fall.

Introduction to the morphology, physiology, and genetics of bacteria, fungi and viruses.

BIOL 301L. Microbiology Laboratory (0-0-4)

Corequisite: BIOL 301.

Fall.

Lab fees apply each term.

BIOL 307. Cell Biology (3-3-0)

Prerequisites: BIOL 213/213L with a C or better; or CHEM 321/321L and NEUR 301/301L and 305; or BIOL 211 and CHEM 322/322L.

Fall.

Physiology at cellular levels of organization: cell structure and function, enzyme action, cell energy transformations, cell regulatory processes, and cell differentiation.

BIOL 307L. Cell Biology Laboratory (1-0-4)

Pre or Corequisite: BIOL 307.

Fall.

Lab fees apply each term.

BIOL 313. Genetics (3-3-0)

Prerequisites: BIOL 213/213L with a C or better; or CHEM 321/321L and NEUR 301/301L and 305; or BIOL 211 and CHEM 322/322L.

Fall.

Mechanisms of inheritance, mutation, recombination, genetic expression, and regulation at all levels of biological organization.

BIOL 314. Human Anatomy and Physiology I (3-3-0)

Prerequisites: BIOL 213/213L with a C or better; or CHEM 321/321L and NEUR 301/301L and 305.

Corequisite: BIOL 314L.

Fall.

A study of the structure and function of the human body that includes concepts of relevant cellular and molecular biology and histology before investigating the major organ systems. Systems included in this course are: integumentary, skeletal, muscular, nervous, sensory, and endocrine.

BIOL 314L. Human Anatomy and Physiology I Laboratory (1-0-4)

Pre or corequisite: BIOL 314.

Fall.

Course includes dissection of preserved animals and animal organs. Students are responsible for providing their own dissection tools. Lab fees apply each term.

BIOL 315. Human Anatomy and Physiology II (3-3-0)

Prerequisite: BIOL 314. Pre or corequisite: BIOL 315L.

Spring.

A continuation of BIOL 314 that covers the cardiovascular, respiratory, renal/osmoregulatory, digestive, and reproductive systems and concepts of metabolism.

BIOL 315L. Human Anatomy and Physiology II Laboratory (1-0-4)

Prerequisite: BIOL 314L; Pre or corequisite: BIOL 315.

Spring.

Course includes dissection of preserved animals and animal organs. Students are responsible for providing their own dissection tools. Lab fees apply each term.

BIOL 319. Nutrition and Energy Homeostasis (3-3-0)

Prerequisites: BIOL 213/213L with a C or better; OR BIOL 211/211L with a C or better and CHEM 322/322L; OR CHEM 321/321L and NEUR 301/301L and NEUR 305.

Summer.

Students will explore the basic inputs and outputs of energy homeostasis in humans. The course begins with an introduction to the basic principles of nutrition and appetite. From there, students will gain specific understanding of body metabolism of carbohydrates, proteins, fats, and alcohol as well as the roles of vitamins and minerals. Focus areas such as physical activity, clinical significance, public health, and lifespan nutrition may also be emphasized throughout the course.

BIOL 326. Genomics, Proteomics and Bioinformatics (3-3-0)

Prerequisites: BIOL 213/213L with a C or better.

This course is designed to introduce the fields of genomics, proteomics and bioinformatics. Students will utilize existing bioinformatic tools to analyze genomic and proteomic data to determine the specific functions of genes and proteins and to compare the genomes and proteomes of various organisms.

BIOL 391. WI: Junior Seminar (1-1-0)

Prerequisites: ENGL 223 with a C- or higher; BIOL 213/213L with a C or higher.

Fall and Spring.

A seminar format course with each section having a different topic. Students will present reports orally and write short papers focusing on both the process of writing and the subject matter. This course partially satisfies the writing intensive requirement.

BIOL 395. Special Topics (credits vary 1-3)

Prerequisites: As announced.

Fall and Spring.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. Biology majors may apply no more than nine credits in elementary, intermediate, or advanced topics toward graduation. May require additional prerequisites as set by instructor.

BIOL 405. Disease Biology (3-3-0)

Prerequisite: BIOL 213/213L with a C or better.

Spring.

This course covers the vital structural and functional characteristics of common and important human diseases, as well as the principles of diagnosis and treatment.

BIOL 411. Immunology (3-3-0)

Prerequisite: BIOL 213/213L with a C or better; or CHEM 321/321L and NEUR 301/301L and 305.

Immunology includes a survey of molecules, cells, and tissues that comprise the immune system and the mechanism by which they protect organisms from disease. The functions of the immune system are illustrated by examining the normal immune response to an infective agent as well as by examining immune deficiencies and diseases that target the immune system. An upper level cell biology or molecular biology course is strongly suggested as a prerequisite, but not required.

BIOL 412. Fundamental Molecular Biology (4-3-0)

Prerequisites: BIOL 307 or BIOL 313 with a C- or higher.

Corequisite: BIOL 412L.

Molecular biology is a discipline based upon a reductionist logic that supports the concept that structure and function are intimately related. The primary goals for any molecular biologist are to understand the molecular basis for how prokaryotic and eukaryotic cells grow, divide, specialize, and interact.

BIOL 412L. Fundamental Molecular Biology Laboratory (0-0-4)

Corequisite: BIOL 412.

Lab fees apply each term.

BIOL 420. Animal Physiology (4-3-0)

Prerequisites: BIOL 213/213L with a C or better; and one of the following: BIOL 307 or 312 or 409 or 425 or 440 or 445 or 457. Corequisite: BIOL 420L.

Spring, odd years.

An introductory course in animal physiology emphasizing fundamental principles, concepts, and mechanisms responsible for homeostatic regulation of animal functions.

BIOL 420L. Animal Physiology Laboratory (0-0-4)

Corequisite: BIOL 420.

Spring, odd years.

Lab exercises will complement and reinforce lecture concepts, as well as provide students with the opportunity to perform physiology experiments and data analysis. Lab fees apply each term.

BIOL 422. Field Trip Experience (2-1-8)

Prerequisite: BIOL 213/213L with a C or better.

Extended field trip courses, each of which is preceded by classroom instruction. Includes hands-on classroom exercises and on- and off-campus field exercises. May involve additional fees. (A maximum of 4 credit hours can be counted toward a biology degree.)

BIOL 450. Environmental Microbiology (4-3-0)

Prerequisites: BIOL 213/213L with a C or better. *Corequisite:* BIOL 450L.

Spring.

This course investigates the role microorganisms play in the terrestrial, aquatic, and marine ecosystems. The course explores the dynamics of microbial populations and communities; normal microbiota and their interactions with other organisms; and environmental pathologies in air, water, and soil.

BIOL 450L. Environmental Microbiology Laboratory (0-0-4)

Corequisite: BIOL 450.

Spring.

In the laboratory students will learn classic environmental testing procedures and novel new assessment procedures that have their roots in biochemistry and molecular biology. Lab fees apply each term.

BIOL 491. WI: Senior Seminar (1-1-0)

Prerequisites: ENGL 223 and BIOL 391W each with a C- or higher.

Fall and Spring.

A seminar format course dealing with different topics in each section each semester. Students will give in-class presentations. A synthesis paper written by the student on some aspect of the topic will also be required. Presentation of this paper will occur on a Saturday late in the semester. This course partially satisfies the writing intensive requirement.

BIOL 492. Undergraduate Research Experience (credits vary 1-4)

Prerequisites: BIOL 213/213L with a C or better; minimum 2.5 GPA and Junior standing.

Fall, Spring and Summer.

This course is designed to provide the qualified student the opportunity for scientific research under the supervision of a departmental faculty member. The topic, time-line, and criteria for evaluation are agreed upon in writing by the student and supervising instructor before the student can register for the course. *Course may be repeated for a total of 4 credits. (A maximum of six credit hours from any combination of BIOL 492, BIOL 496, and BIOL 499 can be counted toward the biology degree.)*

BIOL 495. Special Topics (credits vary 1-4)

Prerequisites: As announced.

Fall, Spring and Summer.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. Biology majors may apply no more than nine credits of elementary, intermediate, or advanced topics toward graduation. May require additional prerequisites as set by instructor.

BIOL 496. Practicum (credits vary 1-3)

Prerequisites: BIOL 213/213L with a C or better; minimum 2.5 GPA and Junior standing.

Fall, Spring and Summer.

This course consists of an internship with an organization, usually external to the University, in which the student gains applied experience in some area of the biological sciences. Specific details of course requirements can be found in the agreement file maintained in the OENB Office. A maximum of three credits can be counted toward the degree. *(A maximum of six credit hours from any combination of BIOL 492, BIOL 496, and BIOL 499 can be counted toward the biology degree.)*

BIOL 499. Problems in Biology (credits vary 1-3)

Prerequisites: BIOL 213/213L with a C or better; minimum 2.5 GPA; Junior standing; consent of instructor and department chair.

Fall, Spring and Summer.

An opportunity for independent study or literature review with guidance of a faculty advisor. No more than three credits may be applied to the degree. *(A maximum of six credit hours from any combination of BIOL 492, BIOL 496, and BIOL 499 can be counted toward the biology degree.)*

THE CURRICULUM IN BIOCHEMISTRY

BCHM 395. Special Topics in Biochemistry (3-3-0)

Prerequisites: As announced.

Fall, Spring, Summer.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. May require additional prerequisites set by the instructor.

BCHM 410. Medical Biochemistry (3-3-0)

Prerequisites: CHEM 322 with grade of C- or better.

A survey of biomolecules, biochemical systems, and pathways. The course focus is on amino acids, proteins, carbohydrates, cofactors, and nucleotides. Major human biochemical pathways will be studied in detail. Bioenergetics and thermodynamics will be covered.

BCHM 414. Biochemistry I (3-3-0)

[Formerly BIOL/CHEM 414, equivalent]

Prerequisites: CHEM 322/322L.

Fall.

A survey of the principal molecular constituents of living organisms, including carbohydrates, lipids, nucleic acids and proteins. Macromolecular structure-function relationships and enzyme kinetics are emphasized.

BCHM 414L. Biochemistry I Lab (1-0-4)
[Formerly BIOL/CHEM 414L, equivalent]

Pre or Corequisite: BCHM 414 or BIOL 414 or CHEM 414.
Fall.

This is the accompanying lab for BCHM 414. Experiments emphasize molecular techniques and enzyme kinetics. Lab fees apply each term.

BCHM 415. Biochemistry II (3-3-0)

Prerequisite: BCHM 414 or BIOL 414 or CHEM 414.
Spring.

This course will cover the major catabolic pathways, oxidative phosphorylation, and selected anabolic pathways. Special attention will be placed on enzyme regulation and enzyme reaction mechanisms common to metabolism. The course will conclude with a look at how the chemistry relates to the division of labor among the major mammalian organs.

BCHM 415L. Biochemistry II Lab (1-0-4)

Pre or Corequisite: BCHM 415.
Spring.

This is the accompanying lab for BCHM 415. Laboratory exercises utilize common techniques encountered in biochemical research to give students practical experience performing biochemical experiments. Lab fees apply each term.

BCHM 495. Special Topics in Biochemistry (3-3-0)

Prerequisites: As announced.
Fall, Spring, Summer.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. May require additional prerequisites set by the instructor.

THE CURRICULUM IN CHEMISTRY

Note: The following course listing includes alternate year offerings of junior- and senior-level courses. Though it is recommended that labs be taken at the same time as lecture, labs can be taken at any time after the lecture course for CHEM 103/104, CHEM 121/122, and CHEM 321/322.

CHEM 103. Introductory Chemistry I (3-3-0) AINW
Fall.

The fundamentals of general and inorganic chemistry. (CHEM 103 with or without CHEM 103L may be taken for elective credit as an introductory course to CHEM 121 and CHEM 121L.)

CHEM 103L. Introductory Chemistry Laboratory I (1-0-3) AINW

Pre or Corequisite: CHEM 103.
Fall.

An introduction to the experimental techniques and methods of chemistry. Lab fees apply each term.

CHEM 104. Introductory Chemistry II (3-3-0) AINW

Prerequisite: CHEM 103 or 121.
Spring.

The fundamentals of organic and biochemistry.

CHEM 104L. Introductory Chemistry Laboratory II (1-0-3) AINW

Pre or Corequisite: CHEM 104.
Spring.

An introduction to the experimental techniques and methods of organic and biochemistry. Lab fees apply each term.

CHEM 110. Chemistry and Society (3-3-0) AINW

Fall, Spring.

This course is for nonscience majors only; it is not intended for chemistry or biology majors. The course integrates fundamental concepts of chemistry with contemporary issues facing society. Sufficient technical background will be presented to enable an informed appreciation of the impact of chemistry within various topics selected by the instructor. The critical thinking methods developed will provide critical pathways for approaching other challenges in a rapidly changing world.

CHEM 111L. Environmental Studies Chemistry Lab (1-0-4)

Pre or Corequisite: CHEM 103 or 121. Restricted to environmental studies minors.

This lab introduces environmental studies minor to basic laboratory practices related to environmental chemistry issues. Basic Laboratory practices will be provided for each experiment with fundamental concepts and theories. Students will learn how to apply basic chemistry concepts in order to understand environmental issues.

CHEM 121. General Chemistry I (3-3-0) AINW

Fall and Spring.

The first half of the general chemistry sequence covers topics in atoms, stoichiometry, gases, thermochemistry, electronic structure, periodic properties, bonding and molecular geometry. Emphasis is placed on the development of problem solving skills. Strong algebra skills recommended.

CHEM 121L. General Chemistry I Laboratory (1-0-4) AINW

Pre or Corequisite: CHEM 121.
Fall and Spring.

The first semester of the general chemistry laboratory sequence introduces students to various chemical lab techniques and provides hands-on experience with the chemical concepts covered in the general chemistry lecture. This course also focuses on the development of scientific writing skills in the form of formal lab reports. Lab fees apply each term.

CHEM 122. General Chemistry II (3-3-0) AINW

Prerequisite: CHEM 121.

Fall and Spring.

The second half of the general chemistry sequence covers topics in intermolecular forces, properties of solutions, chemical kinetics, chemical equilibrium, acid/base equilibrium, chemical thermodynamics and electrochemistry. Emphasis is placed on the development of problem solving skills. Strong algebra skills recommended.

CHEM 122L. General Chemistry II Laboratory (1-0-4) AINW

Pre or Corequisite: CHEM 122.

Prerequisite: CHEM 121L.

Fall and Spring.

The second semester of the general chemistry laboratory sequence introduces students to various chemical lab techniques, such as titration, and provides hands-on experience with the chemical concepts covered in the general chemistry lecture. This course also focuses on the development of scientific writing skills in the form of formal lab reports. Lab fees apply each term.

CHEM 195. Special Topics (credits vary 1-3)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

CHEM 295. Special Topics (credits vary 1-3)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

CHEM 321. Organic Chemistry I (3-3-0)

Prerequisite: CHEM 122/122L.

Chemistry of the organic compounds. Structure, reactivity, and reaction mechanisms.

CHEM 321L. Organic Chemistry Laboratory I (1-0-4)

Pre- or Corequisite: CHEM 321.

Introduction to common techniques and qualitative organic analysis. Lab fees apply each term.

CHEM 322. Organic Chemistry II (3-3-0)

Prerequisite: CHEM 321.

Chemistry of organic compounds. Structure, reactivity and reaction mechanisms.

CHEM 322L. Organic Chemistry Laboratory II (1-0-4)

Prerequisite: CHEM 321L.

Pre or Corequisite: CHEM 322.

Spring.

The study and analysis of organic reactions with emphasis on instrumental methods. Lab fees apply each term.

CHEM 341. Physical Chemistry I (3-3-0)

Prerequisite: CHEM 322/322L, MATH 240, PHYS 202/202L.

Fall.

This course will focus on the development of the fundamental

concepts used to explain other areas of chemistry. The properties of gases, chemical thermodynamics, properties of mixtures, phase and chemical equilibrium, kinetics and electrochemistry are studied.

CHEM 342. Physical Chemistry II (3-3-0)

Prerequisite: CHEM 341; Corequisite: CHEM 342L.

Spring.

This course will focus on the development of the fundamental concepts used to explain other areas of chemistry, with an emphasis on molecular structure. Quantum theory, molecular structure, symmetry, spectroscopy and statistical thermodynamics are studied.

CHEM 342L. Physical Chemistry Lab (1-0-4)

Pre or corequisite: CHEM 342.

Spring.

This course explores the physical properties of matter. An emphasis is placed on the analysis of materials at the atomic and molecular level. Lab fees apply each term.

CHEM 361. Analytical Chemistry (3-3-0)

Prerequisite Courses: CHEM 122/122L.

Spring.

This course addresses the fundamental principles of the analytical problem-solving process, volumetric and gravimetric analysis, electrochemistry, systematic treatment of chemical equilibrium, and the treatment of experimental data. Strong algebra skills are required.

CHEM 361L. Analytical Chemistry Lab (1-0-4)

Corequisite: CHEM 361.

Restricted to chemistry and biochemistry majors.

Spring.

The laboratory course, to accompany Analytical Chemistry, involves an introduction to analytical laboratory techniques, such as volumetric and gravimetric analysis, electrochemistry, and the treatment of experimental data. Lab fees apply each term.

CHEM 391. WI: Investigating Chemical Literature (3-3-0)

Prerequisite: ENGL 223 with a C- or higher, CHEM 322, junior standing.

Restricted to chemistry and biochemistry majors.

Fall.

In this course, students will choose a current research topic in chemistry, learn to search for and read scientific literature relevant to the chosen topic and learn to write a technical paper. Students will also have the opportunity to become skilled in making technical oral presentations. This course partially satisfies the writing intensive requirement.

CHEM 395. Special Topics (credits vary 1-3)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

CHEM 401. Inorganic Chemistry (3-3-0)

Prerequisites: CHEM 322/322L.

Fall.

Inorganic Chemistry will cover the topics of valence and molecular orbital theories; bonding in inorganic compounds; solid-state structures; properties of the representative elements; coordination chemistry of the transition elements; inorganic catalysis; silicate materials and their applications in environmental remediation.

CHEM 401L. Inorganic Chemistry Lab (1-0-4)

Corequisite: CHEM 401.

Fall.

Restricted to chemistry majors. Inorganic Chemistry Lab will focus on methods of synthesizing some inorganic compounds. Lab fees apply each term.

CHEM 435. Nanochemistry and Nanotechnology (3-3-0)

Prerequisite: CHEM 322.

This course will introduce the fundamental principles of nanochemistry including synthesis, characterization, and application of nanomaterials such as nanosensors, nanobiology, nanomedicine and nanomachines.

CHEM 443. Atmospheric Chemistry (3-3-0)

Prerequisites: CHEM 321.

This course presents an introduction to the chemistry of the troposphere and stratosphere. Emphasis is placed on the structure of the atmosphere, photochemical smog, global climate change and greenhouse gases, stratospheric ozone depletion, and particulate matter in the troposphere.

CHEM 445. Instrumental Analysis (3-3-0)

Prerequisite: CHEM 322/322L and 361.

Fall.

Theory and practice in the use of modern instrumentation for the solution of analytical problems.

CHEM 445L. Instrumental Analysis Lab (1-0-4)

Prerequisite: CHEM 361L or consent of instructor.

Corequisite: CHEM 445.

Fall.

This course addresses the fundamental principles of chemical instrumentation, including electronics, signal, and noise. The course also focuses on the fundamental theories of the major instrumental methods, such as spectroscopy and separations, and current applications. Completion of this course will afford students a working knowledge of analytical instrumentation typically employed in chemical, biochemical, and environmental research laboratories. Lab fees apply each term.

CHEM 465. Environmental Chemistry (3-3-0)

Prerequisite: CHEM 321.

Environmental Chemistry will cover the topics of air, water

and soil chemistry. This will include ozone depletion, air pollution, global warming, energy use, elementary toxicology and risk assessment, ground water contamination, modern methods for treatment of wastewater and sewage, soil characteristics, environmental remediation and green chemistry.

CHEM 470. Advanced Organic Chemistry (3-3-0)

Prerequisite: CHEM 322.

Synthesis is a central part of organic chemistry and is, therefore, an important part of the undergraduate education. In this course we will study the recent developments in organic chemistry and learn how to keep abreast of this ever-changing subject.

CHEM 492. WI: POGIA-A Chemistry Capstone Course (3-3-0)

Prerequisites: CHEM 391W, ENGL 223 with a C- or higher and senior standing.

Spring.

A senior-level capstone course surveying the fundamentals of chemistry. Select topics and principles from Physical, Organic, General, Instrumental, and Analytical Chemistry will be reviewed through a series of lectures, student-led seminars, guest speakers, and possible field trips. This course partially satisfies the writing intensive requirement.

CHEM 495. Special Topics (credits vary 1-3)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

CHEM 499. Independent Study and Research (credits vary 1-3)

Prerequisite: consent of instructor and department chair. (See section on Independent Study Procedures).

THE CURRICULUM IN NATURAL SCIENCE

NSCI 310. The Study of Science (3-3-2)

Prerequisite: PSYC 312 or SOCL 314, junior standing, completion of a three credit AINW.

This course is designed for prospective elementary school teachers to study fundamental scientific concepts such as models, change, structure and function, systems, variation, cause and effect, diversity, and scale through various topics (i.e., motion, energy, heat, electricity and magnetism, light, atoms, solar system, cell, respiration, plants, animals, evolution, environmental science, taxonomy, ecology). Students will have opportunities to examine exemplary science curricula, review characteristics of the learner, and develop effective instructional strategies and assessment instruments needed to teach science.

DEPARTMENT OF ORGANISMAL AND ENVIRONMENTAL BIOLOGY

Dr. Michael D. Meyer, Chair

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Faculty

Professor: Atkinson, Sherwin, Whiting

Associate Professor: M. Meyer, Ruane, Steven, J.S. Thompson

Assistant Professor: Collar, Harwell, Lattanzio

Lecturer: Burke

Emeriti: Banks, Cheney, Cones, Mollick, Reed

Mission Statement

The Department of Organismal and Environmental Biology (OENB) will develop a meaningful level of scientific literacy in all students through exploration of fundamental concepts and processes of the natural world. Majors build upon this foundation and gain the necessary background, understanding, and experience to be successful in the fields of biology and environmental science; this is achieved through coursework complemented by research and independent study opportunities. The OENB faculty members are actively engaged in quality teaching, research, mentoring and service. These traditions provide the model for our goal to instill motivation, intellectual drive, dedication, integrity, and professionalism in all graduates.

The aims of the curriculum and faculty in the Department of Organismal and Environmental Biology are to acquaint students with the body of knowledge in these disciplines and to teach them to apply this knowledge usefully and responsibly. Coursework includes discussion of historical and philosophical developments of biology and environmental science. The biology program is organized to enable majors to survey the entire field of biology and also to focus in one of a number of areas, including botany, marine science, environmental science, zoology, and preparation for one of the many health professional programs.

The department offers two degrees, the Bachelor of Arts and the Bachelor of Science in biology. Within the Bachelor of Science in biology there are four possible majors. Additional information about the department, the degrees offered, and other opportunities can be obtained from the department office or the department website at oenb.cnu.edu.

Note that the Department of Molecular Biology and Chemistry offers additional biology courses and more details on the major in cellular, molecular and physiological biology.

Health-Related Professions

The CNU Pre-med & Pre-health Program can help students from any academic major prepare for application to medical and other health profession programs. Many students find that a biology major provides excellent

preparation for these career choices. The program offers a variety of resources, such as academic and career advising, mentoring, clinical internship opportunities, workshops and seminars to help any highly motivated student gain admission to the professional school of her or his choice. Additional information can be obtained at prehealth.cnu.edu or by contacting the Director of Pre-health Programs, Dr. Gwynne D. Brown, at gwynne.brown@cnu.edu.

The Bachelor of Arts Degree in Biology

The Bachelor of Arts degree in biology requires a minimum of 35 credits in biology. Students may present no more than two biology courses with grades lower than C- for the degree.

In addition to the successful completion of the liberal learning curriculum, the Bachelor of Arts degree in biology requires the successful completion of:

1. **Biology Core***: BIOL 211/211L-212/212L- 213/213L, 391W, 491W;
2. CHEM 103/103L-104/104L*;
3. MATH 125, and 130 or higher;
4. 21 credits of biology courses with a minimum of four credits chosen from each of the required course lists: cellular, molecular and physiological biology major, environmental biology major, organismal biology major. At least three of the courses taken must have a laboratory component. Only three of those credits can be at the 200-level.

* The biology degree requires that students have a C or better in BIOL 211/211L-212/212L-213/213L and a C- or better in BIOL 391W and 491W and CHEM 103/103L-104/104L.

The Bachelor of Science Degree in Biology

The Bachelor of Science degree in biology requires a minimum of 35 credits in biology. In the B.S. in biology, students must choose a major. Three of the majors build upon introductory biology and chemistry courses in a specific area of focus: cellular, molecular and physiological biology; environmental biology; and organismal biology. The fourth major, integrative biology, allows students to continue to build upon the breadth of the foundation courses at the upper-level.

Students may present no more than two biology courses with grades lower than C- for the degree. **Earning a double major within the Bachelor of Science degree in biology is not possible.**

In addition to the successful completion of the liberal learning curriculum, the Bachelor of Science degree in biology requires successful completion of the following courses:

The Major in Cellular, Molecular and Physiological Biology

See catalog description for Department of Molecular Biology and Chemistry.

The Major in Environmental Biology

1. Biology Core*: BIOL 211/211L-212/212L- 213/213L, 391W, 491W;
2. CHEM 121/121L-122/122L*, 321/321L-322/322L;
3. MATH 125 and 130 or higher;
4. PHYS 151/151L-152/152L;
5. 21 credits of biology courses, only three of those credits can be at the 200-level. Of these 21 credits at least 15 must come from the following courses, and three of these courses must have a laboratory component: BIOL 306/306L, 308/308L, 403/403L, 407/407L, 435/435L, 450/450L, 454; CHEM 465, 440.

* The biology degree requires that students have a C or higher in BIOL 211/211L-212/212L-213/213L and a C- or higher in BIOL 391W and 491W and CHEM 121/121L-122/122L.

The Major in Integrative Biology

1. Biology Core*: BIOL 211/211L-212/212L- 213/213L, 391W, 491W;
2. CHEM 121/121L-122/122L*, 321/321L-322/322L;
3. MATH 125 and 130 or higher;
4. PHYS 151/151L-152/152L;
5. 21 credits of biology courses, only three of those credits can be at the 200-level. At least four credits will come from the required courses list of each of the other three majors. At least three of the courses taken must have a laboratory component.

*The biology degree requires that students have a C or higher in BIOL 211/211L-212/212L-213/213L and a C- or higher in BIOL 391W and 491W and CHEM 121/121L-122/122L.

The Major in Organismal Biology

1. Biology Core*: BIOL 211/211L-212/212L- 213/213L, 391W, 491W;
2. CHEM 121/121L-122/122L*, 321/321L-322/322L;
3. MATH 125 and 130 or higher;
4. PHYS 151/151L-152/152L;

5. 21 credits of biology courses, only three of those credits can be at the 200-level. Of these 21 credits at least 15 must come from the following courses, and three of these courses must have a laboratory component: BIOL 310/310L, BIOL 312/312L, 403/403L, 409/409L, 425/425L, 440/440L, 445/445L, 457/457L, 465/465L.

* The biology degree requires that students have a C or higher in BIOL 211/211L-212/212L-213/213L and a C- or higher in BIOL 391W and 491W and CHEM 121/121L-122/122L.

The Minor in Biology (27 Credits)

BIOL 211/211L-212/212L-213/213L all with a grade of C or higher, (requires the completion of CHEM 103/103L-104/104L or CHEM 121/121L-122/122L) and a minimum of seven BIOL credits at the 300- or 400-level, including one course with a laboratory component.

Five-Year Program: Master of Science in Environmental Science

The Master of Science in environmental science is designed for current and prospective students in the new, rapidly growing field of environmental monitoring and conservation. This five-year program leads to both a Bachelor of Science in biology and a Master of Science in environmental science and provides a solid background in ecological and environmental conservation theory.

This degree program is flexible enough to fit the interest and needs of a wide variety of students and is designed for students planning to pursue a Ph.D., teachers desiring a Master of Science in a biological science, and students interested in careers involving environmental assessment, monitoring, or conservation.

How and When to Apply

After completion of 65 credit hours of undergraduate study, the application to the Five-Year B.S./M.S. Program is submitted no later than February 1 of the junior year. Applications for admission to the Five-Year Program are available at gradstudies.cnu.edu. Formal acceptance by the Office of Graduate Studies will constitute admission to the Master of Science in environmental science program as long as the student has the required 3.00 GPA upon undergraduate graduation.

Requirements for Admission

Criteria for student admission into the five-year program:

1. Undergraduate cumulative GPA of 3.00 or higher.
2. GPA in the student's major of at least 3.00.
3. Submission of one of the following:
 - a. A minimum SAT Score of 1100 with a minimum of 530 in the verbal and quantitative sections (must be less than five years old);
 - b. A Graduate Record Examination (GRE) General Test score of at least 295 for the verbal and quantitative sections combined. It is highly

desirable to have a reasonably balanced score between the verbal and quantitative sections.

- Two letters of recommendation. One must be from a faculty member in the major who has taught or mentored the student in a major course or research project.

Teacher Preparation in Biology

Those students who wish to become teachers may apply to the Five-Year Master of Arts in Teaching (M.A.T.) Program as an undergraduate or after completion of a Bachelor of Science degree in biology. Application to the Five-Year Program must be made in the spring of the junior year. See the *Graduate Catalog* for application instructions and requirements. Students will earn a Bachelor of Science degree in biology during the first four years and complete an additional year of study leading to the M.A.T. degree. Students majoring in biology can prepare to teach all core subjects of elementary school, pre-kindergarten through grade six, or in the content area of biology in secondary school grades six through 12. Students accepted into this program must complete one of the following tracks for graduation with the bachelor's degree:

Elementary level (PK-6) Track

Major courses required:

See major requirements for the B.A. or B.S. in Biology.

Support courses required:

- ENGL 123, 223; 310 or 430, and 316;
- COMM 201 or THEA 230;
- CPSC 110;
- MATH 109, 125;
- HIST 111, 121, 122;
- POLS 101;
- GEOG 210;
- PSYC 208, 312;
- SOCL 314/314L;
- BIOL 107 or 108; CHEM 103; PHYS 141; PHYS 105L or BIOL 109L;
- NSCI 310;
- and other support courses for the B.A. or B.S. degree in biology.

* Support courses may change based on regulations from the Virginia Department of Education.

Graduate courses* required (senior year):

Select six credits from a), b), or c):

- MATH 570;
- PSYC/TCHG 544;
- MLAN 511, ENGL 530.

Secondary level (6-12) Track

Major courses required:

- BIOL 211/211L, 212/212L, 213/213L, 391W, 491W;
- BIOL 313;
- BIOL 407/407L;

- Fifteen additional credits at the 200-400 level are required. Twelve of these credits must be at the 300-400-level and must have laboratory components. (BIOL 215 and 314/314L, or BIOL 420/420L are recommended for all secondary biology teachers.)

Support courses required:

CHEM 121/121L, 122/122L; 321/321L, 322/322L;
CPSC 110; COMM 201 or THEA 230;
PHYS 151/151L, 152/152L; MATH 125 and 130 or higher;
PSYC 207 or 208, 312; SOCL 314/314L.

Graduate courses* required (senior year):

Select six credits: ENVS 510/510L, 518, 522, 530, 532/532L, 536/536L, 540/540L, 550, 590 or 595.

* See the graduate catalog for course descriptions.

THE CURRICULUM IN BIOLOGY

BIOL 107. General Biology I (3-3-0) AINW

Fall, Summer.

Does not count toward any biology major degree program. BIOL 107 is managed and taught by the OENB Department. First semester of introductory biology sequence for non-majors; major topics covered are ecology, genetics, evolution, and diversity.

BIOL 108. General Biology II (3-3-0) AINW

Spring, Summer.

Does not count toward any biology major degree program. BIOL 108 is managed and taught by the OENB Department. Second semester of introductory biology sequence for nonmajors; major topics covered are energy metabolism, cell biology, biotechnology, plant biology, and animal biology.

BIOL 109L. General Biology Laboratory (1-0-2) AINW

Fall, Spring and Summer.

Pre or Corequisite: BIOL 107 or 108 or 111 or 112 or 113 or 115. *Does not count toward any biology major degree program.* BIOL 109L is managed and taught by the OENB Department. Laboratory exercises to accompany any BIOL 107, 108, 111, 112, 113 and 115 AINW Area of Inquiry courses. Lab fees apply each term.

BIOL 111. Topics in Botany (3-3-0) AINW

Does not count toward any biology major degree program. Through a botanical topic, this Area of Inquiry course will examine the process of science, history of science, and how science affects contemporary thought and society. The particular topics covered will vary each semester.

BIOL 115. Topics in Ecology and the Environment (3-3-0) AINW

Does not count toward any biology major degree programs. Through an ecological topic, this course examines the process of science, history of science, and how science

affects contemporary thought and society. The particular topics covered vary each semester.

BIOL 195. Special Topics (credits vary 1-3)

Topics vary, determined by the special interests and needs of students and the expertise of faculty. May require prerequisites as set by instructor.

BIOL 211 Principles of Biology I (3-3-0)

Pre or Corequisite: CHEM 103/103L or 121/121L.

Restricted to students in biology degree programs.

BIOL 211 is managed and taught by the MBCH Department. Principles of Biology I is the first course in the three course sequence for students seeking degrees in biology. This course introduces fundamental chemical concepts to allow discussion of the composition and functioning of cells. Topics include respiration, photosynthesis, Mendelian genetics, DNA replication, and gene functioning.

BIOL 211L Principles of Biology I Laboratory (1-0-4)

Pre or Corequisite: BIOL 211.

Restricted to students in biology degree programs.

BIOL 211L is managed and taught by the MBCH Department. Principles of Biology I Lab is the laboratory component of the first course in the three course sequence for students seeking degrees in biology. This course introduces students to basic laboratory techniques and fundamental cellular and molecular topics. Lab fees apply each term.

BIOL 212 Principles of Biology II (3-3-0)

Prerequisite: BIOL 211/211L with a C or better and CHEM 103/103L or 121/121L with a C- or higher; or EVST 220 with a grade of C or higher.

Restricted to students in biology degree programs.

BIOL 212 is managed and taught by the OENB Department. Principles of Biology II is the second course in the three course sequence for students seeking degrees in biology. This course introduces evolutionary and ecological topics as well as provides an overview to the diversity of life.

BIOL 212L Principles of Biology II Laboratory (1-0-4)

Pre or Corequisite: BIOL 212.

Restricted to students in biology degree programs.

BIOL 212L is managed and taught by the OENB Department. Principles of Biology II Lab is the laboratory component of the second course in the three course sequence for students seeking degrees in biology. This course covers evolutionary, diversity, and ecological topics by way of in-class and in-the-field exercises. As per instructions given in class, students should expect to be in the field for some lab activities. Lab fees apply each term.

BIOL 213 Principles of Biology III (3-3-0)

Prerequisite: BIOL 212/212L with a C or better and CHEM 104/104L or 122/122L with a C- or higher.

Restricted to students in biology degree programs.

BIOL 213 is managed and taught by the OENB Department.

Principles of Biology III is the third course in the three course sequence for students seeking degrees in biology. This course covers form and function of botanical and zoological organisms in some detail.

BIOL 213L Principles of Biology III Laboratory (1-0-4)

Pre or Corequisite: BIOL 213.

Restricted to students in biology degree programs.

BIOL 213L is managed and taught by the OENB Department. Principles of Biology III Lab is the laboratory component of the third course in the three course sequence for students seeking degrees in biology. This course covers aspects of the form and function of botanical and zoological organisms by way of in-class and in-the-field exercises. Lab fees apply each term.

BIOL 295. Special Topics (credits vary 1-6)

Fall and Spring.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. Biology majors may apply no more than nine credits in elementary, intermediate, or advanced topics toward graduation. May require prerequisites as set by instructor.

BIOL 306. Environmental Conservation (3-3-0)

Prerequisites: BIOL 213/213L with a C or higher.

Fall.

Study of soil, forest, land, water, air, wildlife, and recreational resources; their interrelationships and modifications by humans; steps necessary to use them wisely for present and future generations.

BIOL 306L. Environmental Conservation Laboratory (1-0-4)

Pre or Corequisite: BIOL 306.

Fall.

The lab seeks to expose students to the most current issues facing organizations that seek to conserve ecosystems. Beyond mere exposure to these efforts, 306L seeks to actually pair student teams with collaborating organizations in the conduct of science in support of conservation decisions. Participation in these activities may require off-campus travel, meeting teams at times beyond those scheduled for lab, and your signature on a risk awareness form. Lab fees apply each term.

BIOL 308. Plant Biology (4-3-0)

Prerequisites: BIOL 213/213L with a C or higher.

Corequisite: BIOL 308L.

Spring.

This course explores the clever and sophisticated ways plants have evolved to survive, grow, and reproduce. An emphasis will be placed on the interactions between plants and other organisms, including fungi, herbivores, and pollinators. In addition, we will discuss the interactions between plants and people by examining the cultural and medicinal uses of plants around the world. Examples from the primary literature will be used to deepen our understanding of these topics.

BIOL 308L. Plant Biology Laboratory (0-0-4)

Corequisite: BIOL 308.

Spring.

In the lab portion of this course, we will study the botanical life on our campus and within our community.

Lab fees apply each term.

BIOL 310. Plant Systematics (4-3-0)

Prerequisites: BIOL 213/213L with a C or higher.

Corequisite: BIOL 310L.

Fall.

A study of land plant morphology, diversity, and classification within an evolutionary context. Students learn to construct and interpret phylogenies and identify major evolutionary patterns in land plant lineages.

BIOL 310L. Plant Systematics Laboratory (0-0-4)

Corequisite: BIOL 310.

Fall.

The laboratory portion of the course emphasizes the plant communities found in local ecosystems and plant identification in the lab and field. The morphology and life cycles of the major groups of land plants are also covered. Lab fees apply each term.

BIOL 312. Invertebrate Zoology (4-3-0)

Prerequisites: BIOL 213/213L with a C or higher.

Corequisite: BIOL 312L.

Spring.

A study of invertebrate biology emphasizing morphology and evolutionary relationships, and including taxonomy, physiology, and behavior.

BIOL 312L. Invertebrate Zoology Laboratory (0-0-4)

Corequisite: BIOL 312.

Spring.

Hands-on experience with living and preserved invertebrates. Dissections, slide work, on-campus and off-campus field work are included. Lab fees apply each term.

BIOL 328. Island Biology and Experimental Design (3-3-0)

Prerequisites: BIOL 213/213L with a C or higher.

Spring.

This course combines in-class lectures and discussions with field research to expand upon the undergraduate biology experience. In the lecture component, students will synthesize the primary literature on topics in biodiversity and island biology in order to identify unanswered research questions and propose experiments. During the field trip to a private island in the Bahamas, students explore the lush biodiversity, execute their experiments, and collect data to answer research questions. Students analyze, graph, and present their data when they return to campus.

BIOL 365. Evolutionary Biology (3-3-0)

Prerequisites: BIOL 213/213L with a C or higher.

Spring.

This course studies examples illustrating principles of evolutionary biology while demonstrating the techniques used by modern evolutionary biologists to study in the field and in the lab. Students will leave this course with a deep understanding of the most integrative field of biology.

BIOL 391. WI: Junior Seminar (1-1-0)

Prerequisites: ENGL 223 with a C- or higher; BIOL 213/213L with a C or higher.

Fall and Spring.

A seminar format course with each section having a different topic. Students present reports orally and write short papers focusing on both the process of writing and the subject matter. This course partially satisfies the writing intensive requirement.

BIOL 395. Special Topics (credits vary 1-3)

Prerequisite: As announced.

Fall and Spring.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. Biology majors may apply no more than nine credits in elementary, intermediate, or advanced topics toward graduation. May require additional prerequisites as set by instructor.

BIOL 403. Marine Biology (3-3-0)

Prerequisites: BIOL 213/213L with a C or higher.

Corequisite: BIOL 403L.

Fall.

Taxonomic and ecological investigations of the major marine groups; pollution ecology; applied marine science.

BIOL 403L. Marine Biology Laboratory (1-0-4)

Pre or Corequisite: BIOL 403.

Fall.

Lab includes hands-on classroom exercises and on- and off-campus field exercises. Lab fees apply each term.

BIOL 407. General Ecology (4-3-0)

Prerequisites: BIOL 213/213L with a C or higher.

Corequisite: BIOL 407L.

Fall.

This course studies the properties and processes of ecosystems, communities, and populations, with consideration given to the influence of humans on each level.

BIOL 407L. General Ecology Laboratory (0-0-4)

Corequisite: BIOL 407.

Fall.

Lab includes hands-on classroom exercises and on- and off-campus field exercises. Lab fees apply each term.

BIOL 409. Comparative Anatomy of Vertebrates (4-3-0)

Prerequisites: BIOL 213/213L with a C or higher.

Corequisite: BIOL 409L.

Spring.

General chordate anatomy, emphasizing the vertebrates,

considered on a comparative, evolutionary, and functional basis.

BIOL 409L. Comparative Anatomy of Vertebrates Laboratory (0-0-4)

Corequisite: BIOL 409.

Spring.

Laboratory work includes dissection and study of lamprey, shark, mudpuppy, cat, and other supplemental chordates. Lab fees apply each term.

BIOL 418. Animal Behavior (3-3-0)

Prerequisites: BIOL 213/213L with a C or higher.

Spring, odd years.

The comparative study of animal behavior, including both vertebrates and invertebrates. Ethological concepts, physiological mechanisms, and adaptive significance will be emphasized. Lab fees apply each term.

BIOL 422. Field Trip Experience (2-1-8)

Prerequisite: BIOL 213/213L with a C or higher.

Extended field trip courses, each of which is preceded by classroom instruction. Includes hands-on classroom exercises and on- and off-campus field exercises. May involve additional fees. (Repeatable twice for a maximum of 4 credits.)

BIOL 425. Ornithology (3-3-0)

Prerequisites: BIOL 213/213L with a C or higher.

Corequisite: BIOL 425L.

Spring.

An introduction to the biology of birds. Topics include anatomy, physiology, behavior, ecology, evolution, identification, and conservation.

BIOL 425L. Ornithology Lab (1-0-4)

Corequisite: BIOL 425.

Spring.

Lab is field-oriented and includes afternoon field trips throughout the Peninsula region of Virginia. Lab focuses on the identification of birds using both ocular and acoustic characters. Lab fees apply each term.

BIOL 430. Biogeography (3-3-0)

Prerequisites: BIOL 213/213L with a C or higher.

Spring.

The study of the patterns of distribution of organisms, both past and present, and the abiotic and biotic factors that produced those distributions.

BIOL 435. Environmental Application of GIS (4-3-0)

Prerequisites: BIOL 213/213L with a C or higher.

Corequisite: BIOL 435L.

Spring.

This course applies Geographic Information Systems (GIS) to environmental and ecological issues within the urban and rural landscapes. Computer information mapping, output design,

spatial analyzes, GPS (Geographical Positioning System) applications, and remote sensing techniques are discussed, explored (hands-on), and applied to local and regional problems.

BIOL 435L. Environmental Application of GIS Laboratory (0-0-4)

Corequisite: BIOL 435.

Spring.

The application of ARCVIEW (ESRI Co.) software along with Trimble GPS units to geospatially address environmental questions and problems. Includes on- and off- campus field exercises. Lab fees apply each term.

BIOL 440. Herpetology (4-3-0)

Prerequisites: BIOL 213/213L with a C or higher.

Corequisite: BIOL 440L.

Spring.

The study of the reptiles and amphibians. Evolutionary history, taxonomy, and ecology will be emphasized.

BIOL 440L. Herpetology Laboratory (0-0-4)

Corequisite: BIOL 440.

Spring.

Lab includes hands-on classroom exercises and on- and off-campus field exercises. Lab fees apply each term.

BIOL 445. Mammalogy (4-3-0)

Prerequisites: BIOL 213/213L with a C or higher.

Corequisite: BIOL 445L.

Fall.

Mammalogy is designed to introduce students to basic principles of mammalian biology. Students learn to recognize Virginia's mammals and gain an understanding of global mammalian diversity and systematics. Additionally, this course provides a broad understanding of the natural history of mammalian groups and species. We investigate the role of mammals in natural and urban systems and discuss the conservation of this important taxonomic group.

BIOL 445L. Mammalogy Lab (0-0-4)

Corequisite: BIOL 445.

Fall.

Lab involves hands-on exercises in the lab and in the field that enhance and are complementary of material covered in lecture. Processing, dissection, and necropsy are an expected part of the lab. Lab includes on- and off-campus field exercises. Lab fees apply each term.

BIOL 454. Global Change (3-3-0)

Prerequisite: BIOL 213/213L with a C or higher.

Spring, odd years.

This course examines the evidence, causes, and impacts of global change. It is taught in a modified seminar format with discussion topics covering the basics of global cycles to current climate change issues. Topics include: ecological consequences of global warming, ozone depletion, terrestrial

greening, ocean current changes, changing patterns of climate on ecosystem functioning, community interactions, and suitability of human systems.

BIOL 457. Entomology (4-3-0)

Prerequisite: BIOL 213/213L with a C or higher. Corequisite: BIOL 457L.

Fall.

An introduction to the biology of insects. Topics covered include anatomy, physiology, behavior, ecology, evolution, identification, and conservation.

BIOL 457L. Entomology Lab (0-0-4)

Corequisite: BIOL 457.

Fall.

This course provides an accelerated, introductory exposure to the external anatomy and classification of insects. The identification (by sight and dichotomous keys) of orders and select families is a major component of this lab. Effective methods and equipment for collecting, identifying, preserving and storage of insects through personal experience is a second major component of the course. Lab includes hands-on classroom exercises and on- and off-campus field exercises. Lab fees apply each term.

BIOL 465. Fish Biology (3-3-0)

Prerequisite: BIOL 213/213L with a C or higher.

Corequisite: BIOL 465L.

Fall.

An introduction to the biology of fishes, including evolution and phylogeny, anatomy and physiology, processes affecting growth throughout the life cycle, behavior, ecology, and the role of fishes in their environment. The course concludes with a discussion of case studies in the conservation and management of fish species.

BIOL 465L. Fish Biology Laboratory (1-0-4)

Corequisite: BIOL 465.

Fall.

A field-oriented lab involving field trips to sites throughout southeastern Virginia. Students learn field sampling and identification techniques for fishes, as well as data analysis applicable to fish population and community ecology. Lab fees apply each term.

BIOL 491. WI: Senior Seminar (1-1-0)

Prerequisites: ENGL 223 and BIOL 391W each with a C- or higher.

Fall and Spring.

A seminar format course dealing with different topics in each section each semester. Students give in-class presentations. A synthesis paper written by the student on some aspect of the topic is also required. Presentation of this paper occurs on a Saturday late in the semester. This course partially satisfies the writing intensive requirement.

BIOL 492. Undergraduate Research Experience (credits vary 1-4)

Prerequisites: BIOL 213/213L with a C or higher; minimum 2.5 GPA and Junior standing.

Fall, Spring and Summer.

This course provides the qualified student an opportunity for scientific research under the supervision of a departmental faculty member. The topic, time-line, and criteria for evaluation are agreed upon in writing by the student and supervising instructor before the student can register for the course. *Course may be repeated for a total of 4 credits. (A six credit maximum from any combination of BIOL 492, BIOL 496, and BIOL 499 can be counted toward the biology degree.)*

BIOL 495. Special Topics (credits vary 1-4)

Prerequisite: As announced.

Fall, Spring and Summer.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. Biology majors may apply no more than nine credits of elementary, intermediate, or advanced topics toward graduation. May require additional prerequisites as set by instructor.

BIOL 496. Practicum (credits vary 1-3)

Prerequisites: BIOL 213/213L with a C or higher; minimum 2.5 GPA and Junior standing.

Fall, Spring and Summer.

This course consists of an internship with an organization, usually external to the University, in which the student gains applied experience in some area of the biological sciences. Specific details of course requirements can be found in the agreement file maintained by the OENB Office. A maximum of three credits can be counted toward the degree. *(A six credit maximum from any combination of BIOL 492, BIOL 496, and BIOL 499 can be counted toward the biology degree.)*

BIOL 499. Problems in Biology (credits vary 1-3)

Prerequisites: BIOL 213/213L with a C or higher; minimum 2.5 GPA; Junior standing; consent of department chair.

Fall, Spring and Summer.

An opportunity for independent study or literature review with guidance of a faculty advisor. No more than three credits may be applied to the degree. *(A six credit maximum from any combination of BIOL 492, BIOL 496, and BIOL 499 can be counted toward the biology degree.)*

BIOTECHNOLOGY AND MANAGEMENT PROGRAM

Dr. William Donaldson
 (757) 594-7836
 william.donaldson@cnu.edu
 Luter Hall 238

The biotechnology and management program is designed for students who are interested in pursuing careers at the intersection of science and business. Through coursework and internships, students will be prepared for graduate work as well as entry into businesses focused on biotechnology and related areas.

Students accepted into the program select a major in life sciences and complete a minor in business administration, with additional coursework and a focus on entrepreneurship in life sciences. Students also will attend a focused speaker series and complete an internship in biotechnology.

Scholarships

Students selected for the biotechnology and management program must be admitted to the Honors Program and will receive the benefits associated with this program in addition to those in the biotechnology and management program. Scholarships are tied to Honors participation and will be renewed each semester if the student meets requirements as outlined in the *Biotechnology and Management Student Contract*.

Eligibility

Students apply to the biotechnology and management program during their senior year in high school through an application process separate from the CNU admission process. Applications for the biotechnology and management program will be reviewed for strength of high school curriculum, including core curriculum courses, as well as a high school grade point average of at least a 3.7 (on a 4.00 scale), and a minimum total score of 1310 on the SATs (with at least a 600 on the quantitative test) or a composite score of 28 on the ACT (at least 25 on the ACT quantitative).

At the end of each academic semester, students are reviewed for program continuation in accordance with the standards outlined in the program *Student Contract*. Students must maintain a minimum cumulative GPA of 3.30 to continue in the program.

Program Requirements:

1. Complete a major in one of the life sciences. Students in the biotechnology and management program select one of the following life sciences majors offered at CNU:
 - BS in biology with a major in cellular, molecular, and physiological biology
 - BS in biology with a major in environmental biology
 - BS in biology with a major in organismal biology
 - BS in chemistry with a major in biochemistry
 - BS in interdisciplinary studies, neuroscience major
2. BUSN 210 Introduction to Biotechnology and Management.
3. BTMG 010, 020, 030, 040 Biotechnology and Management Activities.
4. MATH 125 Elementary Statistics and MATH 140 Calculus or 148 Accelerated Calculus as pre-requisites to BUSN 231 Applied Business Statistics.
5. CPSC 215 Software for Business Applications as a pre- or co-requisite to BUSN 231.
6. BUSN 480 Internship as approved by the director.
7. The minor in business administration - students in the life sciences and management program complete the minor in business administration:
 - a. ACCT 200 (preferred) or ACCT 201, BUSN 231 each with a minimum grade of C;
 - b. ECON 201 and 202;
 - c. BUSN 303;
 - d. FINC 300;
 - e. BUSN 448 or 495, or BUSN 442 for biotechnology students only.
8. Students are strongly encouraged to take PHIL 207, Ethical Issues in Business, which satisfies the logical reasoning requirement of the liberal learning foundations, or PHIL 384 Medical Ethics which satisfies the area of inquiry western traditions requirement.

Four Year Plan of Study:

First Year:

- Speaker series: BTMG 010

Second Year:

- Speaker series: BTMG 020
- BUSN 210

Third Year:

- Speaker series: BTMG 030
- BUSN 480 (May be completed during the summer after the third year)

Fourth Year:

- Speaker series: BTMG 040
- BUSN 442

BUSN 480 Internship in Business-Biotechnology

Prerequisite: BSBA major or biotechnology and management program with at least junior standing or permission of the School of Business.

This is a hands-on course supervised by faculty. Local area organizations commit themselves to participate in a learning experience with the student. Presentations to faculty, outside organizations and students are given at the end of the term.

THE CURRICULUM IN BIOTECHNOLOGY AND MANAGEMENT

BTMG 010, 020, 030, 040 Biotechnology and Management Activities (0-0-1)

Students in the biotechnology and management program participate in major intellectual events focused on life sciences, management, and/or biotechnology. Students will also meet as specified by the Director of the Biotechnology and Management Program. This course is graded pass/fail.

BUSN 210 Introduction to Biotechnology and Management (3-3-0)

Spring.

This course is focused on how biological and related sciences apply to industry and business. It introduces students to the biotech industry, including the players and their challenges in basic science, medical devices, pharmaceuticals, distribution and sources of capital. Students will learn about the biotech value chain which begins with science and innovation and ends with a health care solution delivered to a patient. Students will understand the business facets of this chain in development, manufacturing, distribution and employment.

BUSN 442 Luter Business Institute -Biotechnology (3-3-0)

Prerequisite: ENGL 223, and a minimum grade of C in BUSN 210 and BUSN 303.

This is a hands-on course in which teams of senior students in the biotechnology and management program, in concert with business majors, conduct a semester-long business internship/consulting project with an established or emerging biotechnology entity. Teams will consult with existing and proposed entities on biotechnology based opportunity identification and verification, market attractiveness, technology commercialization, product development, and deployment. Students will gain theoretical and practical knowledge as well as real-world exposure to the dynamic forces affecting biotechnological firms. Students will have an opportunity to develop and refine critical thinking and written and oral communication skills in their final consultation reports to the business client.

JOSEPH W. LUTER, III SCHOOL OF BUSINESS

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Associate Professor: Frucot, Hall, Rahim
Assistant Professor: Barahona, Chung, Ficht
Lecturer: Guha
Instructor: Brooks, Lingenfelter, Morris
Emeriti: Bardwell, Fellowes, Jordan, Riley, Schell

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Professor: Ebbs
Associate Professors: Hasbrouck, Hettche, McMahan, Shaltayev
Assistant Professor: Choi, Donaldson, Kim
Lecturer: Spranger
Instructor: Walker
Emeriti: Coker, Hunter, McCubbin, Mills

The Joseph W. Luter, III School of Business offers the Bachelor of Science in Business Administration (B.S.B.A.) with majors in accounting, finance, management and marketing. Admission to the Luter School of Business is competitive. Students apply for acceptance during the semester in which they will complete a minimum of 54 credit hours of coursework and all pre-business requirements. The B.S.B.A. is fully accredited by AACSB International, the Association to Advance Collegiate Schools of Business. AACSB is the premier accrediting body for business programs worldwide.

Vision and Mission Statement of the Luter School of Business

Our vision is to be a preeminent public liberal arts undergraduate business program and to serve a diverse population of high achieving students.

Our mission is to educate and prepare undergraduate students for successful careers in business and service to society. We seek to develop students intellectually, professionally, and personally through a liberal arts based rigorous program that will distinguish them as critical thinkers, articulate communicators, and ethical business leaders. The Luter School enrolls a highly selective student body primarily from Virginia and the surrounding region. Students develop multi-disciplinary competencies and specialized skills necessary to excel in prestigious graduate programs and the global economy. The faculty provides high-

quality, student centered instruction that both challenges and inspires students. Faculty members produce peer-reviewed, discipline-based, applied and pedagogical research and other intellectual contributions to their respective fields. The Luter School actively engages with private and public sectors to provide leadership, learning, and service opportunities. Quality is assured by maintenance of accreditation with AACSB International.

LUTER BUSINESS INSTITUTE

Student teams provide business consulting assistance to regional businesses. Top teams compete annually in national competitions. They have earned several awards over the years for their cases based on projects completed with businesses in the Hampton Roads area.

The primary mission of the Institute is to enhance the success of businesses by assisting them in finding workable, practical, solutions to real world problems. Common types of assistance offered are business plans, management and human resources plans, marketing plans, market research studies, compliance plans, corporate philanthropy plans, and promotional plans; accounting, financial, and business systems analysis; and web site development. Teams of senior-level students, under faculty supervision of the LBI Director, provide semester-long business consultation to selected small businesses. Selection of clients is based on application and interview with the Institute Director.

Formal Acceptance to the Luter School of Business for the Bachelor of Science in Business Administration (B.S.B.A.)

All students who wish to earn a B.S.B.A. Degree must make formal application to the Luter School. Application is made online at the Luter School of Business internal website in the term in which the pre-business requirements will be completed. Acceptance decisions are based on a student's cumulative GPA and completion of the pre-business requirements. The director's office will notify students of the application decisions within two weeks of applications closing. The application period is the first two weeks of the term in both fall and spring. A student may apply twice to the B.S.B.A. program.

Minimum application Requirements

1. A minimum of 54 hours of coursework including the term in which application is made.
2. All the pre-business courses (ACCT 201-202, BUSN 231, CPSC 215, ECON 201, 202, MATH 125, MATH 135 (recommended) or MATH 140 or 148, and PHIL 207) **with a minimum grade of C in each course.**
3. An overall GPA of 3.00 or higher.

A student with a cumulative GPA of at least 3.00 at the time of application may be conditionally accepted into the B.S.B.A. program. First semester transfer students who do not have a cumulative CNU GPA are ranked according to their final cumulative GPA from their prior institution. The final acceptance decision will be made at the conclusion of the term in which the application is made and will be based on successful completion of the pre-business courses and overall cumulative GPA at that time. The admission process is competitive, and meeting the minimum GPA does not guarantee acceptance into the business program.

Degree Qualification Requirements for Graduation with a B.S.B.A. Degree

1. Effective for degree-seeking students entering the University in the Fall Semester 2003 and after, general education/liberal learning curriculum, major, minor, and concentration requirements for graduation must be completed according to the University Catalog in effect at the time of admission to the University. **Note:** The B.S.B.A. curriculum may change and the Luter School of Business has the right to substitute courses in place of courses retired from the catalog.
2. Students may have earned no more than one grade below a C- in the business core and no more than one grade below C- in the specific major courses.
3. Senior students are required to participate in program assessment activities.
4. Two majors under the B.S.B.A. degree may be declared. **Note:** Only one degree is awarded and two B.S.B.A. majors may require more than 120 credit hours to graduate.
5. At least 50 percent of the business credit hours required for the B.S.B.A. must be earned at CNU.

B.S.B.A. Course Restrictions

Students not planning to major or minor in business may enroll in any lower division business course as long as they have met the course prerequisites and space is available. Non-business majors may take up to a maximum of nine semester hours of upper division B.S.B.A. courses. They must meet the course prerequisites and obtain approval from the office of the director.

The Minor in Business Administration (21 credits)

This interdisciplinary program in business administration is designed for students who are not seeking the B.S.B.A. and who desire to acquire skills in the basic concepts and practices inherent in and allied to the field of business administration. The minor program in business administration requires successful completion of the following:

1. ACCT 200 (preferred) or ACCT 201, BUSN 231¹ each with a minimum grade of C;
2. ECON 201 and 202;
3. BUSN 303;
4. FINC 300;
5. BUSN 448 or 495, or BUSN 442 for biotechnology students only.

¹ BUSN 231 requires additional prerequisites: MATH 125; MATH 135 (recommended), MATH 140 or 148; and CPSC 215.

The Minor in International Culture and Business

Students may also be interested in the International Culture and Business Minor as described in this publication (see index).

The Bachelor of Science in Business Administration Majors

Students can choose among four areas of study in the B.S.B.A. degree: accounting, finance, management, and marketing. The majors consist of six courses (18 credit hours) beyond the business core curriculum.

Accounting

While accounting has been referred to as the "language of business," it is really much more. Accounting information is a critical element in the decision making processes of virtually all economic entities. Governments, nonprofit organizations, and individuals must all rely on accounting information in making economic decisions.

Those with an understanding of accounting are in a unique position to provide valuable assistance to businesses and others making economic decisions. As a result, there are always employment opportunities available for individuals with the skills to create, analyze, and interpret accounting information.

Accountants are found at the highest levels of responsibility in a wide variety of organizations. These include federal, state, and local governments and nonprofit organizations, as well as business and industry of all types.

Accounting graduates also frequently use their training to enhance non-accounting careers in management, finance, law and governmental administration. A degree in accounting provides a solid foundation for a variety of successful career paths.

Finance

Finance is the lifeblood of business. Without knowledge of the financial implications of business decisions, managers can make serious mistakes. Proper financial analysis helps business leaders make the choices that add value for the firm's stakeholders, reflects the preferences of consumers, and facilitates economic growth and prosperity as innovative products and services receive the proper level of support from investors. From an academic standpoint, finance sits at the intersection of many business disciplines. Using economic analysis of accounting statements, financial researchers and managers discern and enact successful corporate strategies. This includes how to make better decisions about everything from marketing activities to hiring decisions to information technology implementation.

Management

Management offers the greatest flexibility and broadest application of all the business majors by challenging our students to understand both the social and technical aspects of an organization. A major in management helps students develop the skills and tools necessary to pull both people and projects together in an effective and efficient manner, competencies that contribute greatly to the success of an organization. In the Luter School of Business, management education does not just take place in the classroom; students learn by doing here. Students work in teams to manage virtual companies using online simulation in which they apply business principles to make decisions about a future course of action. Students learn to use critical thinking and analytical skills to make decisions and take action when facing a novel or complex problem. Students also learn to express ideas clearly, and to lead, plan and organize a diverse and changing workforce. An emphasis on ethical standards is an integral part of the management curriculum. The management major prepares students for the challenges of our ever-changing, global, and information-rich society.

Marketing

The field of marketing is hot, and the use of direct and interactive marketing in today's business world is booming! Direct and interactive marketing is now at the center of the communications revolution, and is being used with great fervor by businesses, organizations, associations and individuals across the world. Today's marketers must know how to leverage new information, communication, and distribution technologies to connect more effectively with customers in this digital age. Social and mobile media developments are dramatically changing how marketers create and communicate customer value. The CNU Luter School of Business is one of the few undergraduate institutions nationwide to offer a degree program specializing

in cutting-edge direct and interactive marketing. This program emphasizes the development of integrated marketing communication strategies which support an organization's mission and strategic business initiatives. Students will learn how to connect and engage with customers via database marketing targeting consumers with messages that are relevant, timely, and highly measurable. This major offers many experiential learning opportunities enabling students to go beyond theories and strategies to the actual creation and implementation of marketing plans and campaigns for real-world companies. Students are challenged to examine how digital marketing is evolving and how emerging technology can be used to engage consumers to create profitable customer relationships. CNU's marketing program is known and respected nationwide as its students have repeatedly won the highest and most coveted award in the direct and interactive marketing industry, the Collegiate Gold ECHO Award.

All majors within the B.S.B.A. require the successful completion of the liberal learning curriculum, the pre-business requirements, and the business core. Note that some of the pre-business courses also satisfy liberal learning curriculum requirements. In addition, students must complete the specific courses as listed for their chosen major.

The Business Core

The core courses are designed to give all business graduates the fundamentals necessary to succeed in the global business environment. All students must complete the following upper-division core:

1. BUSN 276L Software Applications for Business
2. BUSN 277L Access for Business Applications
3. BUSN 300 Organizational Behavior
(Minimum grade of C required for management majors)
4. BUSN 304 Operations Management
(Minimum grade of C required for management majors)
5. BUSN 305 Introduction to Data Analytics
(BSBA Finance, Management and Marketing majors)
or BUSN 370 Accounting Information Systems & Data Analytics *(BSBA Accounting majors only)*
6. BUSN 311 Marketing Management
(Minimum grade of C required for marketing majors)
7. BUSN 323 Corporate Finance
(Minimum grade of C required for finance majors)
8. BUSN 351 Business Law I
9. BUSN 418 Strategic Management

In addition, students must complete one of the following majors:

Accounting Major

1. Business Core;

2. ACCT 301, 302, 303, 401, 405, 406W;
3. Select one: ACCT 352, 402, 451, 452, 461, 495 or 499.

Note: ACCT 201 and ACCT 202 minimum grade of *B*-required.

Finance Major

1. Business Core;
2. FINC 324, 325, 422, 425, 428W;
3. Select one: FINC 424, 454, 495 or 499.

Note: BUSN 323 minimum grade of *C* required.

Management Major

1. Business Core;
2. MGMT 310, 355, 400, 410, 491W;
3. Select one: BUSN 440, MGMT 330, 454, 455, 495 or 499.

Note: BUSN 300 and 304 minimum grade of *C* required.

Marketing Major

1. Business Core;
2. MKTG 310, 330W, 455, 460, 470;
3. Select one: MKTG 420, 454, 495 or 499.

Note: BUSN 311 minimum grade of *C* required.

THE CURRICULUM IN BUSINESS

BUSN 205. Business Practicum (1-0-1)

Prerequisites: Pre-business students must have 30 earned credit hours, a 3.0 GPA, and permission of the School of Business.

As needed.

This course allows students to experience work in a professional environment early in the undergraduate academic career, identify or clarify career goals, and participate in internships that do not qualify for the academic internship (BUSN 480). Applications are available in the office of the director and should be submitted prior to registration for the semester in which the practicum is undertaken. This course is graded pass/fail.

BUSN 210 Introduction to Biotechnology and Management (3-3-0)

Spring.

This course is focused on how biological and related sciences apply to industry and business. It introduces students to the biotech industry, including the players and their challenges in basic science, medical devices, pharmaceuticals, distribution and sources of capital. Students will learn about the biotech value chain which begins with science and innovation and ends with a health care solution delivered to a patient. Students will understand the business facets of this chain in development, manufacturing, distribution and employment.

BUSN 231. Applied Business Statistics (3-3-0)

Prerequisites: A minimum grade of C in MATH 125.

Pre or Corequisite: CPSC 215; MATH 135 or 140 or 148.

Fall and Spring.

This course introduces students to the strategic value of data and statistical analysis within the context of real-world business problems. Students also learn the value of statistical information in making informed judgments and business process improvements. Specifically, the course concentrates on the application of statistics to understand and improve business decision making through the use of practical knowledge-based tools, regression models, and statistical inference. The student will also become familiar with different types of data collection and measurements. Students are strongly advised to take this course as soon as the prerequisites are completed.

BUSN 276L. Software Applications for Business (2-0-2)

Prerequisite: CPSC 215, BSBA majors or permission of the School of Business.

Fall and Spring.

This course helps students to master advanced Excel and Access functionality and to apply those skills to various scenarios across multiple business disciplines. The course assumes familiarity with basic Excel and Access capacities, such as table formatting, use of basic functions, and database principles. Topics will include graphs and charts, the use of advanced formulas, manipulating data, recording and running macros, troubleshooting formulas, database design, learning how to create advanced SQL queries and designing functional data entry forms and reports. Working knowledge of Microsoft Excel and databases such as Access are foundational skills required in a variety of industries and are broadly used by business professionals.

BUSN 277L. Access for Business Applications (1-0-1)

Prerequisite: CPSC 215, BSBA majors or permission of the School of Business.

Fall and Spring.

This course focuses on Microsoft Access which is a very flexible and powerful database tool, which allows students to learn how databases are organized, how data are stored and retrieved from the tables, and how user friendly data entry forms and reports are designed. The course assumes that students are familiar with basic Access capabilities. Topics covered will include database design principles, learning how to create advanced SQL queries, and designing functional data entry forms and reports. Working knowledge of databases is one of the foundational skills required from many business professionals.

BUSN 300. Organizational Behavior (3-3-0)

Prerequisite: ENGL 223, BSBA majors or permission of the School of Business.

Fall and Spring.

This course provides a comprehensive analysis of individual and group behavior in organizations by adopting a behavioral science approach. Students will develop an understanding of how organizations can be managed to operate more

effectively and efficiently while, at the same time, enhancing the quality of employee work life. A minimum grade of *C* is required for management majors.

BUSN 302. Business Law for the Arts (3-3-0)

Prerequisite: ENGL 223.

As needed.

The objective of this course is to introduce performing artists, visual artists and film artists to legal and business issues common to the entertainment industry. Through a combination of cases, text materials, and hypothetical problems, we will learn about contract law and the types of contracts that are common in the industry, copyright and other intellectual property issues and licensing and royalty requirements. We will also explore how the industry is changing as a result of new technology.

BUSN 303. Fundamentals of Business (3-3-0)

Prerequisite: ENGL 223 and ACCT 200 (preferred) or 201.

Fall and Spring.

This course helps students gain a solid understanding of the components of a business, its external environment, and the interactions between them. Students will engage in decision-making and problem solving in that setting. Ethics, leadership, employee empowerment, the impact of technology and the global market are topics of discussion. Students will be exposed to case-based learning in the course and will have the opportunity to develop critical thinking skills, team skills, written and oral communication skills throughout the course.

BUSN 304. Operations Management (3-3-0)

Prerequisite: BUSN231, BSBA majors or permission of the School of Business.

Fall and Spring.

Understanding the role of the operations function and its impact on the competitiveness of the firm is an important part of any manager's training. Operational issues include designing, acquiring, operating, and maintaining facilities and processes; purchasing raw materials; controlling and maintaining inventories, and providing the proper labor needed to produce a good or service so that customers' expectations are met. This course in operations management is intended to be a survey of operating practices and models in both manufacturing and service oriented firms. A minimum grade of *C* is required for management majors.

BUSN 305. Introduction to Data Analytics (3-3-0)

Prerequisite: BUSN 231, BSBA majors or permission of the School of Business.

Fall and Spring.

Businesses, governments, and individuals create massive collections of data as a by-product of their activities. Increasingly, decision-makers rely on intelligent technology to analyze data systematically in order to improve decision-making. In many cases automating the analytical and

decision-making process is necessary because of high volume of data and the speed at which new data are generated. This course will examine how data analytics can be used to improve decision-making. We will study fundamental principles and techniques of data mining, and data visualization. Real-world examples and cases will be analyzed to illustrate applications of data mining and develop data analytics thinking.

BUSN 311. Marketing Management (3-3-0)

Prerequisite: ENGL 223, BSBA majors or permission of the School of Business.

Fall and Spring.

An introduction to analysis and management of customer satisfaction in goods and services markets by profit and nonprofit organizations. Buyer behavior, market segmentation and product positioning, product policy, pricing, distribution, sales force and advertising management, and market research are examined in the contexts of strategy development, decision making, implementation, and control. A minimum grade of *C* is required for marketing majors.

BUSN 323. Corporate Finance (3-3-0)

Prerequisites: ACCT 201 and ECON 201 or 202 and MATH 125; BSBA majors or permission of the School of Business.

Fall and Spring.

This course examines the financial decisions inherent in the effective management of the business organization. Topics include the environment of managerial finance, financial analysis, planning and control, the relationship between risk and return, stock and bond valuation, the cost of capital, long-term financing, the effects of leverage, working capital management, and the conduct of business in a multinational environment. A minimum grade of *C* is required for finance majors.

BUSN 340. Non-Profit as Business Enterprise (3-3-0)

Prerequisite: junior standing.

Fall.

As required for the Civic Engagement and Social Entrepreneurship minor, this course is designed to achieve a distinctive outcome within our broadly stated program goal, to explore issues of social and political justice; business and economic opportunity; equal access to education, health care and the arts; and environmental conservation as well as cross-cultural understanding both within the United States and internationally. This course will teach students a unique methodology using analytic business tools; to engage students thoroughly in service learning with actual operating civic and charitable institutions; and, to address compelling legal, management, social, business and economic issues pertaining to one of our most significant social institutions, the public charity, also known as the NPO. Counts for 30 hours towards Service Distinction.

BUSN 351. Business Law I (3-3-0)

Prerequisite: ENGL 223, BSBA majors or permission of the

School of Business.

Fall and Spring.

Understanding our legal system and legal principles is essential for all business students. This course presents the students with opportunities to explore important topics in business law, including contracts, entity formation, corporations, agency, employment, and other pertinent substantive areas. Because decision-making at all levels must take legal consequences into account, the study of business law requires and develops critical thinking skills, logic, and reasoning.

BUSN 352. Business Law II (3-3-0) [Same as ACCT 352] [Formerly ACCT 350, equivalent]

Prerequisites: ENGL 223, BSBA majors or permission of the School of Business.

As needed.

This course covers advanced topics in business law that are particularly important to accounting and finance majors. The course covers legal and professional responsibilities of accountants and finance professionals, business organizations and securities laws, debtor creditor relations, and negotiable instruments law.

BUSN 370. Accounting Information Systems and Data Analytics (3-3-0)

Prerequisites: CPSC 215 and ACCT 202. Open to accounting majors only or permission of the School of Business.

Fall and Spring.

This course examines the nature and role of information systems technologies as an integrative and enabling function in contemporary organizations. Topics include data analytics, modeling, enterprise systems, transaction processing, e-business, database design and development, security issues, and accounting controls. Analysis of basic transaction processes such as the sales and order-fulfillment cycles illustrates the fundamental importance of information technology in the conduct of management, accounting, and operations functions.

BUSN 395. Topics in Business (credits vary 1-3)

Prerequisites: As announced. BSBA majors or permission of the School of Business.

As needed.

Topical seminars or courses in business areas of current interest.

BUSN 418. Strategic Management (3-3-0)

Prerequisites: BUSN 300, 304, 311, 323, BSBA majors and senior standing or permission of the School of Business.

Fall and Spring.

This course is the capstone for the B.S.B.A. degree and is taken in the senior year. Strategic management entails making long-range plans for organizations. This course utilizes business case studies to examine corporate strategies. Students are taught the strategic management process and apply that process using a sophisticated multi-period

simulation throughout the term. Decisions are made from the perspective of top management. The course is designed to integrate and apply skills acquired throughout the business core curriculum. Global strategic management and corporate ethics are also explored.

BUSN 440. Luter Business Institute (3-3-0)

[Formerly BUSN 440W, not equivalent]

Prerequisites: ENGL 223, and a minimum grade of C in BUSN 303 or BUSN 300 or permission of the LBI Director.

Fall and Spring.

A hands-on field-based business consulting and research course in which teams of senior students provide semester-long business consultation to selected businesses in the Hampton Roads area. Areas of assistance include business plans, management and human resource plans, marketing plans, market research studies, compliance plans, corporate philanthropy plans, and, promotional plans; accounting, financial, operational, and business systems analysis; and web site development. Students gain real-world exposure to the dynamic forces affecting firms. Students have an opportunity to refine critical thinking, written and oral communication skills in the development and presentation of professional-caliber consultation reports and casebooks to clients.

BUSN 442 Luter Business Institute -Biotechnology (3-3-0)

Prerequisite: ENGL 223, and a minimum grade of C in BUSN 210 and 303.

As needed.

This is a hands-on course in which teams of senior students in the biotechnology and management program, in concert with business majors, conduct a semester-long business internship and consulting project with an established or emerging biotechnology entity. Teams will consult with existing and proposed entities on biotechnology based opportunity identification and verification, market attractiveness, technology commercialization, product development, and deployment. Students will gain theoretical and practical knowledge as well as real-world exposure to the dynamic forces affecting biotechnological firms. Student will have an opportunity to develop and refine critical thinking and written and oral communication skills in their final consultation reports to the business client.

BUSN 448. Enterprise Management (3-0-3)

Prerequisite: ENGL 223, and a minimum grade of C in BUSN 303.

Prerequisite or Corequisite: FINC 300 with a minimum grade of C.

Fall and spring.

Enterprise management entails making long-range plans for organizations, executing those plans, and effectively managing the enterprise. Students will review functions of the business enterprise and learn the process of strategic planning. The course is designed to integrate and apply knowledge and skills acquired throughout the business minor curriculum.

BUSN 480. Internship in Business (3-0-3)

Prerequisite: BSBA major or Biotechnology Management Program with at least junior standing or permission of the School of Business.

As needed.

This is a hands-on course supervised by faculty. Local area organizations commit themselves to participate in a learning experience with the student. Presentations to faculty, outside organizations and students are given at the end of the term. Applications are available on the Luter School of Business website.

BUSN 491. Brout Seminar (3-3-0)

Prerequisite: junior standing or permission of the School of Business.

As needed.

This is a seminar course designed and taught by the Brout Professor. The topic changes each year.

BUSN 495. Advanced Topics in Business (credits vary 1-3)

Prerequisite: As announced. BSBA majors or permission of the School of Business.

As Needed.

Topical seminars or courses in business areas of current interest.

THE CURRICULUM IN ACCOUNTING

ACCT 200. Accounting Concepts (3-3-0)

Prerequisite: sophomore standing, closed to accepted BSBA students.

Fall and spring.

This course is designed for non-business majors. It examines accounting concepts from the perspective of financial statement users, rather than statement preparers. Topics include: introduction to accounting, balance sheets, statement of cash flows, income statement analysis, and the use of financial data to make decisions. This course does NOT replace ACCT 201 for BSBA majors.

ACCT 201. Principles of Accounting I: Financial (3-3-0)

Prerequisite: sophomore standing or permission of the School of Business. Recommended corequisite: CPSC 215.

Fall and spring.

This course provides an introduction to accounting principles and financial reporting and demonstrates how decision makers use accounting information for reporting and management purposes. Emphasis is placed on analysis and interpretation, as well as preparation of accounting information and its use in the operation of organizations.

ACCT 202. Principles of Accounting II: Managerial (3-3-0)

Prerequisites: ACCT 201 and sophomore standing or permission of the School of Business. Pre or corequisite: CPSC 215.

Fall and spring.

This course introduces cost and managerial accounting, focusing on product costing and the use of accounting information within the organization to provide direction and to judge performance.

ACCT 301. Intermediate Accounting I (3-3-0)

Prerequisites: ACCT 201, 202, CPSC 110 or 215, restricted to BSBA accounting majors or permission of the School of Business.

Fall and spring.

The study and application of generally accepted accounting principles for accumulating and reporting financial information about businesses. Emphasis is placed upon revenue recognition, accounting for cash, receivables, inventories, property, plant and equipment, and intangible assets.

ACCT 302. Intermediate Accounting II (3-3-0)

Prerequisite: ACCT 301 with a minimum grade of C, restricted to BSBA accounting majors or permission of the School of Business.

Fall and spring.

The study and application of generally accepted accounting principles for accumulating and reporting financial information about businesses. Emphasis is placed upon accounting for current liabilities and contingencies, long-term liabilities, stockholders' equity, investments, leases, and preparation of the statement of cash flows.

ACCT 303. Cost/Managerial Accounting (3-3-0)

Prerequisites: ACCT 201, 202, and BUSN 231, BSBA accounting majors or permission of the School of Business.

Fall and spring.

This course applies concepts of cost and managerial accounting in providing cost data for planning and controlling routine manufacturing, productive and supporting operations. The course emphasizes the relevance of cost concepts to modern decision tools.

ACCT 352. Business Law II (3-3-0) [Formerly ACCT 350, equivalent] [Same as BUSN 352]

Prerequisites: ENGL 223, BSBA majors or permission of the School of Business.

As needed.

This course covers advanced topics in business law that are particularly important to accounting and finance majors. The course covers legal and professional responsibilities of accountants and finance professionals, business organizations and securities laws, debtor creditor relations, and negotiable instruments law.

ACCT 395 Special Topics in Accounting: Professional and Legal Responsibilities of Accountants

Prerequisites: As announced. Accounting majors or permission of the School of Business.

Spring.

This course is designed to acquaint accounting majors with

the legal and ethical requirements of the profession. The course covers the principles, rules, and regulations governing the conduct of CPAs. This course will prepare the student to work within the legal framework established by statute, regulation and to a lesser extent, the common law.

ACCT 401. Taxation (3-3-0)

Prerequisites: ACCT 201, 202, BSBA majors or permission of the School of Business.

Fall and Spring.

Students are introduced to the concepts and principles of income taxation as they apply to individuals and businesses.

ACCT 402. Advanced Taxation (3-3-0)

Prerequisite: ACCT 401; BSBA majors or permission of the School of Business.

This course is a study of the principles of federal taxation as applied to corporations, partnerships, estates, trusts, and gifts.

ACCT 404. Volunteer Income Tax Assistance (1-0-1)

Corequisite: ACCT 401.

Spring.

Students participate in the Internal Revenue Service's VITA program, preparing federal income tax returns for low income taxpayers. Students gain experience using professional tax preparation software and applying the income tax law to real life situations. The course may be repeated twice for a total of three credits and is graded pass/fail.

ACCT 405. Auditing (3-3-0)

Prerequisites: ENGL 223 with a C- or higher; ACCT 302 with a minimum grade of C, BSBA accounting majors, senior standing or permission of the School of Business.

Fall and spring.

This course presents a conceptual approach to auditing principles and procedures in the preparation of auditing reports. Professional standards and ethics are emphasized.

ACCT 406. WI: Case Studies in Accounting (3-3-0)

Prerequisites: ENGL 223 with a C- or higher; ACCT 302 with a minimum grade of C, BSBA accounting majors, senior standing or permission of the School of Business.

Fall and spring.

This course requires that students apply the theoretical concepts learned in financial, tax, cost, accounting information systems and auditing courses to analyze case studies. Emphasis will be placed on improving analytical and writing skills, while recognizing the need for professional skepticism. This course partially satisfies the writing intensive requirement.

ACCT 451. Governmental & Nonprofit Accounting and Selected Topics (3-3-0)

Prerequisite: ACCT 302 with a minimum grade of C, BSBA accounting majors or permission of the School of Business.
Fall.

This course covers accounting and financial reporting for governmental entities and other nonprofit organizations. Selected topics associated with accumulating and reporting financial information about businesses are covered in this course.

ACCT 452. Advanced Financial Accounting (3-3-0)

Prerequisite: ACCT 302 with a minimum grade of C, BSBA accounting majors or permission of the School of Business.
Spring.

This course covers accounting for investment in equity securities, business combinations, consolidation of financial information, segment and interim reporting and an overview of SEC reporting.

ACCT 461. International Financial Reporting Standards (3-3-0)

Prerequisites: ACCT 302 with a minimum grade of C, BSBA accounting majors or permission of the School of Business.
Fall.

This course is an introductory course to IFRS. Core concepts and key elements of the International Financial Reporting Standards (IFRS) will be discussed. Students will recognize the significant differences and similarities between U.S. GAAP and IFRS, understand, implement and apply the key elements of the standards, and analyze financial statements prepared in accordance with IFRS.

ACCT 480. Internship in Accounting (3-0-3)

Prerequisite: BSBA accounting major with at least junior standing or permission of the School of Business.

As needed.

This is a hands-on course supervised by a faculty mentor. Local area organizations commit themselves to participate in a learning experience for the student that is related to the major in accounting. Projects are determined in a joint process between the faculty mentor, host agency and student. A semester-long deliverable is due at the end of the project requiring an extensive written report and presentation for both faculty mentor and the host agency. Applications are available on the Luter School of Business website.

ACCT 495. Advanced Topics in Accounting (3-3-0)

Prerequisites: As announced. BSBA majors or permission of the School of Business.

As needed.

Topical seminar in accounting.

ACCT 499. Independent Study in Accounting (3-3-0)

Prerequisites: ACCT 201, ACCT 202 with a minimum grade of B-, junior standing, BSBA majors or permission of the School of Business.

As needed.

Provides students with an opportunity for independent study or research with guidance of an accounting faculty member.

THE CURRICULUM IN FINANCE

FINC 210. Personal Finance (3-3-0)

Fall and spring.

This course is closed to accepted BSBA students.

This course is designed to teach students to exercise intelligent control over their income, expenditures, borrowing, saving, investments and financial planning.

FINC 300. Managerial Finance (3-3-0)

Prerequisites: ACCT 200 (preferred) or 201, and ECON 201 or 202 and MATH 125.

Fall and spring.

This course is closed to accepted BSBA students.

This course will prepare students with knowledge and understanding of the basics of financial management and the evolving role of financial managers. Topics typically covered in this course include: mathematics of finance, valuation of securities, financial analysis, working capital management, cost of capital, capital budgeting, long and short term financing, international financial management, and financial planning.

FINC 324. Principles of Investment (3-3-0)

Prerequisite: BUSN 323, BSBA majors or permission of the School of Business.

Fall and Spring.

This is a survey course dealing with the investment characteristics of securities, the fundamentals of portfolio planning, and the operation and regulation of securities markets. This course focuses on analysis and solution of financial problems related to investment in stocks, bonds, mutual funds and derivative securities and includes analysis of market trends, timing of investments and the effects of taxation on investment strategy and policy.

FINC 325. Management of Financial Institutions (3-3-0)

Prerequisite: BUSN 323 with a minimum grade of C, BSBA majors or permission of the School of Business.

Spring.

The course focuses on the operating environment of financial institutions in terms of performance criteria, loan and investment policy, regulation, and social and economic implications. The course deals with the current and proposed changes in the functioning and role of banks, capital markets, insurance companies and other institutions providing financial products and services.

FINC 422. Intermediate Corporate Finance (3-3-0)

Prerequisite: BUSN 323 with a minimum grade of C, and BSBA majors or permission of School of Business.

Fall.

This is a course to strengthen students' knowledge of corporate financial management and the analytics of financial decisions, to a higher conceptual and analytical level than BUSN 323. The course will explore advanced financial

theories and the theoretical framework for financial analysis and decision-making. The following topics will be explored: capital budgeting, capital structure decisions, cost of capital determination, mergers and acquisitions, leveraged buyouts, and financial distress and bankruptcy.

FINC 424. Portfolio Management (3-3-0)

Prerequisite: FINC 324, BSBA majors or permission of the School of Business.

Spring.

The course will focus on advanced investment topics, focusing on building and managing portfolios of stocks, bonds, currencies and other financial assets. Topics may also include the role of physical assets in portfolio optimization and the institutional management of investment portfolios for individual investors (mutual funds, bank trust departments, hedge funds, etc.). The course will cover the theory and practice of managing portfolios of securities to achieve desired objectives. It will focus on methods of portfolio construction, asset allocation strategies, international diversification and the role of institutional management.

FINC 425. Risk Management (3-3-0)

Prerequisite: FINC 324, BSBA majors or permission of the School of Business.

Fall.

Risk management is a fundamental corporate and personal issue. Risks are encountered in both product and capital markets. This course identifies risks in each of these markets and explores the methods and devices used to mitigate those risks. Risk management may incorporate computer models and other tools. Emphasis is given to the use of derivative securities such as options, futures, and swaps in risk management.

FINC 428. WI: Financial Policy and Strategy (3-3-0)

Prerequisites: ENGL 223 with a C- or higher, FINC 324, 422, BSBA majors or permission of the School of Business.

Spring.

The capstone course in finance deals with the strategies of corporate financial management. This is also a writing intensive course, involving team case studies and presentations of case solutions. This course partially satisfies the writing intensive requirement.

FINC 454. Study Abroad in Finance (3-3-0)

Prerequisite: Sophomore standing and consent of instructor. As needed.

This course, led by Luter faculty, is an in depth study of how business and the topic of finance is carried out in foreign institutions and organizations. The location and length of the study abroad portion of this course will vary based on the topic and instructor. The course will include a mix of some or all of the following; classroom orientation, lectures, discussion group activities and visits to institutions of significance related to the central theme of the course. The course is open to all students regardless of major. Criteria

for admission into the course may include an application process at the discretion of the instructor. In addition to tuition, there are fees collected in advance that are related to travel, accommodations and other curriculum-based activities.

FINC 480. Internship in Finance (3-0-3)

Prerequisites: BSBA major with at least junior standing or permission of the School of Business.

As needed.

This is a hands-on course supervised by faculty. Local area organizations commit themselves to participate in a learning experience for the student that is related to the major in finance. Projects are determined in a joint process between the faculty, host agency and student. A semester-long deliverable is due at the end of the project requiring an extensive written report and presentation for both faculty and the host agency. Applications are available on the Luter School of Business website.

FINC 495. Advanced Topics in Finance (credits vary 1-3)

Prerequisite: As announced. BSBA majors and permission of the School of Business.

As needed.

Topical seminars in finance.

FINC 499. Independent Study in Finance (credits vary 1-3)

Prerequisite: BUSN 323 with a minimum grade of C, BSBA majors and permission of the School of Business.

As needed.

Provides students with an opportunity for independent study or research with guidance of faculty advisor.

THE CURRICULUM IN MANAGEMENT

MGMT 310. Leadership in Business (3-3-0)

Pre or Corequisite: BUSN 300, BSBA majors or permission of the School of Business.

Spring.

Leaders establish direction for their organizations by developing a vision for the future. They develop strategies for attaining their vision, and share their vision with others in an effort to motivate and inspire. Leaders produce change. This course views leadership as a process, and explores the role of leader, follower, and context in that dynamic process. Topics include: the nature of managerial work, perspectives on effective leadership behavior, participative leadership, dyadic roles, behaviors for managing both work and relations, charismatic leadership, transformational leadership, power and influence, ethical leadership, leading in a global economy, leadership in teams and self-managed groups, strategic leadership by executives, and the development of leadership skills.

MGMT 330. Simulation Modeling for Business (3-3-0) [Formerly MGMT 430, equivalent]

Prerequisite: BUSN 304 with a minimum grade of C, BSBA

majors or permission of the School of Business.

As needed.

With modern, powerful computers, many decision makers are turning to simulation to make decisions about facility locations and layout; policies concerning inventory, production, space analysis, investment strategies, marketing strategies; and many other managerial decisions. Computer simulated models help managers study business systems and processes before they are implemented. Such studies allow for the evaluation of business systems performance and the identification of important factors that affect it. As a result, systems are designed to be efficient and productive, saving system implementation and fine-tuning cost. This course demonstrates how simulation can be applied to aid decision-making.

MGMT 355. Management Science (3-3-0)

[Formerly MGMT 420, equivalent]

Pre or Corequisite: BUSN 304, BSBA majors or permission of the School of Business.

Spring.

This course focuses on management science techniques used for problem solving and decision making in all areas of management. These techniques involve the application of mathematical modeling and an analytical approach to business problems. Students learn to determine which methods are appropriate for solving various types of problems. The primary goal of the course is to help students become more skilled builders and consumers of models. Another important goal is to encourage a more disciplined thinking process when approaching management situations. Management science and operations research tools such as linear programming, sensitivity analysis, and decision trees are covered.

MGMT 400. Human Resource Management (3-3-0)

Prerequisite: BUSN 300 with a minimum grade of C, BSBA majors or permission of the School of Business.

Fall.

This course examines the management of an organization's key resource, its people. Topics include job analysis, recruitment, selection, orientation and training, performance appraisal, diversity, compensation, benefits, legislation and labor law, and the role of unions and collective bargaining.

MGMT 410. Supply Chain Management (3-3-0)

Prerequisite: BUSN 304 with a minimum grade of C, BSBA majors or permission of the School of Business.

Fall.

Supply Chain Management deals with the management of the direct value adding activities across all the firms that contribute to the creation, manufacture and delivery of a product. Students will study and integrate the perspectives of different firms and different professional disciplines to develop a broader understanding of how to improve the performance of the entire supply chain. Specific issues include supply chain design, optimization of logistic

networks, inventory management, sourcing and supplier contracting, information technology, product design, and globalization.

MGMT 454. Study Abroad in Management (3-3-0)

Prerequisite: Sophomore standing and consent of instructor. As needed.

This course, led by Luter faculty, is an in depth study of how business and the topic of finance is carried out in foreign institutions and organizations. The location and length of the study abroad portion of this course will vary based on the topic and instructor. The course will include a mix of some or all of the following; classroom orientation, lectures, discussion group activities and visits to institutions of significance related to the central theme of the course. The course is open to all students regardless of major. Criteria for admission into the course may include an application process at the discretion of the instructor. In addition to tuition, there are fees collected in advance that are related to travel, accommodations and other curriculum-based activities.

MGMT 455. Leadership Assessment and Development (3-3-0)

Prerequisite: BUSN 300 with a minimum grade of C, BSBA majors or permission of the School of Business.

Pre or corequisite: MGMT 310.

As needed.

This course is designed to allow students to assess and develop their leadership capabilities in order to prepare them to be effective leaders in all phases of their lives. Data will be collected and generated through a variety of assessment methods. Students will learn how to interpret these data and use them to design personal development plans, design and execute projects, and evaluate the behavior of prominent business leaders.

MGMT 480. Internship in Management (3-0-3)

Prerequisite: BSBA major with at least junior standing or permission of the School of Business.

As needed.

This is a hands-on course supervised by faculty. Local area organizations commit themselves to participate in a learning experience for the student that is related to the major in Management. Projects are determined in a joint process between the faculty, host agency and student. A semester-long deliverable is due at the end of the course requiring an extensive written report and presentation for both faculty and the host agency. Applications are available on the Luter School of Business website.

MGMT 491. WI: Senior Seminar in Management (3-3-0)

Prerequisites: ENGL 223 with a C- or higher, BUSN 300 and 304; BSBA majors or permission of the School of Business. Fall and Spring.

A required seminar for all management majors, this course integrates concepts, theories, and practices explored in earlier

coursework and applies them to current issues in management. Specific content will be determined by the instructor. This course partially satisfies the writing intensive requirement.

MGMT 495. Advanced Topics in Management (3-3-0)

Prerequisite: As announced. BSBA majors or permission of the School of Business.

As needed.

Topical seminars in management.

MGMT 499. Independent Study in Management (credits vary 1-3)

Prerequisite: Permission of the School of Business.

As needed.

Provides students with an opportunity for independent study or research with guidance of a faculty advisor.

THE CURRICULUM IN MARKETING

MKTG 310. Interactive Marketing (3-3-0)

Pre or Corequisite: BUSN 311, BSBA majors or permission of the School of Business.

Spring.

An introduction to the theory and practice of personalized interactive marketing, including direct response advertising, measurability and accountability, lists and databases, and the cultivation of customer relationships. Emphasis will be placed on marketing strategies emerging from technological innovations in print, mobile, text, digital and social media and how new media and sophisticated customer databases continue to change the marketing landscape.

MKTG 330. WI: Digital Marketing (3-3-0)

Prerequisite: ENGL 223 with a C- or higher; BUSN 311 with a minimum grade of C, BSBA majors or permission of the School of Business.

Spring.

Digital media prompts opportunities and challenges for marketers to interact with consumers. Recent advances in communication technology have expanded e-business beyond the World Wide Web to an interactive, multi-platform, multi-device, digital environment. This course examines recent developments in digital marketing and considers the broad context of how consumers, technology, and marketing factor into the business exchange process. There is an emphasis in the course placed on constructing a framework for the strategic deployment of digital media in a consumer products marketing context. Topics include a survey of consumer digital devices, social networking, email marketing platforms, data surveillance and consumer privacy, effective graphic design, techniques in digital media production, website usability testing, and website performance metrics with Google Analytics. This course partially fulfills the writing intensive requirement.

MKTG 420. Consumer Research (3-3-0) [Formerly MKTG 320, equivalent]

Prerequisite: BUSN 311 with a minimum grade of C, BSBA majors or permission of the School of Business.

Spring.

This course will introduce students to theoretical frameworks regarding why and what we buy. Students will develop an understanding of the quantitative and qualitative research tools marketers use to develop consumer insights and make critical marketing decisions. Topics include the development of managerial strategies and the creation of marketing objectives, as well as the creation of consumer communications and the ongoing measurement of campaign success and brand health. Students will have the opportunity to practice various research techniques firsthand, and will work towards applying research findings to develop marketing recommendations.

MKTG 454. Study Abroad in Marketing (3-3-0)

Prerequisite: Sophomore standing and consent of instructor. As needed.

This course, led by Luter faculty, is an in depth study of how business and the topic of finance is carried out in foreign institutions and organizations. The location and length of the study abroad portion of this course will vary based on the topic and instructor. The course will include a mix of some or all of the following; classroom orientation, lectures, discussion group activities and visits to institutions of significance related to the central theme of the course. The course is open to all students regardless of major. Criteria for admission into the course may include an application process at the discretion of the instructor. In addition to tuition, there are fees collected in advance that are related to travel, accommodations and other curriculum-based activities.

MKTG 455. Marketing Analytics (3-3-0)

Prerequisite: BUSN 311 with a minimum grade of C, BUSN 305 and MKTG 310, BSBA majors or permission of the School of Business.

Corequisite: MKTG 460.

Fall.

Modern marketing is an increasingly analytical profession driven by the availability of big data and analytical techniques to improve decision making. This course exposes students to techniques and tools to convert massive customer data from varied sources into meaningful information. The course covers a spectrum of topics that include marketing metrics, web analytics, social media analytics, A/B testing, machine learning, and text analytics. The emphasis of this course is on interpreting and applying the results of data analysis to make real-life strategic marketing decisions.

MKTG 460. Integrated Marketing Communications (3-3-0)

Prerequisite: BUSN 311 with a minimum grade of C and MKTG 310, BSBA majors or permission of the School of Business. *Corequisite:* MKTG 455.

Fall.

This course covers all of the aspects involved in designing the most effective and efficient marketing communication program possible to build and maintain customer relationships. Topics include consumer behavior, positioning, offer creation, creative processes including message development, layout and design and creative testing, media planning and media selection, promotional budgeting and return on investment. The emphasis of this course is placed on direct response communication and the design and production of interactive marketing creative materials.

MKTG 470. Interactive Marketing Strategy (3-3-0)

Prerequisites: MKTG 455, 460, BSBA majors or permission of the School of Business.

Spring.

This course is a comprehensive examination of all aspects of the management of marketing. Mainstream marketing management concepts are taught on the premise that marketing is a universal management function with strong strategic elements that are operationalized in different ways in different parts of the world. Supported by a strong conceptual foundation, students' learning will be directed toward practical applications in interactive marketing. The course uses the case study method to apply concepts to business world settings. Cases will emphasize issues in interactive marketing.

MKTG 480. Internship in Marketing (3-0-3)

Prerequisites: BSBA major with at least junior standing or permission of the School of Business.

As needed.

Marketing students are strongly encouraged to undertake this academic internship during their final senior semester which will enable them to apply more comprehensive marketing knowledge and skills to their projects and duties. This is a hands-on course supervised by faculty. Local area organizations commit themselves to participate in a learning experience for the student that is related to the major in marketing. Projects are determined in a joint process between the faculty, host agency and student. A semester-long deliverable is due at the end of the course requiring an extensive written report and presentation for both faculty and the host agency. Applications are available on the Luter School of Business website.

MKTG 495. Advanced Topics in Marketing (3-3-0)

Prerequisites: As announced. BSBA majors or permission of the School of Business.

As needed.

Topical seminars in marketing.

MKTG 499. Independent Study in Marketing (credits vary 1-3)

Prerequisites: BSBA majors and permission of the School of Business.

As needed.

Provides students with an opportunity for independent study or research with guidance of a faculty advisor.

CHILDHOOD STUDIES

Dr. Kara Keeling, Director

McMurrin 201D

(757) 594-7952

kkeeling@cnu.edu

The Minor Program in Childhood Studies (18 credits)

Christopher Newport University offers a multi-disciplinary minor in childhood studies for undergraduates. The program is designed to meet the following student goals:

1. Provide a body of knowledge about children and adolescents combined with skills obtained from the student's major discipline to prepare for careers in teaching, social work, counseling, administrative positions in community programs for children and adolescents, juvenile justice programs, and others.
2. To serve as a minor for the student who has no career goals in the field but has an interest in the study of childhood. Any of the courses may be taken without commitment to the entire program.

Program Requirements:

Students should seek advising from the Director of the Childhood Studies program in choosing the courses for the minor.

1. A minimum of 18 credits as listed below are required to complete the minor.
2. Core requirement: IDST 210.
3. Select five courses (15 credits) from the approved elective list. To preserve the interdisciplinary nature of the minor, no more than two courses may come from the same discipline.
4. Special topics and other courses may be used if approved by the director.
5. Occasional special topics courses (295, 395, 495) from BUSN, POLS, PSYC, SOWK, as well as new courses may be credited toward the minor if they have the approval of the director.

THE CURRICULUM IN CHILDHOOD STUDIES

IDST 210. A Study in Childhood: History, Literature and Education (3-3-0) [formerly CHST 201, equivalent]

Prerequisite: ENGL 123.

Spring.

This course explores the history of childhood, trends in educational theory, child psychology and children's literature. Students will study the differing constructions of childhood in world history and explore innovations in educational theory and child psychology, from Locke to Bettelheim and beyond. Students will be further informed by reading historical examples of texts for children, from Sumerian clay "readers" to Aesop, early fairy tales, and on to modern children's literature.

Electives

The following course descriptions appear in appropriate sections throughout the catalog.

COMM 311	Family Communication
ENGL 315	Adolescent Literature
ENGL 316	Children's Literature
ENGL 416	Advanced Studies in Children's and Adolescent Literature
ENGL 452	WI: Writing for Children: Second World Fantasy
ENGL 453	Writing for Children: Picture Books
PSYC 207	Life-Span Development
PSYC 208	Child Development
PSYC 309	Adolescent Development
PSYC 312	Educational Psychology
PSYC 327	Theories and Principles of Child Development
PSYC 428	Cognitive Development
SOCL 303	The Family in Transition
SOCL 304	Socialization and Society
SOCL 314	Education, Culture and Society
SOWK 210	Human Behavior in the Social Environment I

CIVIC ENGAGEMENT AND SOCIAL ENTREPRENEURSHIP

Dr. Elizabeth Gagnon, Director
Luter Hall 201E
(757) 594-8400
elizabeth.gagnon@cnu.edu

The Minor Program in Civic Engagement and Social Entrepreneurship (18 credits)

The minor in Civic Engagement and Social Entrepreneurship (CESE) is an interdisciplinary program open to all students interested in issues of social and political justice; business and economic opportunity; equal access to education, health care and the arts; and environmental conservation as well as cross-cultural understanding both within the United States and internationally. Through interdisciplinary study and service, students will become proactive citizens who find creative and practical solutions to local, national and global problems. Students will be able to use their liberal arts education in combination with a variety of business, writing and research skills to create an original project that will seek to remedy clearly defined social, cultural or economic problems. This program is intended for students who have an interest in social entrepreneurship and community service and who desire interdisciplinary knowledge which can transform and make a difference in society. Some courses offered include a service learning component.

Program Objectives:

1. To provide students with the interdisciplinary knowledge and skills needed to study, research and find innovative solutions to contemporary problems.
2. To help students to understand social entrepreneurship theory and development as it is practiced locally, nationally and globally.
3. To offer students an opportunity to study contemporary issues and their solutions through community based problem solving and service learning.

Program Requirements:

Students will work with the program director to select courses and a community project.

1. A minimum of 18 credits are required to complete the minor, including the capstone course IDST 470.
2. Core requirements: BUSN 340, ENGL 454W, and IDST 470.
3. Select three approved electives (9 credits) in a field of special interest from two different disciplines.
4. Special topics and other courses can be used if pre-approved by the program director.

Core

BUSN 340	Non-Profit as Business Enterprise*
ENGL 454	WI: Public Relations and Grants: Writing for Civic Engagement*
IDST 470	Seminar in Civic Engagement & Social Entrepreneurship*

Electives

BIOL 115	Topics in Ecology and the Environment
ECON 200	The Economic Way of Thinking
ECON 310	Economics in the Public Sector
ECON 351	Urban Economics
HIST 341	The Long Civil Rights Movement
LDSP 384	Leading Change
MUSC 261	Opera Workshop
PHIL 304	Ethics and Current Value Questions
PHIL 315	Philosophy of Gender
POLS 215	Comparative and International Politics
POLS 291	Community Service Internship
PSYC 303	Industrial and Organizational Psychology
PSYC 304	Social Psychology
PSYC 313	Human Relations in Organizations
PSYC 340	Adult Development and Aging
PSYC 521**	Reading Acquisition and Development
RSTD 318	Interfaith Studies
SOCL 201	Globalization and Society
SOCL 205	Identity, Community and the Individual
SOCL 314	Education, Culture and Society
SOCL 315	Health and Healing
SOCL 316	Racial and Ethnic Relations
SOCL 325	Food and Culture
SOCL 377	Women, Gender, and Culture
SOWK 374	Addiction, Prevention, Treatment and Recovery
SPAN 330	Spanish in the Community

*service learning course

** graduate level course

THE CURRICULUM IN CIVIC ENGAGEMENT AND SOCIAL ENTREPRENEURSHIP

IDST 470. Seminar in Civic Engagement & Social Entrepreneurship (3-0-3)

Prerequisites: BUSN 340 and ENGL 454.

This is the capstone course for the minor in civic engagement and social entrepreneurship. This seminar draws on course work and experiential learning in the minor. Students will: identify a community need; develop a partnership with a community agency which has a global, national or community mission and provide semester long service hours; create a project proposal of research and innovative action; and complete and present a reflective paper on the project. This service-learning course requires a minimum of 40 service hours and counts for 40 hours toward Service Distinction.

COLLEGE STUDIES

Christopher Newport University involves students in a rich, multifaceted tradition of intellectual exploration grounded in the common principles of liberal learning. The college studies program develops students' capacities of empowerment, knowledge and responsibility, whose key intellectual and personal attributes are enumerated below. All coursework at CNU—whether in the liberal learning core, in the major, or in elective courses or courses in a minor—seeks to introduce, reinforce, and advance student aptitude in these primary capacities.

The Essential Learning Outcomes

Beginning in school and continuing at successively higher levels across their college studies, students prepare for twenty-first century challenges by gaining:

- Intellectual and practical skills, including: inquiry and analysis; critical and creative thinking; written and oral communication; quantitative literacy; information literacy; teamwork and problem solving. **Practiced extensively, across the curriculum, in the context of progressively more challenging problems, projects, and standards for performance.**
- Personal and social responsibility, including: civic knowledge and engagement – local and global; intercultural knowledge and competence; ethical reasoning and action; foundations and skills for lifelong learning. **Anchored through active involvement with diverse communities and real-world challenges.**
- Integrative Learning, including synthesis and advanced accomplishment across general and specialized studies. **Demonstrated through the application of knowledge, skills, and responsibilities to new setting and complex problems.**

THE CURRICULUM IN COLLEGE STUDIES

COLL 140. The Transitional Learner (2-2-0)

Prerequisite: First year freshman or first term transfer student.

This course serves as an introduction to higher education and an ongoing orientation to CNU campus resources and services. Designed to help new students transition to college life, students will learn academic and psycho-social skills that will assist them in their adjustment to CNU. Students will achieve greater understanding of learning theories, problem-solving approaches and academic skills and study strategies that can be applied within the college environment. In addition, students will investigate potential academic pathways, career goals and pre-professional experience prior to graduation.

COLL 150. The Intentional Learner (2-2-0)

Prerequisite: Academic probation status.

Spring.

The student will understand the significance of a liberal arts education, examine his or her role in and responsibility for learning, understand and apply college study skills, comprehend university policies and procedures, develop long- and short-term goals for college success, and explore career goals through preparation for academic advising, major exploration and clarification of the decision-making process. The course will also give attention to college reading and its centrality to academic achievement.

DEPARTMENT OF COMMUNICATION

Dr. Linda Manning, Chair
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Faculty

Professor: Michaela Meyer
Associate Professor: Manning, Steiner, Stern, Veksler
Assistant Professor: Billinson, Lane, Sery,
 J. S. Smith
Senior Lecturer: Connable
Lecturer: Cox, Sarkissian
Instructor: Best, Goen
Emeriti: Baughman, Hubbard, Koch

Mission Statement

Communication is a discipline concerned with the study of messages within the context of human relationships, communities and institutions. Courses in communication examine the nature, use, role and interpretation of messages produced by, and for, individuals, communities and cultures. Students majoring in communication will learn to understand, interpret, produce and critique messages within the contexts of interpersonal, media and public culture.

The Bachelor of Arts degree in Communication Studies

Since antiquity, scholars and practitioners have explored and grappled with the power of human communication—as a tool for persuasion, as a means of establishing and building relationships, and as a fundamental way to create meaning. Faculty in the Department of Communication focus on how human beings create and employ messages to accomplish these important purposes. Courses in communication focus on how those messages affect people, how they shape the thinking that individuals and communities do, and how they shape and reinforce the cultures and social structures in which we live. Students majoring in communication learn broadly about the nature and function of messages in relational, public, and mediated contexts. They learn how to understand and insightfully critique the function and power of messages. They also learn how to be more skilled and ethical producers of messages—as professionals and as citizens in a democratic society.

In addition to requiring successful completion of the liberal learning curriculum, the major in communication studies requires the following courses:

1. COMM 201, 211, 222, 249, 352W, 452W;
2. Select one: COMM 316, 318, 333W, 350W, 370;
3. Select one: COMM 411, 433, 455;
4. Select fifteen additional credits in COMM courses, at least twelve hours must be at the 300-400 level.
5. Majors are required to submit a *Communication Portfolio* by the end of the exam period of the semester they intend to graduate.

Students who have declared communication studies as their major and have earned at least 45 credit hours must maintain a minimum cumulative GPA and a major GPA of 2.00. Students may have no more than two grades below C- in the major.

In addition to this coursework, students are encouraged to take a body of courses in a secondary area of interest related to their professional goals.

The Minor in Communication Studies (18 credits)

The minor program in communication studies requires successful completion of the following:

1. COMM 201;
2. Select two: COMM 211, 222, 249;
3. Select nine additional credits in 300-400 level communication courses in consultation with a departmental academic advisor;
4. Students may have no more than two grades below C- in the minor, and must maintain a minimum GPA of 2.00.

THE CURRICULUM IN COMMUNICATION

COMM 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

COMM 201. Public Speaking (3-3-0)

This course introduces the student to effective speech preparation and delivery with emphasis on the extemporaneous mode of natural and direct communication.

COMM 210. Communicating Identity (3-3-0) [Formerly COMM 410, not equivalent]

Restricted to freshman and sophomore standing.

This course examines the construction and production of identity in a postmodern society. Students will interrogate issues of age, race, class, gender, and sexual orientation as categories of interpersonal identity politics, and further will discuss the implications of the electronic age on the creation of discursive categories for identity. As a seminar, all students are required to conduct research related to the overall theme of the course.

COMM 211. Interpersonal Communication (3-3-0)

Restricted to freshman and sophomore standing.

This course introduces the student to a theoretical and

practical study of verbal and nonverbal behavior in interpersonal interactions. The course stresses methods of creating effective and appropriate communication across relational contexts such as romantic relationships, family systems, friendships, and professional relationships.

COMM 221. Media History (3-3-0)

Restricted to freshman and sophomore standing.

This course examines the integral characteristics of mass communication technological innovations and their social significance. The course will focus on the early pioneers, their competitive drive, and pursuit of ingenious developments. Topics include print, telegraphic/telephonic, broadcast, and digital transmissions. The manner in which technology channels have altered the message, and their influence on our culture, will also be incorporated.

COMM 222. Media, Culture and Technology (3-3-0)

Restricted to freshman and sophomore standing.

Media institutions, practices, and products are important venues for the examination of culture, ideology and the production of identity. This course will take everyday media and ask serious questions of its social impact. Specifically, this course examines the role of media in a person's everyday life. Culture studies and media theories will enable students to be better critical consumers of the media.

COMM 232. Communicating through Digital Technology (3-3-0) AICE

Restricted to freshman and sophomore standing.

This course prepares students for writing in digital media environments and interpreting communication in media research for the public. Students will learn to use multimedia to tell stories and convey information, and to have interactive conversations and build relationships with global audiences. Students will learn to translate information from academic and social-scientific communities and publications into easily digestible formats (print, audio and video) for digital publics. Students will also study the history, theory and practice of digital media as communication.

COMM 239. Argumentation (3-3-0) LLFR

This course challenges students to think critically and analytically with respect to a particular topic. Students will explore chosen topics and examine them critically. Students will draw upon their education and argue persuasively; will be able to analyze complex public controversies, distinguish sound from the unsound arguments, and evaluate evidence.

COMM 249. Introduction to Rhetoric (3-3-0) AIWT

Restricted to freshman, sophomore and junior standing.

This course is an introduction to the art and history of rhetoric, or the cultivated ability to produce persuasive discourse appropriate for particular occasions and audiences. The rise of rhetoric is uniquely linked to the rise of democratic practices, notions of citizenship, and civic participation.

However, the history of rhetoric is rife with disputes over its purpose, its role, and its scope. This course surveys the origins of rhetoric in Ancient Greece to its current iterations, examining how debates over rhetoric shape persuasion and the construction of meaning.

COMM 291. Internship in Communication (credits vary 1 - 3)

Prerequisite: Consent of Internship Director.

Internships provide students with an opportunity to gain practical, industry experience in communication alongside their coursework. The internship in communication requires 120 hours of supervised work experience for a 3 credit hour internship and completion of assignments to document the student's experiences and growth as a professional. Sponsoring organizations must agree to work with the Internship Director to adhere to Department of Labor internship standards and complete an assessment of the intern. Students must have their internship approved by the Internship Director prior to enrollment. *This course is repeatable for credit up to 6 hours. Does not count toward the COMM major.*

COMM 295. Special Topics (3-3-0)

Prerequisite: COMM 201.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

COMM 301. Nonverbal Communication (3-3-0)

Prerequisite: COMM 211.

Restricted to sophomore, junior or senior standing.

This course explores the role body movement, facial expressions, space, vocalizations, time, artifacts, appearance, and touch play in the communication process. Students examine the ways in which nonverbal behavior combined with language convey ideas, intentions, emotional states, and attitudes. This course will survey a variety of contexts in which nonverbal behavior plays a significant role in the communication process as well as cultural differences in nonverbal behavior.

COMM 305. The First Amendment, Culture and Communication (3-3-0) AIDE

Prerequisite: COMM 249.

Restricted to sophomore and junior standing.

This course introduces students to the relationship between communication, law, and culture. The course is concerned with how the First Amendment and our culture influence one another, how our culture influences Supreme Court decisions, and how those decisions in turn influence our culture. By the end of the semester students will have a firm sense of the place the First Amendment has in their everyday lives as well as understand how everyday occurrences can bring about major changes in our legal system.

COMM 311. Family Communication (3-3-0)

Prerequisite: COMM 201, 211 and junior standing.

This course investigates basic theories and concepts of effective communication as they apply to family communication. Specifically, the course assesses ways in which relationships, family types, family systems, and family roles impact communication patterns within the family.

COMM 312. Media Aesthetics (3-3-0)

Prerequisite: COMM 222.

This course introduces students to the principles of media aesthetics. Students explore screen media, such as television, film, blogs, and online news sites, in the interest of developing visual media literacy skills. Media literacy, in the visual, aesthetic realm, is concerned with examining, critiquing and sometimes, producing screen media. Students will learn genre form and function toward developing visual media.

COMM 316. Principles of Interviewing (3-3-0)

Prerequisite: COMM 201, 211.

This course introduces students to interviewing as one of the principal qualitative methodologies used in the field of communication through theory and application. Students will learn how to design, implement, and conduct interviews, with the focus being on using interviews as a research tool. All students are required to research, prepare, and deliver well-organized interviewing presentations that successfully apply theories and concepts from the course in various interviewing contexts.

COMM 318. Quantitative Research Methods in Communication (3-3-0)

Pre or Corequisite: MATH 125, COMM 352.

This course introduces students to quantitative research methods in communication research. Students will develop a conceptual and practical understanding of the foundations of scientific inquiry and quantitative reasoning, survey and experimental design, and descriptive and inferential statistical analyses. By the end of this course, students will possess the necessary knowledge and skills to effectively consume, evaluate, and contribute to empirical communication research.

COMM 320. Media and Society (3-3-0)

Prerequisite: COMM 222.

This course introduces students to the study of the characteristics of media institutions and their social significance. Special attention is given to the role of financial, legal, and political institutions in media production and representation. This course also privileges issues of power and hegemony as they relate to how media outlets influence society.

COMM 321. WI: Communication and Film (3-3-2)

Prerequisite: ENGL 223 with a C- or higher.

One of the most powerful influences on the conduct of our everyday social lives is popular culture, particularly the feature film. It serves as reflectors of our society and social prescriptions for what is “normal” in various contexts. This course will utilize feature film, scholarly readings, discussion, and writing to allow us to better understand how film both reflects and affects how we think about communication in various contexts. Course materials will vary based on the interests and expertise of the instructor, may focus on family dynamics, friendship, science, health, science fiction, and religious rhetoric. *May be repeated once for credit with written permission for a total of six credits.* This course partially satisfies the writing intensive requirement.

COMM 322. Communication and Social Media (3-3-0)

Prerequisite: COMM 222.

The ubiquitous incorporation of social media and digital technologies (Twitter, Facebook, blogs, mobile apps) into our everyday lives has transformed how we communicate, engage with the world, move through space, present ourselves and relate to one another as social beings. This course looks at the social, cultural and political economic impact of social media in contemporary life. Topics for discussion include social media’s relationship to participatory cultures, social behavior, relationships, labor, entertainment, community, identity, privacy, space and place. This course both theorizes social media in a contemporary context and incorporates their use into the classroom.

COMM 325. Persuasion (3-3-0)

Prerequisite: COMM 201, 249 and junior standing.

This course focuses on persuasion theory, research, and ethics. Attention is given to language use and symbols, nonverbal communication, and cultural and psychological approaches to persuasion. Tools and strategies are explored so that students can become responsible persuaders and effective evaluators of persuasion messages.

COMM 326. Media Audiences (3-3-0)

Prerequisite: COMM 222.

This course examines the study of popular culture and communication, with a specific focus on the social, cultural and technological dimensions of media and media environments. The course examines media-audience relations with regard to critical issues and controversies in media and popular culture. This course proceeds historically, theoretically, and methodologically, always questioning the construction of audiences and media users, constructions that are shaped by commercial, academic, political and cultural contexts. In addition to course readings, we will also look closely at various television shows, films, popular music, internet content and other forms of popular culture.

COMM 330. Communicating Gender, Race, and Class (3-3-0)

Prerequisite: COMM 201 and sophomore standing.

This course examines the ways in which social and political meanings attached to gender, race, and class are communicated in various cultural institutions, practices, and contexts. Students will develop an understanding of how systems of power and privilege reinforce each other communicatively.

COMM 333. WI: Rhetorical Criticism (3-3-0)

Prerequisite: ENGL 223 with a C- or higher, COMM 249.

In a culture that is bombarded daily with a variety of persuasive discourses via speeches, advertisements, films, pictures, or social movements, an informed and critically aware citizenry is important to our deliberative democracy. Rhetorical criticism is the intellectual practice of critically investigating the production and deliverance of such persuasive acts, improving one's ability to operate as effective consumers of public discourses. In this course, students will become familiar with a range of critical approaches used to examine a variety of rhetorical texts. Each student will complete two papers that are critical examinations of a specific rhetorical act. This course partially satisfies the writing intensive requirement.

COMM 335. Rhetoric and Politics (3-3-0)

Prerequisite: COMM 249.

This course examines the discourse of politics and considers the theoretical and social implications of the symbols and images used within the American political process. Drawing from rhetorical and media studies, students analyze the contemporary political arena; a dynamic environment in which communication, particularly mediated communication (e.g., news, journalism, blogs, websites, etc.) substantially influences, and is influenced by both elites and regular citizens.

COMM 340. Intercultural Communication (3-3-0) AIGM

Prerequisite: Sophomore, junior or senior standing.

This course explores human communication in cross-cultural settings. Students examine how culture shapes the communication process, explore differences in communication behavior across culture, and discuss methods to improve intercultural communication competence.

COMM 341. Rhetoric and Social Movements (3-3-0)

Prerequisite: COMM 249.

This course explores social movements that have transformed or are in the process of transforming American society. The primary focus of the class is the rhetoric of change. We will primarily consider peaceful change, that is, the capacity of ordinary people to persuade others through speech; to voice their grievances and to articulate their challenge to a broader society.

COMM 350. WI: Media Criticism (3-3-0)

Prerequisite: ENGL 223 with a C- or higher, and COMM 201 and 222 and junior standing.

This course introduces students to methods of media criticism that will increase media literacy by allowing students to analyze and critically process mediated experiences in everyday life. Students will engage contemporary examples of film, television, and other media through a critical lens. The course emphasizes the influence of social, economic, political, and technological forces on content, strategies and marketing, and critical analysis employed by scholars and media practitioners. This course partially satisfies the writing intensive requirement.

COMM 352. WI: Philosophy and Communication (3-3-0)

Prerequisite: ENGL 223, COMM 201, 211, 222 and 249.

This course explains the theoretical and practical questions involved in defining communication. Topics addressed include: some of the major and recurring theoretical and practical questions with which the field has grappled since the beginning of the twentieth century, the major features of the history of communication study since the beginning of the twentieth century, and a conceptual model of the field of communication. Upon completion of the course, students will be able to articulate how different philosophical perspectives and traditions of communication study are reflected in the three emphasis areas in the communication major: rhetoric, interpersonal communication, and media or cultural studies. This course partially satisfies the writing intensive requirement.

COMM 360. Health and Medical Communication (3-3-0)

Prerequisite: ENGL 223 and junior standing.

The field of health communication is an area of interest to interpersonal, persuasion, small group, organizational, media, political, marketing and advertising, and public policy scholars. Health communication research seeks to understand ways communication affects (and is affected by) health, how communication can be used to make us healthy, how communication can affect health decision making and how communication in health and medical settings can affect the goals of health care professions. This class will cover a history of health and an overview of the field of health communication, and pay particular attention to the importance of health communication research in today's society.

COMM 365. Stress, Health and Human Interaction (3-3-0)

Prerequisite: ENGL 223.

The biopsychosocial approach to investigating health communication requires rigorous scientific examination of the biological, psychological and social antecedents and consequents of human communication. In order to understand how social behavior correlates with health, we must understand how biology functions to help us produce, contextualize and interpret communication, and how communication can in turn, affect physiology. This

course explores the basic anatomy and physiology of the human body including: the brain, nervous system, immune system, endocrine system, cardiovascular system and facial musculature. The remainder of the semester applies this information in context by looking at topics such as human attraction and sexual behavior.

COMM 370. Qualitative Research Methods in Communication (3-3-0)

Pre or corequisite: COMM 352.

This course introduces students to qualitative and interpretive methods of research in the communication discipline. Students will explore the rich diversity of qualitative methodological approaches to research and grapple with key issues related to conducting qualitative research in the field with human subjects. Students will focus specifically on in-depth interviewing, ethnography, and narrative as methods of inquiry and will be challenged to critically interrogate complex issues surrounding voice, reflexivity, and ethics. By the end of the course, students will have the knowledge and skills to conduct qualitative research within an ethical framework.

COMM 395. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

COMM 411. Interpersonal Theory (3-3-0)

Prerequisite: COMM 352 and junior standing.

Interpersonal interactions, such as communication with friends, family members, romantic partners, and others, are integral to our everyday lives. This course focuses on theories used to ground the study of interpersonal communication. While the course draws on a variety of theories, embracing an interdisciplinary approach to interpersonal communication, the course is taught from a communication perspective. This course explores the components, characteristics, attributes, processes, functions, and outcomes associated with interpersonal communication theories. By the conclusion of the course, students should expect to gain considerable theoretical and applied insight into personal and professional relationships.

COMM 414. Advanced Relational Communication (3-3-0)

Prerequisite: COMM 211, ENGL 223.

This course takes an interdisciplinary approach to studying close relationships. The course starts with an overview of what relationships are, and then follows the trajectory of relationship development and deterioration. The course starts with initiating a relationship, which includes topics such as identity, attraction, and uncertainty reduction. Then the course progresses into relationship maintenance, which includes topics such as stage models of relational development, self-disclosure, privacy, affection, love, and

sexual communication. Finally, the course concludes with relationship deterioration, which includes topics such as conflict, dominance, transgressions, repairing relational damage, and termination.

COMM 415. Rhetoric and Religion (3-3-0)

Prerequisite: COMM 249.

This course explores how religious faith is generally expressed in and is shaped by words, language, and symbols. Particular attention is paid to the relationships between religious discourse and conceptions of religious truth and religious knowledge, mass media forms, and contemporary American public and political life.

COMM 430. WI: Sex, Sexuality and Communication (3-3-0)

Prerequisite: ENGL 223 with a C- or higher, COMM 201 and junior standing.

This course is an intensive seminar for the interdisciplinary study of sex, sexuality, and gender. By exploring sex, sexuality, and gender from several different vantage points students will gain a broader view of the relationship between sex, sexuality, and gender as it is produced, in and around, individuals in the social world. Students will examine the contradictions between understanding sexuality as a discrete category of analysis and sexuality as a category predicated on other forms of power relations, and the importance of culture and society in creating the very personal sense of gender and sexuality on individuals. This course partially satisfies the writing intensive requirement.

COMM 433. Rhetorical Theory (3-3-0)

Prerequisite: COMM 352 and junior standing.

Plato's dismissal of rhetoric as an unwelcome distraction to philosophy relegated persuasion to a position of secondary importance as an intellectual pursuit. Many intellectual heavyweights throughout history developed a variety of theoretical approaches to reconcile the tensions between philosophy and rhetoric. This course surveys some of the most significant and influential theoretical approaches to rhetoric, from ancient Greece to the modern-day. We will focus on reading primary texts from such influential thinkers as Plato, Aristotle, Augustine, Bacon, Nietzsche, and Foucault and others to develop a general overview on the evolution of rhetorical theory.

COMM 452. WI: Senior Research in Communication (3-3-0)

Prerequisites: ENGL 223 with a C- or higher; senior standing; one of the following: COMM 411, 433, or 455; and one of the following: COMM 316, 318, 333W, 350W or 370.

In this course students will construct a proposal and do preliminary research on an approved project. They will be required to write a problem statement justifying the need for their research, conduct a literature review of existing

research on their topic, design a methodological procedure appropriate for examination of their research, conduct a preliminary study utilizing their proposed methodology, and write a discussion/conclusion section in which they outline preliminary findings, limitations, and suggestions for future research. This course partially satisfies the writing intensive requirement.

COMM 455. Critical Cultural Theory (3-3-0)

Prerequisites: COMM 352 and junior standing.

This course introduces the interdisciplinary field of critical-cultural studies. Cultural studies is a theory-based examination of how culture and ideology influence our thinking about the world and how culture creates and transforms individual experiences, everyday life, social relations and power. Students will read foundational theories in cultural studies and critical theory, as well as current essays in the field toward the goal of applying critical-cultural theory to current debates in media and popular culture.

COMM 490. Study Abroad in Communication (3-3-0)

Prerequisite: Sophomore, junior or senior standing and one of the following: COMM 211, 222 or 249.

This communication elective provides the opportunity for majors to take a course at an accredited institution abroad and use it as a program elective. The courses require prior approval by the department to ensure the international course meets our program standards.

COMM 491. Practicum in Communication (credits vary 1-3)

Prerequisite: COMM 201, 211, 222, 249, junior standing and consent of Internship Director.

Internships provide students an opportunity to apply communication principles in a non-academic environment and to gain practical industry experience prior to graduation and seeking employment. The practicum in communication consists of 120 hours of supervised work experience for 3 credit hours as well as assignments designed to assess the application of program content to the work experience. Organizations sponsoring the internship must agree to participate in the assessment process and adhere to Department of Labor internship standards. Students must have their internship approved by the Internship Director prior to enrollment. *This course is not repeatable for credit.*

COMM 495. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

COMM 499. Independent Study (credits vary 1-3)

Prerequisites: COMM 201 and senior standing and consent of instructor and Department Chair.

Independent research done in consultation with a member of the faculty.

DIGITAL HUMANITIES

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The Minor Program in Digital Humanities (18 credits)

Christopher Newport University offers an interdisciplinary minor in digital humanities for undergraduates. The program is designed to meet the following objectives:

1. Provide students with the knowledge and skills necessary to prepare them for careers where digital media and technology enrich approaches to traditional humanities-oriented fields and projects such as education, library science, museum curation, non-profits, political campaigns, graduate research, design, fine art, and music/film/theater/dance production, as well as related fields like mass communication, journalism, and marketing.
2. Provide students with the concepts and vocabulary necessary for actively contributing to on-going conversations regarding how the digital has changed what it means to be human, what shape future humanities research should/will take, the status of print culture, and the value of copyright.
3. Provide students with the ability to operate and experiment with various digital media applications, utilize technological tools, and code basic programs for analyzing texts and other humanities works.

Program Requirements:

Students should seek advising from the co-directors of the Digital Humanities program in choosing courses for the minor. A minimum of 18 credits as listed below are required to complete the minor.

1. Core requirements: IDST 270, CPSC 140, and CPSC 216.
2. Select three courses (9 credits) from the approved minor list, two at the 300-level or above.
3. Special topics and other courses may be used if approved by one of the co-directors.

THE CURRICULUM IN DIGITAL HUMANITIES

IDST 270. Introduction to Digital Humanities (3-3-0)

This course introduces students to the digital humanities by raising the question of what precisely constitutes this new and emerging field. Students explore how digital media and technology have transformed multiple disciplines in the humanities as well as humanities research. Theoretical questions regarding post-humanism, privacy, print culture, copyright, and more are discussed. Students produce digital artifacts related to a field of traditional humanities study.

The following course descriptions appear in appropriate sections throughout the catalog.

Core

IDST 270	Introduction to Digital Humanities
CPSC 140	Introduction to Computer Programming with Multimedia
CPSC 216	Multimedia and Web Publishing

Electives

COMM 222	Media, Culture, and Technology
COMM 232	Communicating Digital Knowledge
COMM 312	Media Aesthetics
COMM 322	Communication and Social Media
ENGL 350	Writing for the Digital Humanities
ENGL 353	Writing for the Professions
FNAR 128	Introduction to Digital Media
FNAR 331	Advanced Digital Photography
FNAR 332	Animation
FNAR 333	Video Art
FNAR 334	Graphic Design
HIST 435	Public History
MUSC 315	Digital Creativity with Music Technology
THEA 359	Designing in CAD

DEPARTMENT OF ECONOMICS

Dr. Gyan Pradhan, Chair
Luter Hall 227
(757) 594-7068

Faculty

Professors: Pradhan, Winder, Zestos

Associate Professor: Taylor

Assistant Professor: Chakraborti, He

Lecturer: Taghvatalab

Instructor: Kotula, Li

Emeriti: Booker, Park, Vachris

Mission Statement

The mission of the Department of Economics is to provide an outstanding, liberal arts education that will enable and inspire our students to live personally meaningful and socially productive lives. We achieve this by teaching a rigorous curriculum that integrates the liberal arts, the core functional areas of economics, and the quantitative competencies needed to address the economic and public policy challenges of today and the future. Students will acquire the analytical and decision-making skills that employers in the private and public sectors value, become informed and thoughtful citizens, and better understand how to enrich human welfare in a complex and interdependent world. Because of its emphasis on sound logic and rational thought, a degree in economics is an excellent foundation for pursuing graduate studies in a wide range of disciplines, including political science, law, public policy, business, international studies, and economics.

Overview of the Department

Economics is the study of how individuals, firms, government, and society allocate scarce resources among viable alternatives. Students who major in economics enjoy a broad liberal arts education, while also developing analytical skills to prepare them for employment and graduate school. Students develop their analytical abilities with a core curriculum of theory and applied methods courses. The major offers flexibility such that students may tailor their program electives according to their needs. Consult your advisor for assistance in selecting electives that meet your needs.

The economics faculty is a talented and dedicated cadre of teacher-scholars. The faculty has applied work experience in organizations such as the Bureau of Labor Statistics (BLS), financial and investment banking firms, the Organization for Economic Cooperation and Development, and defense economics think-tanks. The professors challenge, encourage, and mentor students to reach their potential.

Program Objectives

1. To provide students an in-depth understanding of the fundamental principles and theories that underlie both

microeconomics and macroeconomics.

2. To provide students an understanding of one or more of the functional (applied) fields of economics through their upper-level coursework.
3. To help students understand the key elements of the scientific method and learn to utilize and interpret the empirical and statistical methods most commonly found in economic research.
4. To provide students the ability to conduct and present their own independent research in economics.
5. To help students learn how to analyze and critically evaluate ideas, arguments and points of view.
6. To provide students both the knowledge and quantitative skills to be successful in graduate programs in economics, law, public policy, business and other disciplines.

Opportunities Outside the Classroom

Many of our students enjoy the learning and networking opportunities afforded by the Economics & Finance Club. The club hosts speakers, panel discussions and social gatherings. The Department is also home to the Jean-Monnet European Union Lecture Series.

After Graduation

Students majoring in economics can find multiple employment opportunities upon graduation. Nearly every industry in the Commonwealth and nation employ economists. Local, state, and federal governments also hire significant numbers of economics graduates. Recent graduates have taken positions at PricewaterhouseCoopers, Deloitte, the U.S. Federal Reserve Bank, Merrill Lynch, Mass Mutual, SunTrust Bank, the U.S. Bureau of Labor Statistics, and the U.S. Department of Defense. Others have gained acceptance to graduate schools such as the London School of Economics, the University of Glasgow, Johns Hopkins University, University of Virginia, Purdue University, Rensselaer Polytechnic Institute, George Mason University and Indiana University.

Degree Requirements

The department offers a major and minor in economics. Within the major, an optional concentration in mathematical economics is also available.

Bachelor of Arts Degree in Economics

In addition to the successful completion of the University's liberal learning curriculum, the Bachelor of Arts degree in economics requires successful completion of the following major and elective courses:

Foundation

1. MATH 125;
2. ECON 201, 202;
3. MATH 135 or 140 or 148;
4. CPSC 215*;
5. ECON 300**, 303***, 304****, 485*****, 490W.

Program Electives: Select five courses (15 credits) at the 300 / 400-level. For 400-level courses, select one from each list (ECON 470 cannot be used twice):

1. ECON 400, 425, 465, 470;
2. ECON 470, 475.

*Pre- or Co-requisite: MATH 135 or 140 or 148 or a passing score on the CPSC 215 readiness exam.

**Prerequisites: ECON 202, MATH 125, MATH 135 or 140 or 148, each with a grade of C or higher; Prerequisite or Corequisite: ECON 201.

***Prerequisites: ECON 201, 202, 300, MATH 125, MATH 135 or 140 or 148, each with a grade of C or higher.

****Prerequisites: ECON 201, 202, MATH 125, MATH 135 or 140 or 148, each with a grade of C or higher.

*****Prerequisites: ECON 201, 202, 300, MATH 125, MATH 135 or 140 or 148, each with a grade of C or higher; CPSC 215 or 250.

Bachelor of Arts Degree in Economics**Mathematical Economics Concentration**

The economics core curriculum is complemented by coursework in mathematics. This concentration develops the quantitative skills that are increasingly sought by businesses, government, and research organizations. It is expected that graduates in mathematical economics will gain admission to highly reputed graduate programs.

In addition to requiring the successful completion of the University's liberal learning curriculum, the Bachelor of Arts degree in economics with a concentration in mathematical economics requires successful completion of the following major and elective courses:

1. MATH 125, and MATH 140 or 148;
2. ECON 201, 202;
3. CPSC 215*;
4. ECON 300**, 303***, 304****, 485*****, 490W;
5. Select two 300/400 ECON elective courses (six credits);
6. MATH 240, 250, 260, 320

*Pre- or Co-requisite: MATH 135 or 140 or 148 or a passing score on the CPSC 215 readiness exam.

**Prerequisites: ECON 202, MATH 125, MATH 140 or 148, each with a grade of C or higher; Pre-requisite or Co-requisite: ECON 201.

***Prerequisites: ECON 201, 202, 300, MATH 125, MATH 140 or 148, each with a grade of C or higher.

****Prerequisites: ECON 201, 202, MATH 125, MATH 140 or 148, each with a grade of C or higher.

*****Prerequisites: ECON 201, 202, 300, MATH 125, MATH 140 or 148, each with a grade of C or higher; CPSC 215 or 250.

Minor in Economics (21 credits)

The minor in economics requires successful completion of the following courses: ECON 201, 202, 300, 303 and 304 plus six additional credits in upper-level (300-400) economics courses. The minor can be declared after completion of ECON 201 and 202 with a required minimum grade of C in each course. Students must have a CNU GPA of at least 2.0 to declare the minor. (See applicable prerequisites.)

THE CURRICULUM IN ECONOMICS**ECON 200. The Economic Way of Thinking (3-3-0) LLFE**
Fall and Spring.

The economic way of thinking can help students better understand problems facing the world. In this course, students will apply the economic way of thinking to a broad set of economic and public policy issues covering topics such as consumer safety and health, the environment, international trade and labor markets. Satisfies the economic modeling and analysis requirement. *Students may not receive credit for this course after receiving a grade of D- or higher in any economics course numbered ECON 201 or higher.*

ECON 201. Principles of Macroeconomics (3-3-0) LLFE
Fall and Spring.

An introduction to the analytical tools commonly employed by economists in determining the aggregate level of economic activity and the composition of output, prices, and the distribution of income. Problems related to these subjects are considered, and alternative courses of public policy are evaluated. Satisfies the economic modeling and analysis requirement.

ECON 202. Principles of Microeconomics (3-3-0) LLFE
Fall and Spring.

Microeconomics is the study of the analytical tools used by economists in the 'theory of the firm'. Topics include the price mechanism, pricing policy, production theory, cost theory, profit maximization, and the various types of market structures. Problems related to these areas and policies for solutions are discussed. Satisfies the economic modeling and analysis requirement.

ECON 203. Environmental Economic Literacy for the Citizen (3-3-0)

Fall.

This course provides students with an introduction to envi-

ronmental issues through an economic lens. The rational, economic analytical approach is introduced and the basic principles of economics are applied to issues such as energy markets, air and water pollution, sustainability, population and environment, waste and recycling, and dealing with climate change. *Students may not receive credit for this course after receiving a grade of D- or higher in any economics course numbered ECON 301 or higher.*

ECON 300. Quantitative Methods in Economics (3-3-0)

Prerequisite: ECON 202, MATH 125, 135 or 140 or 148, each with a grade of C or higher.

Pre-or Co-requisite: ECON 201.

As needed.

Introduces students to a variety of quantitative skills commonly used in economic analysis. The primary aim is to prepare students for upper-level courses in the economics major. Topics include high order derivatives, exponential and logarithmic functions, partial differentiation, total differentiation, unconstrained and constrained optimization, matrices, probability distributions and the derivation of OLS estimators. Specific applications include maximizing utility and profit functions, minimizing cost functions, returns to scale, Cobb-Douglas functions, indifference and isoquant curves and marginal rates of substitution and transformation, Kuhn-Tucker conditions, Pearson's correlation, F-tests, and Z-tests.

ECON 301. Environmental Economics (3-3-0)

Prerequisite: A grade of C or higher in ECON 203, or both ECON 201 and 202 with a grade of C or higher.

As needed.

This course combines theoretical analysis with discussions on specific environmental policies as applied to water, air pollution, energy, climate change and human health issues. Topics to be covered are the microeconomic analysis of environmental regulation, the problem of social cost, policy instrument choice, enforcement of regulations, and estimating benefits of environmental improvements.

ECON 303. Intermediate Microeconomic Analysis (3-3-0)

Prerequisites: A grade of C or higher in ECON 201, 202, 300, MATH 125 and 135 or 140 or 148.

Spring.

Intermediate microeconomics is the study of consumer and producer behavior. This course builds upon the principles of microeconomics course as it provides a more in-depth analysis of the utility maximizing behavior of households and the profit-maximizing behavior of firms. Other topics include alternate market structures, welfare economics, and decision making in the public sector.

ECON 304. Intermediate Macroeconomic Analysis (3-3-0)

Prerequisites: A grade of C or higher in ECON 201, 202, MATH 125 and 135 or 140 or 148.

Fall.

A study of classical, neoclassical, and Keynesian macroeconomics. Economic analysis of national income, output, employment, price level, consumption, investment, rate of interest, demand for money and supply of money, and a study of monetary, fiscal, and other economic policies. Introduction to the theory and empirics of economic growth.

ECON 320. European Integration (3-3-0) AIWT

Prerequisites: ECON 201, 202.

As needed.

This course examines political and economic developments after the end of World War II in Europe. Students will investigate all those events that brought the European countries closer to each other by abolishing trade barriers and allowing free mobility of capital and labor, as well as the tremendous progress made toward economic and monetary integration since the treaties of Paris and Rome. This course is an in-depth analysis of the economic and political integration of Europe.

ECON 351. Urban Economics (3-3-0)

Prerequisites: A grade of C or higher in ECON 201, 202.

As needed.

Students will undertake an analysis of the economic factors that have given rise to the formation of urban centers. We will discuss what makes them unique, and study urban problems such as poverty, crime, homelessness and housing conditions, traffic congestion and urban growth. Students will also participate in a community engagement activity and reflect on this service (20 hours). Students reflect on the service activity in such a way as to gain further understanding of course content, a broader appreciation of the discipline, a deeper understanding of community concerns, and an enhanced sense of civic responsibility.

ECON 372. Economic Development Theory and Policy (3-3-0) [Formerly ECON 410, equivalent]

Prerequisites: A grade of C or higher in ECON 201, 202.

As needed.

An introduction to important topics in the field of economic development. The first part of the course examines the historical record of world development, the challenges facing many less developed countries, and growth models. The second part of the course focuses on economic development theory and policy. Here we examine how trade, balance of payments and exchange rates can affect growth trajectories. Extensive coverage is given to industrial policy, its theory, empirics, and strategy. The course concludes with a study of how institutions and linkages can influence development outcomes.

ECON 395. Intermediate Topics in Economics (3-3-0)

Prerequisites: As announced.

As needed.

Topical seminars in economics to cover a variety of areas.

ECON 400. Economics of International Contracting & Organization (3-3-0)

Prerequisites: A grade of C or higher in ECON 201, 202; ECON 303.

As needed.

This course introduces students to the economics of organization, and international business contracting. Topics include the examination of contracts used in international trade finance, barter and countertrade, transfer pricing, the defense industry, and international government procurement. Students acquire the skills to understand and use a wide range of contracts employed, assess the relative economic efficiency of a given contract, and design a particular contract to facilitate the intended transaction, given the exchange setting. A major assignment requires students to propose, design, and present their own import/export business plan.

ECON 425. Economics of the Public Sector (3-3-0)
[Formerly ECON 302 and ECON 310, equivalent]

Prerequisites: A grade of C or higher in ECON 201, 202; ECON 303.

As needed.

The nature and application of the fundamental principles of obtaining, managing, and disbursing funds for governmental functions at the local, state, and federal levels. The American tax system is given detailed consideration.

ECON 465. Industrial Organization and Public Policy (3-3-0) [Formerly ECON 375W, not equivalent and ECON 375, equivalent]

Prerequisites: A grade of C or higher in ECON 201, 202; ECON 303.

As needed.

Designed to enable the student to study the microeconomic theoretical aspects of industrial organization. The topics covered include market structures, vertical structure of markets, welfare losses due to market power, market power impact on distribution pricing policies, and the role of government in promoting and preventing competition. The course provides the student with a theoretical, empirical, and descriptive framework of industrial organization and social and business policy.

ECON 470. International Trade and Finance (3-3-0)

Prerequisites: A grade of C or higher in ECON 201, 202; ECON 303 or 304.

As needed.

The theory of comparative costs, the transfer of international payments, the balance of international payments, foreign exchange rates, and the theory of adjustments are the principle topics addressed in this course. The means and ends of international economic policy are also covered. Trade restrictions, arguments for protection, cartels, state-trading, commodity agreements, commercial policy of the United States, foreign economic assistance, and international measures to liberalize trade and payments are taken up in order.

ECON 475. Money and Banking (3-3-0)

Prerequisites: A grade of C or higher in ECON 201, 202; ECON 304.

As needed.

An analysis of the monetary system with emphasis upon determinants of the money supply money demand, interest rates, the international financial system, and the relationship between money and economic activity. In addition, the conduct of monetary policy, including goals, targets, and transmission mechanisms are carefully considered.

ECON 480. Internship in Economics (3-0-3)

Prerequisite: Junior or senior standing and approval of Department Chair.

As needed.

This is a hands-on course supervised by faculty. Local area organizations commit themselves to participate in a learning experience for the student that is related to the major in economics. Projects are determined in a joint process between the faculty, host agency and student. A semester-long deliverable is due at the end of the course requiring an extensive written report and presentation for both faculty and the host agency.

ECON 485. Applied Econometrics (3-3-0)

Prerequisites: ECON 201, 202 and 300; MATH 125, and either MATH 135 or 140 or 148; each with a grade of C or higher; CPSC 215 OR 250.

Fall.

Introduces students to fundamental econometric and mathematical techniques necessary to design and carry out applied research in economics and business. Topics include multiple regression, common econometric problems, time series analysis, and optimization. A major research project is required.

ECON 490. WI: Senior Seminar in Economics (3-3-0)

Prerequisites: ENGL 223 with a C- or higher; ECON 300, 303, 304, 485; senior standing.

Spring.

Required topical capstone for all economics majors. The seminar integrates concepts, theories, and methodologies from core courses in the study of a selected topic in economics. The focus and content of the course will be determined by the instructor. Students are required to prepare and present a scholarly research paper. This course partially satisfies the writing intensive requirement.

ECON 495. Advanced Topics in Economics (3-3-0)

Prerequisites: As announced. As needed.

Topical seminars or experimental courses in economics in a variety of areas.

ECON 499. Independent Study in Economics (Credits vary 1-3)

Prerequisites: ECON 201, 202, junior standing, and consent of instructor and Department Chair.

An opportunity for independent study or research with guidance of an economics faculty member.

DEPARTMENT OF ENGLISH

Dr. Mary E. Wright, Chair

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Faculty

Professor: Filetti, Keeling, Mulligan, Paul, Pollard, Rowley, Wheeler

Associate Professor: Hopkins, Marinova, Nichols, Shortsleeve, Wright

Assistant Professor: Apolloni, Emmelhainz, Hoag, Rodden, Swacha, Teekell

Lecturer: J. R. Carney, A. Rose

Instructor: Barclay, Bunch, Cornette, Healy

Emeriti: Chambers, D. Gordon, L. Gordon, Lee, Rosenberg, Sprague, Wood

Mission Statement

The CNU English Department instills in students the habits of mind required to pursue informed and purposeful lives in a diverse and interconnected world. Through intensive programs of reading, writing, and research, the department's faculty fosters in its students the capacity for independent thought and reflection, as well as an ever-opening awareness of the world and a keener capacity to observe that world. To that end, the department engenders respect for the English language throughout its history and in its various forms, expressions and functions, while situating English within a larger, global context. Throughout the English Department's curriculum, students work toward finding their own critical voices, as they encounter literatures of the world, writings of various fields and disciplines, and language varieties of the local community. Students receive individual attention from their professors, who are published experts in their fields, as well as from leaders in the local community who mentor students in professional settings.

Overview

The English Department is at the heart of a liberal arts university. Grounded in the study of literature and literary tradition, the English major fosters critical-thinking, a talent transferable to all areas of life. The major is an especially good choice for students who want to pursue careers demanding a high degree of cultural literacy and attention to language, such as graduate work in primary, secondary and university level teaching and scholarship, law, advertising, journalism, public relations, publishing, communications, diplomacy, and human relations.

The central strength of the English Department is the study of literature, but the department also features other scholarly strengths. The gateway into the major is Literature, Theory and Culture (ENGL 308W), which gives students access to the theoretical and interpretive strategies that they will need for the many kinds of texts encountered in the

major. Students will then choose courses from American, British and World literatures as well as take up the study of a single author (for example, Shakespeare). Upper-level writing courses help students develop advanced rhetorical and composition skills, and linguistics and film studies courses enrich and expand students' understanding of texts and language. Finally, Senior Seminar (ENGL 490W), the capstone seminar, provides students with the opportunity to utilize all that they have learned to produce a final, independent project in a small seminar setting and with the guidance and expertise of an English faculty member.

Goals

Literature courses, which comprise the core of each concentration of the major, move toward more sophisticated study: courses at the 200-level introduce important literary periods and major writers, develop literary vocabulary, and encourage critical and analytical abilities by means of short essays and discussion exams. Courses at the 300-level provide information in greater depth, extend literary vocabulary and critical and analytical abilities, and introduce critical approaches and research techniques. Courses at the 400-level encourage close analysis through intensive reading and extended research projects.

Advising

Advisors help in working out balanced programs to fit individual abilities and career objectives. Supporting courses in relevant fields may be recommended. Degree progress sheets for all concentrations are available in the department office.

Students who have an excellent background in writing and literature may be eligible for advanced placement in English. (See the *Advanced Placement* section of this catalog.)

General Requirements for the Major

All English majors and minors must earn a C- or higher in required classes.

The English Department requires graduating seniors to turn in a Graduation Portfolio to the English Department the semester that they take English 490W. Students should see the requirements for the portfolio posted on the English Department's website.

The *First-Year Writing Seminar* and the *Second-Year Writing Seminar* are courses designed to prepare freshman and sophomore students for writing across the disciplines at the University.

The First-Year Writing Seminar (ENGL 123) introduces students to the conventions of reading and writing appropriate for liberal arts learning, in particular the ability to analyze and produce sophisticated arguments, reports, evaluations, textual analyses, proposals, and other genres that position their views within ongoing social and cultural questions. The course explores rhetorical genres in relationship to issues in the arts, humanities, social sciences, professional studies, business, economics, and sciences and technology. Beginning with an examination of the principles of critical thinking and how texts and formats are the result of specific situations and conventions, students will evaluate prose texts, conduct research and craft polished pieces of their own using multiple sources of evidence.

The Second-Year Writing Seminar enhances the critical reading and writing foundations introduced in English 123, and develops them with a focused exploration of literary and textual topics. Seminars center on the specialty expertise of the course instructor and emphasize research and information literacy. Students will be required to locate, analyze, synthesize, and present primary and secondary sources. Through a process of staged writing and revision, students will produce a polished research paper.

In order to receive university credit toward a degree, students must pass each one of the two courses with a grade of C- or higher. Regular attendance, class preparation, participation in discussions, careful reading, oral presentations, conferences with faculty, draft workshops, final draft editing, and completing work on time are essential for success in the First- and Second-Year Writing Seminars at Christopher Newport University.

To assist students in preparing for the rigors of reading and writing, the English Department provides, in addition to well trained and committed teachers, tutorial support in the Alice F. Randall Writing Center, open to all students at convenient hours during spring and fall semesters.

The Bachelor of Arts degree in English

In addition to requiring successful completion of the liberal learning curriculum, the Bachelor of Arts in English requires the successful completion of the English major core (21 credit hours) and any six additional courses (18 credit hours) at the 300 and 400 level, with the grade of C- or higher.

1. ENGL 200, 201, 202;
2. ENGL 308W;
3. ENGL 490W;
4. Select one: ENGL 309W, 326W, 350W, 351W, 352W, 353W, 365W, 454W;
5. Select one: ENGL 421, ENGL 423;
6. Six additional courses (18 credits) at the 300- or 400 -level.

The Bachelor of Arts degree in English Literature Concentration

The Literature Concentration seeks to attract students interested in the study of British, American and world literary traditions. The dynamic English core courses provide majors with the opportunity to explore fundamental questions about the formal beauties of individual works, the status of literature within culture, the literary history of a period, the achievements of major authors, the defining characteristics of genres, the politics of interpretation, and the methods of literary scholarship and research. Upper-level literature courses examine a variety of issues in depth. These may include how biographical, historical, cultural, or political contexts shed light on literary texts; how issues of race, class, gender, and sexuality may influence the production and reception of literature; and how our understanding of narrative can offer insights into our own lives and experiences.

In addition to requiring successful completion of the liberal learning curriculum, the literature concentration requires successful completion of the English major core (21 credit hours) and any six courses (18 credit hours) from the literature courses below, with the grade of C- or higher.

1. ENGL 200, 201, 202;
2. ENGL 308W;
3. ENGL 490W;
4. Select one: ENGL 309W, 326W, 350W, 351W, 352W, 353W, 365W, 454W;
5. Select one: ENGL 421, ENGL 423;
6. Six additional courses (18 credits) selected from: ENGL 304W, 313, 315, 316, 320, 324, 329, 341, 342, 343, 345, 346, 356W, 372, 373, 374, 380, 381, 393, 395 (topics in literature only), 410, 412, 415, 416, 428, 429, 476, 495 (topics in literature only), 499.

The Bachelor of Arts degree in English Writing Concentration

Writing courses develop students' interests in imaginative and professional writing, to include journalism, public relations and grant writing, and multimedia texts. The writing concentration in the English major emphasizes the symbiotic nature in literary studies and writing. Skill in literary interpretation gives students important contexts for understanding human experience and assuming leadership roles in civic society.

In addition to requiring successful completion of the liberal learning curriculum, the writing concentration requires successful completion of the English major core (21 credit hours) and any six courses (18 credit hours) from the writing courses below, with the grade of C- or higher.

1. ENGL 200, 201, 202;
2. ENGL 308W;
3. ENGL 490W;
4. Select one: ENGL 309W, 326W, 350W, 351W, 352W,

- 353W, 365W, 454W;
5. Select one: ENGL 421, ENGL 423;
 6. Six additional courses (18 credits), selected from: ENGL 250, 309W, 331, 339W, 339L, 350, 351W, 352W, 353W, 365W, 450, 452W, 453, 454W, 462, 491, 499.

The Minor in Literature (18 credit hours)

The minor in literature requires successful completion of the following courses with the grade of C- or better:

1. Select two: ENGL 200, 201, 202;
2. Four additional courses (12 credits) selected from the following: ENGL 304W, 308W, 313, 315, 316, 320, 324, 329, 341, 342, 343, 345, 346, 356W, 372, 373, 374, 380, 381, 393, 394, 395 (topics in literature only), 410, 412, 415, 416, 428, 429, 476, 495 (topics in literature only), 499.

The Minor in Writing (18 credits)

Writing courses develop students' interests in imaginative and professional writing. The writing minor emphasizes creative writing and professional writing skills, giving students important contexts for understanding human experience and assuming leadership roles in civic society. The writing minor requires the successful completion (with a grade of C- or higher) of any six courses (18 credit hours) selected from: ENGL 250, 309W, 331, 339W, 350, 351W, 352W, 353W, 365W, 450, 452W, 453, 454W, 462, 491, 499.

Teacher Preparation in English

Those students who wish to become licensed teachers should apply to the five-year Master of Arts in Teaching (M.A.T.) program. Students earn a B.A. in English during the first four years and then take an additional year of studies leading to an M.A.T. degree. Completing the B.A. in English without a declared concentration is recommended. Students majoring in English can prepare to teach elementary school, pre-kindergarten through grade six, all core subjects, or secondary school, grades six through 12, in the content area of English. Application to the program must be made in spring of the junior year. See the *Graduate Catalog* for application instructions and requirements. Students accepted into this program must complete one of the following tracks for graduation with the bachelor's degree:

Elementary level (PK-6) Track

Major courses required:

See requirements for the B.A. in English.

Support courses required:

- ENGL 123, 223, 310 or 331, and 316;
- COMM 201 or THEA 230;
- CPSC 110;
- MATH 109, 125;
- HIST 111, 121, 122;
- POLS 101;
- GEOG 210;
- PSYC 208, 312;
- SOCL 314/314L;

- BIOL 107 or 108; CHEM 103; PHYS 141; PHYS 105L or BIOL 109L;
- NSCI 310.

* Support courses may change based on regulations from the Virginia Department of Education.

Graduate courses* required (senior year):

Select six credits from a), b), or c):

- a) MATH 570;
- b) PSYC/TCHG 544; or
- c) MLAN 511, ENGL 530.

* See the graduate catalog for course descriptions.

Secondary level (6-12) Track

Major courses required:

See requirements for the B.A. in English, no concentration. As you plan your undergraduate program, include the following required courses: ENGL 308W, 309W, 315, 345 or 412, 331 and 421, one 300/400-level course in American literature, one film course, and one course in World literature.

Support courses required:

- MATH 125;
- CPSC 110;
- COMM 201 or THEA 230;
- ENGL 315, 331, 421
- MLAN 311;
- PSYC 207 or 208 and 312;
- SOCL 314/314L.

Graduate courses* required (senior year):

Select six credits from a), b), or c):

- a) ENGL 526;
- b) PSYC/TCHG 544;
- c) MLAN 511 or ENGL 530.

* See the graduate catalog for course descriptions.

Teacher Preparation in English as a Second Language (ESL)

For students who wish to become licensed teachers of ESL, further information is available under the Department of Modern and Classical Languages and Literatures.

THE CURRICULUM IN ENGLISH

ENGL 105. Literatures of the Western World (3-3-0) AIWT

This course offers students the opportunity to read and discuss some of the significant texts of Western culture. Works from antiquity, the Middle Ages, the Renaissance, Romanticism, Realism, Modernism and Postmodernism will expose students to the western canon, the major historical periods and traditions, and the defining ideas, cultural perspectives and pattern of thought that have evolved in Europe throughout history as well as the Americas after 1500.

ENGL 123. First-Year Writing Seminar (3-3-0)

The First-Year Writing Seminar introduces students to the

conventions of reading and writing appropriate for liberal arts learning, in particular the ability to analyze and produce sophisticated arguments, proposals, reports, analyses and other academic genres that position their views within ongoing social and cultural questions. Individually and collectively, students will read and discuss challenging texts, evaluating text styles, conclusions, and evidence. They will also draft and revise essays that reflect deeper critical thought, an effective prose style, an ability to evaluate outside research to complement their writing and consideration of an audience's expectations. The course offers students frequent written and oral feedback on their writing and prepares students for the Second-Year Writing Seminar by providing guidance for students to incorporate multiple print and electronic resources into their writing. *Students must earn a C- or higher to satisfy University degree requirements.*

ENGL 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

ENGL 200. Literary Foundations I: Ancient through 17th Century (3-3-0)

This course introduces students to the masterworks and key literary concepts from Early England and the American colonies in dialogue with the most influential Classical and Continental sources and inspirations. Classical and medieval authors studied may range from Virgil, Ovid and Seneca, to Petrarch, Dante and Chaucer. Early Modern British and American may include Shakespeare, Sidney, Jonson, Raleigh and Donne to Michael Wigglesworth, Cotton and Increase Mather and Anne Bradstreet. Students will explore alternative voices and cultural contexts in each unit, along with learning about important literary, philosophical and historical changes.

ENGL 201. Literary Foundations II: 18th Century through mid-19th Century (3-3-0)

This course covers the masterworks of English and American literature in dialogue with Continental sources and inspirations from the late Renaissance through the Enlightenment, Romanticism, and the beginnings of Realism. British and American authors such as Pope, Swift, Blake, Wordsworth, Keats, Austen, Emily Brönte, Shelley, Franklin, Hawthorne, Melville, Longfellow and Thoreau will be studied both as representatives of the period, and in conversation with some of their European peers (e.g., Voltaire, Goethe, Pushkin, Balzac, etc.). Topics may include the transformation of economic value from land to capital; a rapidly expanding print culture; the political rhetoric of republicanism, freedom and individualism.

ENGL 202. Literary Foundations III: Mid-19th Century through 21st Century (3-3-0)

This course explores English and American literary traditions from the mid-nineteenth century to the present, covering realism, modernism, postmodernism, imperialism and postcolonialism. It situates anglophone literatures in

dialogue with global patterns of influence and inspiration. Selections from English and Commonwealth traditions may include writers such as Tennyson, Browning, Hardy, Dickens, Hopkins, Rossetti, Yeats, Joyce, Woolf, Tagore, Achebe and Rushdie. The American tradition will be represented by authors such as Douglass, Dickinson, James, Whitman, Faulkner, Hughes, Ginsburg, Ferlinghetti, Pynchon, Morrison, and Wallace. Other international authors may include Basho, Rimbaud, Flaubert, Dostoyevsky, Tolstoy, Proust, Mann, Ahkmatova, Borges, Neruda, García Márquez and Murakami.

ENGL 215. Popular Genres (3-3-0) AICE

Pre or Corequisite: ENGL 123.

Study of the creative concept and practice of a single popular genre such as fantasy, romance, horror, detective novels, sensation novels, etc.; the focus will vary from semester to semester and be determined by the instructor for that term.

ENGL 216. Ruthless and Revered: Moral Character, Leaders, and Literature (3-3-0) AIWT

What can tomorrow's leaders learn from literature? Looking at pivotal moments in literature when leaders must choose between the temptations of fame and their own consciences, this course will examine how leaders achieve success or fail, change the world or destroy it, manipulate and mesmerize the masses, or rescue and guide those in need. Works such as *Murder in the Cathedral*, *Schindler's List*, *A Man for All Seasons*, *St. Joan*, *Things Fall Apart*, and *Waiting for the Barbarians* will provide the context for examinations of decision-making and the challenges that test fictional leaders.

ENGL 223. Second-Year Writing Seminar (3-3-0)

[Formerly ULLC 223, equivalent]

Prerequisite: ENGL 123 and sophomore standing.

The Second-Year Writing Seminar enhances the critical reading and writing foundations introduced in English 123, and develops them with a focused exploration of literary and textual topics. Seminars center on the specialty expertise of the course instructor and emphasize research and information literacy. Students will be required to locate, analyze, synthesize, and present primary and secondary sources. Through a process of staged writing and revision, students will produce a polished research paper. *Students must earn a C- or higher to satisfy University degree requirements.*

ENGL 250. Shaping Language: An Exploration of Creative Writing (3-3-0) AICE

Through exposure, investigation and production, this course will give students the opportunity to engage with the four primary modes of creative writing: poetry, fiction, creative nonfiction and dramatic writing. Along with broad reading and analysis from a production standpoint, students will focus on skills all writers use to capture and convey the personal experience of the world to the public space. Over the course of the semester each student will produce a writing portfolio and engage in peer critiques that display understanding of creative writing vocabulary and technique.

ENGL 256. Introduction to Film Studies (3-3-0) AICE

Prerequisite: ENGL 123.

This course introduces students to fundamental aspects of film studies as a discipline, including an attention to the critical analysis of the cinematic image, significant trends in film history, film genres and their cultural ideology, major directors and foundational essays in film theory.

ENGL 271. The Arthurian Legend in Fiction and Film (3-3-0) AIWT

Pre or Corequisite: ENGL 123.

This course studies the origins of the Arthurian Legend in medieval Wales, England, Ireland and France, then explores the ways in which the legend was transmitted and transformed through the 20th century. Students will read and discuss primary and secondary texts to explore issues such as the relationship between myth, legend, history, fiction, and folklore; national identity and ideals of kingship; heroes and heroic identity; as well as medievalism, and the uses of the past.

ENGL 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

ENGL 304. WI: Creativity, Out of Conflict (3-3-0) AICE

Prerequisite: ENGL 223 with a C- or higher.

One of the fundamental engines of literary production is conflict, whether through war, cultural clashes or social unrest. A destructive moment can produce a creative response. Out of the Trojan War, Homer produced *The Iliad* and *The Odyssey*. The course will focus on particular conflict-ridden moments in history and the literature that came out of them. Potential topics include dictatorships, the French Revolution, the American Civil War, the Mexican Revolution, Irish independence, the Russian Revolution, the World Wars of the 20th century, and the current Israeli-Palestinian Conflict. This course partially satisfies the writing intensive requirement.

ENGL 308. WI: Literature, Theory, and Culture (3-3-0)

Prerequisites: ENGL 223 with a C- or higher; and either ENGL 200, 201, or 202; English majors only.

In this introductory course for the English major, students learn about a variety of theoretical approaches in textual interpretation, as well as the methods of and reasons for literary research. The course offers a historical survey of the field's most important figures, schools, and movements, emphasizing contemporary literary theories. Students learn to appreciate literary texts and theories and develop their understanding of intellectual, moral, formal and aesthetic features. Along with short interpretive essays, students will produce a substantive analytical paper informed by literary theory and scholarly research. This course partially satisfies the writing intensive requirement.

ENGL 309. WI: Creative Nonfiction (3-3-0)

Prerequisite: ENGL 223 with a C- or higher.

Through analysis and practice, students will craft works of creative nonfiction that may include memoir, personal essay, reported narrative, nature writing, magazine story and multimedia texts. Writing projects will incorporate techniques from fiction, poetry, journalism, documentation and qualitative research to focus on language, structure and audience reception. Readings emphasize analysis of polished writing and revision growing from peer review and writing workshops. This course partially satisfies the writing intensive requirement.

ENGL 310. Introduction to Linguistics (3-3-0) AIGM

Prerequisite: ENGL 123. Pre or Corequisite: ENGL 223.

An exploration of the major fields of linguistics (the scientific study of language). Topics include sound (phonetics/phonology), word parts (morphology), word orders (syntax), meaning (semantics/pragmatics), language acquisition (psycholinguistics) and dialects (sociolinguistics).

ENGL 312. History of the English Language (3-3-0)

Prerequisite: ENGL 223.

In this course we will study the history of the English language, using primary texts ranging from some of the earliest records to our own speech. We will consider some of the changes in the orthography, phonology, morphology, syntax and lexicon of the language that have occurred in the last thousand or so years. We will also consider the social, cultural, historical and linguistic forces which might have motivated those changes.

ENGL 313. Literature and Social Issues (3-3-0) AIGM

Prerequisite: ENGL 123. Pre or Corequisite: ENGL 223.

This course is designed to provide students with an opportunity to explore the ways in which literary texts interact inside their particular social, cultural, and political contexts. Because literature is not produced in a vacuum but instead records, promotes, interrogates, or critiques the dominant discourses of its culture, students in the course will examine the political, social, and/or cultural contexts of selected works in order to more fully understand the concerns of the text, the author, and the society that produced them both. Specific topics will vary by instructor.

ENGL 315. Adolescent Literature (3-3-0)

Prerequisite: ENGL 123. Pre or Corequisite: ENGL 223.

An exploration of the theme of coming to age in adolescent literature as expressed in a representative sample of genres for young adults: historical fiction, contemporary realistic fiction, fantasy, and poetry. Not a course devoted to pedagogical concerns or techniques.

ENGL 316. Children's Literature (3-3-0)

Prerequisite: ENGL 123. Pre or Corequisite: ENGL 223.

An exploration of a representative sampling of literature written for children, focusing on the primary genres of children's books: picture books, fairy tales, fantasy, realistic

fiction and poetry. Not a course devoted to pedagogical concerns or techniques.

ENGL 320. Studies in Women and Literature (3-3-0) AIGM

Prerequisite: ENGL 223 with a C- or higher.

Students will analyze the influence of gender on literary texts and films by and about women. The focus will vary from semester to semester and may include historical surveys, major authors, genres and special topics including motherhood; marriage and the family; sexuality; the nature of work; religion and spirituality and literary theory on women and gender.

ENGL 323. Literatures of the Globalized World (3-3-0)

Prerequisite: ENGL 123 with a C- or higher.

Corequisite: ENGL 223 with a C- or higher.

This course examines assumptions about the interconnectivity of nations, cultures, languages, literary traditions and regions from a thematic perspective. Course offerings may range widely across history, regions, cultural and literary traditions, or focus more narrowly on the literary works produced over time in a particular region of the world by distinct cultural and language traditions.

ENGL 324. Exploring Alterity (3-3-0)

Prerequisite: ENGL 123.

Corequisite: ENGL 223.

This course examines representations of otherness, difference, dissimilarity and hybridity in literature and film. It explores how humans tend to identify themselves in relation to others (often via principles of inclusion and exclusion, similarity and difference), and interrogates the power structures and negative connotations embedded in and necessitated by the idea of a norm. In literature, ethnic, cultural, social, sexual or physical alterity is often projected onto a sometimes monstrous “other,” who may be feared, familiar, rejected, desired, uncanny, victimized, or sympathetic. Themes and subjects may range from historical depictions of cultural contact, slavery, and marginalization to speculative representations of vampires, werewolves, or mutants.

ENGL 326. WI: Writing about the Environment (3-3-0)

Prerequisite: ENGL 123 with a C- or higher.

Corequisite: ENGL 223 with a C- or higher.

This course presents students with the chance to learn and practice communicating persuasively, intelligently, and compassionately about our contemporary environmental challenges to different audiences with sometimes competing interests and desires. The course is designed as a seminar in which students develop the skills necessary to produce compelling and informative narratives about environmental issues to inform the general public and to develop persuasive arguments intended to influence key decision-makers, including elected and appointed government officials. This course partially satisfies the writing intensive requirement.

ENGL 331. The Structure of English (3-3-0) [Formerly ENGL 430, equivalent]

Prerequisite: ENGL 223 with a C- or higher.

Application of current linguistic theories to the analysis of English grammatical structures pertinent to understanding how the forms of words and phrases combine and function together to create well-formed sentences in Standard English. Recommended prior to or simultaneously with English 309W.

ENGL 339. WI: Tutoring in the Writing Center (3-3-0)

Prerequisite: ENGL 223 with a C- or higher.

This course introduces students to the theory and philosophy of Writing Center teaching, provides practical experience in working with writers and their texts, and offers a review of basic grammar and punctuation rules with an eye toward being able to explain concepts and identify problems common to student writers. The course is also the required preparation for working as a peer consultant in the Alice Randall Writing Center. This course can be repeated once for a total of six credits and partially satisfies the writing intensive requirement.

ENGL 339L. Writing Center Experience/Advanced Writing Center Experience (credits vary)

Prerequisite: ENGL 339W.

This course complements ENGL 339W and allows students the opportunity to further hone their writing and teaching abilities as they work with other writers as peer consultants in the Alice Randall Writing Center. The Writing Center functions as a hub of campus intellectual activity: working one-on-one with student writers from every discipline. Writing Center peer consultants also conduct writing workshops for small groups of students, help publicize Writing Center programs, and gain first-hand experience in Writing Center operation. **This course is graded as Pass/Fail;** English majors or minors may take it for elective credit. ENGL 339L is repeatable to a maximum of six credit hours.

ENGL 341. The Invasion of America: Concepts of Americanness (3-3-0)

Prerequisite: ENGL 123. Pre or Corequisite: ENGL 223.

The “invasion” of the North American continent by Europeans (British, Spanish and French) had a profound effect on North American peoples and their cultures. In this course students will read pre- and post-contact Native American literatures, Spanish epics and travel narratives, as well as the literature of British and African America, Puritans, Southern colonial adventurers and slaves. The course will explore the ways in which American identity has always been a contested space for three distinct groups of “early Americans”: African, European and Native Americans. The class will focus on literary texts but will also utilize the important work of cultural historians of early America.

ENGL 342. Financial Fictions and the Rise of Realism (3-3-0)

Prerequisite: ENGL 123. Pre or Corequisite: ENGL 223.

Financial booms, busts, and bubbles have transformed the United States from an agrarian land to a consumer society. Between the Civil War and World War II, American authors responded to these financial gyrations, revealing how economic forces shaped our concept of nation, class, gender and race. Reading works by authors, such as Mark Twain, Charlotte Perkins Gilman, Edith Wharton, Theodore Dreiser, F. Scott Fitzgerald and John Steinbeck, students will analyze financial fictions and the ways in which wealth, poverty, urbanization and consumption affect individuals and bring into existence new social institutions and new aesthetic forms: realism, naturalism and mass media.

ENGL 343. Postmodern America (3-3-0)

Prerequisite: ENGL 123. Pre or Corequisite: ENGL 223.

What do the novels of Kurt Vonnegut, the short stories of Ursula Le Guin, the poetry of John Ashbery, the film *Memento*, the art of Andy Warhol and the buildings of Michael Graves have in common? All have been called “postmodern.” Using meta-narrative, pop culture, humor, parody, temporal dislocation and pastiche, postmodern artists depict a pluralistic society. This course will explore how American postmodern works continue the experimentation of modernism but also question its assumptions. In papers and presentations, students will have an opportunity to explore these postmodern trends throughout our culture, in literature, film, art and other media.

ENGL 345. African-American Literature and Culture (3-3-0)

Prerequisite: ENGL 123. Pre or Corequisite: ENGL 223.

This course is designed to introduce students to key issues, themes, and methods in African-American Studies as well as encourage further study of the discipline. Students will read texts in a range of genres spanning three centuries, attain a foundation in African-American tradition, and gain some sense of how African-American writers addressed issues of race, gender, nation, slavery and citizenship. Students will use the readings as entry points into a discussion of the historical period and cultural moment, which informed their creation.

ENGL 346. Black Presence and Presentation on the American Stage (3-3-0)

Prerequisite: ENGL 123. Pre or Corequisite: ENGL 223.

This course will examine how African-Americans have been portrayed and/or erased on the American stage. By looking at works from a variety of periods and performance stances, students will explore what constitutes an effective representation and an offensive representation. Students will also consider if representation is a method of empowerment or oppression. Some playwrights read might include Tyler Perry, Samuel Arnold and George Colman, Lorraine Hansberry, August Wilson, Ridgely Torrence or Suzan-Lori Parks.

ENGL 350. WI: Writing for the Digital Humanities (3-3-0)

Prerequisite: ENGL 223 with a C- or higher.

By writing with and critically analyzing digital platforms and texts, along with the production of new media objects, students are challenged to go beyond print-based composition to explore the affordances of multimodal technologies, especially collaboration. Specific topics vary by instructor, but may include social media, blog-writing, and digital rhetorics and design. This course partially satisfies the writing intensive requirement.

ENGL 351. WI: Fiction Writing (3-3-0)

Prerequisites: ENGL 223 with a C- or higher.

Practice writing and rewriting fiction. Close reading of stories linked to technical exercises. Manuscripts exchanged and discussed—in person or via email. Emphasis on the cultivation of effective fiction over time and through focused exercises. This course partially satisfies the writing intensive requirement.

ENGL 352. WI: Poetry Writing (3-3-0)

Prerequisite: ENGL 223 with a C- or higher.

What is a poem, and what place does poetry have today in our lives? Poetry writing tackles not just the big questions of being human but also the smaller mundane aspects of existence. To write poetry often means to take the familiar and the ordinary, both words and experiences, and make them strange, exciting, engaging. Students will read published poets and student drafts to explore and learn poetic techniques and become stronger poets and writers through workshop critiques and revisions.

ENGL 353. WI: Writing for the Professions (3-3-0)

Prerequisite: ENGL 223 with a C- or higher.

This course introduces the principles, theories, and practices of writing for various professional situations. Clearly and effectively communicating ideas, in both written and oral forms, is a powerful skill in today’s workplace, and one beneficial for all majors. Communication changes frequently across fields and disciplines, making it necessary for professionals to become adaptable writers and readers of many documents, in all mediums. Thus, this course includes such professional genres as memos, letters, proposals, abstracts, reports, resumes, supporting documentation, tables, graphs, and figures. The course also requires students to adapt written material into an oral presentation. This course partially satisfies the writing intensive requirement.

ENGL 356. WI: Film, Theory and Culture (3-3-0)

Prerequisite: ENGL 223 with a C- or higher.

This course introduces students to critical methods for interpreting film and writing about film. Students compose several papers that demonstrate various critical lenses corresponding to academic and journal writing styles. This course is required for the film studies minor and partially satisfies the writing intensive requirement.

ENGL 365. WI: Playwriting (3-3-0) AICE
[same as THEA 365]

Prerequisite: ENGL 223 with a C- or higher.

What makes a story a script? What makes a script stageworthy? Building from simple scenarios, scores and situations, students develop a playwright's vocabulary in the areas of dramatic form and theatrical expression, including principles of structure, action dialogue, spectacle and character. Students work through multiple drafts to produce an original one-act play. This course partially satisfies the writing intensive requirement.

ENGL 372. Early Modern British Literature (3-3-0)

Prerequisite: ENGL 123.

Corequisite: ENGL 223.

This course examines the revolutionary politics, social change, reinvented classical concepts, and global explorations at the heart of Early Modern British Literature. Texts will range from fantastical epic poems like Spenser's *The Faerie Queene* and the witty poetry of the Cavalier poets to political pamphlets, travelogues, and plays - all from a range of writers such as Christopher Marlowe, Queen Elizabeth I, Aemilia Lanyer, John Donne, John Milton, and George Buchanan. While the course will focus on the literature of key historical movements, like the Protestant Reformation and English Civil Wars, it will also explore texts relating to Britain's increased global explorations and expansions.

ENGL 373. Myth, Legend, and Romance in Medieval Britain (3-3-0)

Prerequisite: ENGL 123. Pre or Corequisites: ENGL 223 and either ENGL 200, 201, or 202.

From magical cauldrons to cosmogonic pigs, this course examines a wide range of early myths, legends and romances from England, Ireland, Scotland and Wales in their historical and literary contexts. Texts will range from heroic and legendary tales like the Mabinogi and the Táin Bó Cúalnge, to metrical and alliterative romances like Sir Orfeo and Sir Gawain and the Green Knight. Students will collaborate on blogs, write two papers and one exam as they explore the rich literary heritage and cultural imagery of early Britain.

ENGL 374. Romanticisms and Realisms (3-3-0)

Prerequisite: ENGL 123. Pre or Corequisite: ENGL 223.

The tension between Romanticism and Realism reflects the dynamic formation of modern society in the nineteenth century, as Romantic writers such as William Wordsworth and Mary Shelley radically reenvision the ideal relationships among humankind, nature, society and the Divine, whereas Realist writers such as George Eliot and Thomas Hardy seek to explore the common condition of the individual within a complex web of social relationships and institutions. Within the broad definitions of Romanticism and Realism, this course examines the diverse ways that 19th century British authors created and reshaped those traditions, producing a variety of Romanticisms and Realisms that continue to influence literary history through the twentieth century and beyond.

ENGL 376. Make it New: 20th Century British Literature (3-3-0)

Prerequisite: ENGL 123. Pre or Corequisite: ENGL 223.

At the turn of the 20th Century, writers in London began to demand the authors "make it new!" ushering in the Modernist period. This course will trace the literary aspects of a watershed artistic movement that swept literature, fine art, music, and architecture into the turbulent Twentieth Century. Examining the tensions between literature and politics, chiefly the two world wars and the ensuing decolonization of many Anglophone nations, this course will introduce students to modern and contemporary literature of the British Isles, offering the opportunity to study major writers of poetry, drama, and fiction, such as T. S. Eliot, W. B. Yeats, James Joyce, Virginia Woolf, and Samuel Beckett.

ENGL 380. Film and Literature (3-3-0)

Prerequisite: ENGL 123. Pre or Corequisite: ENGL 223.

This course investigates the myriad ways film and literature may be understood as conversant, symbiotic, and even combative mediums. The relationships between film and literature will be examined in terms of how one is adapted into the other, how both represent the cultural concerns of a particular historical moment, and how each depends upon and enhances certain stylistic strategies of narrative and non-narrative storytelling. Course may be repeated once for a total of six credits.

ENGL 381. The Roaring Twenties: Film, Literature, and Drama of the Jazz Age (3-3-0) AIWT

Prerequisite: ENGL 123. Pre or Corequisite: ENGL 223.

Flappers, fast cars, mass media, World War I, the avant-garde, the Harlem Renaissance – this course examines this decade's fast-paced intensity in the United States and Europe and its wide cultural influence.

ENGL 385. American Film (3-3-0)

Prerequisite: ENGL 123. Pre or Corequisite: ENGL 223.

This course addresses the origins, rise and dominance of American film from the 1890s to the present. This course will investigate major issues in American cinema, among them the advent of sound and color technology, the institution of the censorious Production Code, the renewal of Hollywood film in the 1970s, and the innovations of experimental and independent filmmaking. Additionally, the course will contextualize the formation of American film in light of pertinent cultural issues, such as the Cold War, changing notions of gender and sexuality, expanding boundaries of American identity and the developments of global capitalism.

ENGL 390. Topics in Literary and Rhetorical Theory (3-3-0)

Prerequisite: ENGL 308.

This course explores theoretical approaches to understanding texts by engaging students in an in-depth exploration of one or two specific schools of thought. Topics may include reader-oriented criticism, rhetorical or discourse theories, cultural

materialism, formalisms, distant reading, performativity, gender and queer theory, psychoanalysis, post-structuralism and post-humanism, animal studies, trauma studies, the ethics of reading, or post-colonial theory.

ENGL 392. Travel and Culture (Credits vary 1-3)

Prerequisite: ENGL 123. Pre or Corequisite ENGL 223 and consent of instructor.

This course is designed to allow students from all disciplines to travel in the United States and abroad to study language, literature, and writing. Topics and destinations vary, determined by the special interests and needs of students and the expertise of faculty. May involve additional fees. Course may be repeated once for credit.

ENGL 393. Environmental Imaginings (3-3-0)

Prerequisite: ENGL 123. Pre or Corequisite: ENGL 223.

From Theocritus to Mary Oliver, writers have depicted nature in drastically different ways, revealing our environment to be idyllic, evil, divine, replete, unfinished, illusory and endangered. From pastoral poetry to dystopian novels, authors of environmental literature have recorded, revealed and shaped our attitude towards the natural world. Students will employ eco-criticism to analyze literary works by writers, such as William Wordsworth, Henry David Thoreau, Richard Jefferies, Willa Cather, Robert Frost, Rachel Carson, Aldo Leopold, Gary Snyder and Barry Lopez. Pertinent narrative and documentary films may also be addressed. Although a literature course, interdisciplinary theories and research will be encouraged.

ENGL 395. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. A maximum of nine hours in ENGL 395 / 495 may be offered toward completion of major requirements.

ENGL 410. Southern American Literature (3-3-0)

Prerequisites: Either ENGL 200, 201, or 202; and ENGL 308W with a minimum C-.

Intensive study organized around such writers as William Faulkner, Ellen Glasgow, Richard Wright, Eudora Welty, Katherine Anne Porter, Thomas Wolfe, Zora Neale Hurston, Flannery O'Connor, Robert Penn Warren, Tennessee Williams, Walker Percy, Truman Capote, James Dickey, Peter Taylor, William Styron, and Ellen Gilchrist, or themes such as family and storytelling.

ENGL 412. Multicultural American Literature (3-3-0)

Prerequisites: Either ENGL 200, 201, or 202; and ENGL 308W with a minimum C-.

Study of writers who have added their voices to Multicultural American literature. Analysis of the works by writers such as Toni Morrison, Alice Walker, August Wilson, Amy

Tan, Louise Erdrich, and others will illuminate the influence of race, class, gender, and ethnicity upon the writer's sense of self, family, and community.

ENGL 415. Genre Studies (3-3-0)

Prerequisites: Either ENGL 200, 201, or 202; and ENGL 308W with a minimum C-.

Study of the concept and practice of genre through analysis of works drawn from the American, British, or world traditions. Course material, which will vary based on the interests of the instructor, may include drama, epic, lyric, novel, romance, satire, tragedy, short story, film noir and linked or framed narrative. Course may be repeated once for a total of six credits.

ENGL 416. Advanced Studies in Children's and Adolescent Literature (3-3-0)

Prerequisites: Either ENGL 223 and ENGL 315 or 316 or CHST 201.

This course will deepen students' understanding of children's and adolescent literature by concentrating on selected historical periods (such as the *Golden Age* of children's literature), literary modes or genres (such as picture books or historical fiction), or the influence of ideological beliefs (such as constructions of race and ethnicity, or gender) on the composition and receptions of texts for children.

ENGL 421. Shakespeare (3-3-0)

Prerequisites: Either ENGL 200, 201, or 202; and ENGL 308W with a minimum C-.

Intensive study of the major plays of Shakespeare in their historical, cultural and performance contexts. Reading list available from the instructor.

ENGL 423. Major Authors (3-3-0)

Prerequisites: Either ENGL 200, 201, or 202; and ENGL 308W with a minimum C-.

Intensive study of the works of a single major author from the American, British, or World traditions, such as Melville, Chaucer, Hitchcock or Garcia-Marquez. Course may be repeated once for a total of six credits.

ENGL 428. Literary Booms (3-3-0)

Prerequisites: Either ENGL 200, 201, or 202; and ENGL 308W with a minimum C-.

Over time and across the globe, there are moments and places that bear witness to amazing surges of literary production: 5th Century BC Athens, the 9th Century Tang Dynasty, Golden Age Spain, the Harlem Renaissance, the 20th Century Boom in Latin American literature, post-independence African literature. In any one semester, this course will feature one of these flowerings of genius as well as explore the cultural and historical moment that produced it.

ENGL 429. East-West Literary Relations (3-3-0)

Prerequisites: Either ENGL 200, 201, or 202; and ENGL 308W with a minimum C-.

The course is broadly defined to allow for a variety of investigations into East-West literary exchanges (the modern West's "discovery" of the East, Britain and the Indian subcontinent, Europe and the Middle East, Russia and Eurasia).

ENGL 450. Advanced Writing Workshop (3-3-0)

Prerequisites: Grade of B or higher in ENGL 309W or 351 or 352, or consent of instructor.

This workshop is designed to refresh the student's sense of writing by joining the centuries-old conversations among writers. Readings in both prose and poetry provide a context—and impetus—for assignments. Each student will also develop an independent project consisting of one or more works refined to highest quality. Conferences invited.

ENGL 452. WI: Writing for Children: Second World Fantasy (3-3-0)

Prerequisite: ENGL 223 with a C- or higher.

This course explores children's fantasy fiction. Students read historically influential texts from Greek, Roman and Celtic traditions and are then exposed to a range of authors, from Lewis Carroll, L. Frank Baum, J.M. Barrie, C.S. Lewis, and J.R.R. Tolkien, to more modern authors, such as J.K. Rowling, Philip Pullman, and Neil Gaiman. Academic reading includes theoretical work by Colin Manlove and J.R.R. Tolkien. Students will produce three polished chapters and an outline for a novel. Previous experience in creative writing is recommended as is ENGL 316. This course partially satisfies the writing intensive requirement.

ENGL 453. Writing for Children: Picture Books (3-3-0)

Prerequisites: ENGL 123, 223.

This course explores the design and creation of picture books. Focus will concentrate on theoretical discussion of how the visual text works with, amplifies, or works against the written text, and how color, framing and style contribute to the meaning of a text. Author/illustrators considered include Randolph Caldecott, Beatrix Potter, Dr. Seuss, David Wiesner, Ed Young, and Edward Gorey. Over the course of the semester each student will create one complete thirty two-page picture book. Previous experience in creative writing is recommended as is ENGL 316. Proficiency as an illustrator is not required.

ENGL 454. WI: Writing for Civic Engagement: Public Relations and Grants (3-3-0)

Prerequisite: ENGL 223 with a C- or higher.

This course will help students analyze the communications, public relations, and grants needs of educational, social, political, arts, and faith-based organizations that work for the public good. Students will, through partnering with

businesses, nonprofits, and government agencies, learn how to use writing as a vehicle for lasting social change. This course is recommended for students interested in public relations, fund raising and business, as well as the development of successful service-learning projects across the curriculum. This course counts for 30 hours toward Service Distinction and partially satisfies the writing intensive requirement.

ENGL 462. Documentary Film and Community (3-3-0)

Prerequisite: Permission of instructor.

This course examines the history, theory, and practice of documentary film, with an emphasis upon its distinctive narrative and visual elements. Students will study significant films and directors in the documentary tradition, while delving into questions about the representation of communities and the nature of reality. Students will also create and workshop their own short documentary films, drawn from various cinematic documentary styles, such as cinema-verite, expository, and poetic.

ENGL 490. WI: Senior Seminar (3-3-0)

Prerequisites: Either ENGL 200, 201, or 202; and English 223 and 308W with a minimum C- or higher.

Following up on practical skills and literary theoretical skills acquired in ENGL 308W, students will hone literary research skills. The seminar experience encourages students to explore a new theme, or return to a particular text to produce a fuller, more complex reading. Students will bring to the seminar a broad knowledge of literary text necessary to develop a thesis-driven interpretive essay that successfully incorporates the work of critics. Students may expand and deepen an essay developed in an earlier course, if approved by the instructor. This course partially satisfies the writing intensive requirement.

ENGL 491. Internship in Writing (3-3-0)

Prerequisites: English or Communication major; junior standing, at least one upper-division writing course with a minimum grade of B or higher; and consent of instructor.

Part-time internship in writing. See Dr. Mary Wright, Dr. Nicole Emmelhainz or Dr. Ivan Rodden for availability and eligibility requirements for public relations or professional writing in association with nonprofit organizations, local businesses or government, publishing, or creative writing. Course may be repeated once for a total of six credits.

ENGL 495. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

ENGL 499. Independent Study (Credits vary 1 -3)

Prerequisite: senior standing, consent of instructor and Department Chair.

ENVIRONMENTAL STUDIES

Dr. Andrew B. Kirkpatrick, Director

McMurran Hall 359D

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andrew.kirkpatrick@cnu.edu

Mission Statement

Departments from each of the University's three colleges are committed to providing effective responses to contemporary environmental challenges. This is a complex undertaking precisely because these challenges operate at the intersection of physical, biological and cultural systems. Impactful solutions require an interdisciplinary understanding of phenomena operating across these systems.

Overview

The environmental studies major is designed to integrate diverse perspectives in the liberal arts and sciences curriculum in order to provide the academic breadth necessary for an enhanced and detailed understanding of the environmental issues that are profoundly altering biotic and social systems across the planet. All environmental studies majors will be equipped to critically analyze policy statements and public discourse regarding the environment. In addition, research methodologies and environmental theory will form the basis for student investigations. Students graduating with a major in environmental studies will be well placed for employment in the public or private sectors, or, alternatively, possess an integrated foundation which will serve them well in graduate school. Environmental studies majors will leave CNU with an expertise that is becoming more crucial to civic engagement as we progress through the current millennium.

Program Objectives:

1. To provide an opportunity for students to understand and access the complexity of environmental challenges from an interdisciplinary perspective and to design and implement solutions to these challenges.
2. To provide courses and course-project activities that are oriented toward offering policy options and other potential solutions to decision makers at the university, community, state, federal and international levels.
3. To offer a program that will document the student's sustained commitment to the interdisciplinary study of the environment.

Bachelor of Arts degree in Interdisciplinary Studies, Environmental Studies Major

Environmental studies majors are required to complete courses across numerous disciplines. In addition to successfully completing the liberal learning curriculum, the following courses must be completed with a grade of C or higher:

1. BIOL 212/212L
2. CHEM 103 OR 121
3. CHEM 111L
4. ECON 203*
5. EVST 220
6. LDSP 250
7. MATH 125
8. ENGL 393
9. PHIL 376
10. POLS 371 W
11. Select four courses (12 credits) from the designated list of approved electives, with no more than six credits from the same discipline. Special topics and other courses may be approved by the director.
12. IDST 490, including successful completion and presentation of a research project that has been approved in advance by the director.

*Students may not receive credit for ECON 203 after receiving a grade of D- or higher in any economics course numbered 301 or higher. Environmental studies majors or minors may substitute ECON 301 with permission of the director.

The Minor Program in Environmental Studies (23 credits)

The environmental studies minor is designed to integrate diverse perspectives in the liberal arts and sciences curriculum in order to provide the academic breadth necessary for an understanding of the issues that are profoundly altering biotic systems across the planet.

The minor in environmental studies requires the following courses be completed with a grade of C or higher:

1. CHEM 103 or 121;
2. CHEM 111L;
3. BIOL 115* or 212;
4. BIOL 109L or 212L;
5. EVST 220;
6. Select two (6 credits): ENGL 393, HIST 342, HIST 343, PHIL 376, RSTD 337 or RSTD 338;
7. Select two (6 credits): ANTH 325, ANTH 331, ECON 203**, ECON 301, GEOG 211, LDSP 250, POLS 371W, POLS 391.

*BIOL 115 is offered as Topics in Ecology course with a focus that is dependent on the instructor each term. Permission from the environmental studies director is required prior to registering for this course.

**Students may not receive credit for ECON 203 after receiving a grade of D- or higher in any economics course numbered 301 or higher. Environmental studies majors or minors may substitute ECON 301 with permission of the director.

THE CURRICULUM IN ENVIRONMENTAL STUDIES

EVST 220. Introduction to Environmental Studies (3-3-0) [formerly IDST 220, equivalent]

Spring.

This course offers an introduction to environmental issues and challenges as seen from the perspective of the arts and humanities, natural sciences, and social sciences. Through study of a variety of topics and problems related to the natural environment and our relationship to it, students will gain an interdisciplinary overview of the field that will serve as a foundation for further coursework in the field. Examples of topics may include natural resources, ecology, and sustainability; environmental politics, economics and law; global climate change; and social, literary, and cultural influences on environmental thought.

EVST 395. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. A maximum of 12 credits in topics courses may be presented for graduation.

EVST 495. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. A maximum of 12 credits in topics courses may be presented for graduation.

The following course descriptions appear in appropriate sections throughout the catalog. No more than six credits from any one discipline may be presented for the major.

Electives

ANTH 325	Food and Culture
ANTH 331	Environment, Culture and Society
CHEM 104/L	Introductory Chemistry II and Lab
ECON 301	Environmental Economics
EVST 395	Topics in Environmental Studies
EVST 495	Topics in Environmental Studies
GEOG 211	Geography of Human - Environment Interaction
GEOG 308	The Urbanizing World
HIST 342	American Environmental History
HIST 343	Global Environmental History
POLS 391	International Environmental Politics
RSTD 337	Religion and Ecology
RSTD 338	Pilgrimage on the Appalachian Trail
PHYS 142	Energy: Principles, Problems and Societal Impact

FILM STUDIES

Dr. John Nichols, Director
McMurran Hall 201C
(757) 594-8896
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The Minor Program in Film Studies (15 credits)

As an artistic medium, film explores the complexity of society through its many cultural uses, serving as a source of entertainment, a pinnacle of artistic experimentation, an instrument of social persuasion, and an interdisciplinary art form. Film courses in this program offer students the opportunity to participate in critical conversations about film, enhancing liberal arts learning by emphasizing strategies for close analysis, historical inquiry, narrativity, and philosophical thinking.

The interdisciplinary film minor program invites students to examine critically the cultural production and reception of film. Students in the program will analyze film style, explore the intersection of film and society, inquire into the making of film, learn strategies for writing about film, and investigate film's relations with other disciplines. (Any of the courses may be taken without commitment to the entire program).

Program Objectives:

1. Investigate historical moments of cinematic production and reception as well as film's interdisciplinary relations.
2. Serve as a minor for students who wish to extend their work in a major to include film.
3. Offer a certificate program for students to emphasize their concentrated study of film (for a career in film or graduate studies in film).

Program Requirements:

Students should consult the director on matters of course selection and advising.

1. A minimum of 15 credits as listed below are needed to complete the minor.
2. Core requirement: ENGL 356W.
3. Select an additional four approved program electives (12 credits) to complete the minor.
4. Certain internships, independent studies, and special topics courses focusing on film may also count toward the minor as determined by the director.

THE CURRICULUM IN FILM STUDIES

The following course descriptions appear in appropriate sections throughout the catalog.

Core

ENGL 356 WI: Film, Theory and Culture

Electives

BUSN 302 Business Law for the Arts
 CLST 307 The Ancient World in Film
 COMM 295 Special Topics (a film studies topic)
 COMM 321 WI: Communication and Film
 COMM 350 WI: Media Criticism
 COMM 395 Special Topics (a film studies topic)
 ENGL 215 Popular Genres (a film studies topic)
 ENGL 256 Introduction to Film Studies
 ENGL 271 The Arthurian Legend in Fiction and Film
 ENGL 320 WI: Studies in Women and Literature
 ENGL 324 Exploring Alterity
 ENGL 365 WI: Playwriting
 ENGL 380 Film and Literature
 ENGL 381 The Roaring Twenties: Film, Literature, and Drama of the Jazz Age
 ENGL 385 American Film
 ENGL 392 Travel and Culture
 ENGL 395 Special Topics (a film studies topic)
 ENGL 415 Genre Studies
 ENGL 423 Major Authors
 ENGL 462 Community Storytelling & Documentary
 FNAR 333 Video Art
 HIST 325 Cold War Politics and Culture
 HIST 327 History on Film
 HIST 339 History of Propaganda: A Film Study Course
 HIST 395 Special Topics (a film studies topic)
 HIST 432 World War II in European Memory
 HIST 495 Special Topics (a film studies topic)
 MLAN 207 International Film
 MUSC 205 Film Music
 PHIL 326 WI: Philosophy in the Movies
 RSTD 326 WI: Religion in the Movies
 THEA 361 WI: Broadway to Hollywood and Back
 THEA 365 WI: Playwriting

DEPARTMENT OF FINE ART AND ART HISTORY

Professor Christi L. Harris, Chair
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Faculty

Associate Professor: Erhardt, C. Harris, Henry, Morán
Assistant Professor: A. Skees
Senior Lecturer: K. Skees
Lecturer: Richardson
Affiliated Faculty: Motta
Emeriti: Anglin, Alexick, Pendleton

Mission Statement

Our vision is to become a model for excellence in the application of liberal arts education to the study and creation of art. We seek to develop students intellectually, creatively, professionally and personally through a rigorous program that will distinguish our graduates as innovative thinkers and artists, ethical professionals and articulate communicators in the disciplines of the fine arts. We further seek to broaden our students' awareness of the historical continuum of the visual arts as a critical element in the history of human intelligence, imagination and creative power. As faculty members, our objective is excellence in teaching inspired by a demonstrated commitment to sound scholarship and the creation of art. As teachers, our goal is to educate and prepare students for graduate study and for leadership in teaching and other arts-related professions. We accomplish this by encouraging students to obtain a well-rounded, liberal arts education and by enhancing their communication, analytical, creative and technical skills through individual attention, intellectual growth and applied learning.

The Bachelor of Arts Degree in Fine and Performing Arts

In planning their programs of study, students should select an advisor from the Department of Fine Art and Art History during their freshman year. A minimum grade of C- is required in all courses counted toward the completion of major and elective studies for this degree.

The Fine Arts major

The fine arts major provides the student with a thorough liberal arts background while offering the fundamentals required in studio art and art history. Each of these academic disciplines allows advanced work so that the student will be prepared to pursue an arts-related career or graduate study.

In addition to requiring successful completion of the liberal learning curriculum, the Bachelor of Arts degree in fine and performing arts, fine arts major also requires successful completion of all course work in one of the following fine arts concentrations:

Studio Art Concentration

1. FNAR 117, 118, 121, 128, 201, 202;
2. Minimum of four courses (12 credits) of studio art courses at the 300-400 level;
3. Select two (6 credits) studio art courses;
4. Select two (6 credits) art history courses;
5. FNAR 371 or 377;
6. FNAR 488 (3 credits)

Note: The student must purchase all personal and expendable art material.

Art History Concentration

1. FNAR 117, 118, 201, 202;
2. FNAR 371 or 377;
3. FNAR 373 or 379;
4. One non-western art history elective (3 credits);
5. One studio art course (3 credits);
6. Select five (15 credits) art history courses;
7. FNAR 490W.

Note: The student must purchase all personal and expendable art material.

Graduation Requirements

In order to graduate with a concentration in art, the student must have successfully completed all requirements listed for the art concentration with a grade a C- or higher, and the liberal learning curriculum. In addition, during the senior year, students must successfully complete the requirement for the departmental senior seminar (FNAR 488 or 490) in the concentration of studio art or art history. Students concentrating in studio art must submit an annual portfolio of work and exhibit in the Senior Art Exhibition. Participation in the interactive gallery critique is also required. Students specializing in art history must submit a research paper demonstrating original work and participate in an oral defense. All graduating seniors are required to take the departmental exit exam and participate in an exit interview.

The Minor in Art History (18 credits)

1. FNAR 201 and 202, unless the student has permission for an exemption;
2. One studio art course (3 credits) ;
3. Three courses (nine credits) in art history electives.

The Minor in Studio Art (24 credits)

1. FNAR 117, 118, 201, 202;
2. One studio art course (3 credits) at or above the 200-level;

3. Select two (6 credits) studio art courses at or above the 300 level;
4. One art history course (3 credits) at or above the 300 level;

Note: The student must purchase all personal and expendable art material.

The Minor in Photography and Video Art (18 credits)

A minor in photography and video art provides students with the opportunity to critically evaluate photography and video art, both conceptually and technically, using principles of photographic and visual theory. By creating unique works of art that have both creative purpose and conceptual intent, students will learn highly desirable technical skills in an increasingly digital imagery based culture, as a complement to their major area of study. The minor in photography and video art requires successful completion of the following courses with a minimum grade of C- or higher:

1. FNAR 227 and 205;
2. Select three courses (9 credits): FNAR 327, 331 or 333;
3. Select one course (3 credits): ENGL 356W, FNAR 371 or 377.

Note: The student must purchase all personal and expendable art material.

Teacher Preparation in Visual Arts

Those students who wish to become teachers should apply to the five-year Master of Arts in Teaching (M.A.T.) program. Application to the program must be made in spring of the junior year. See the *Graduate Catalog* for application instructions and requirements. Students will earn a **B.A. in fine and performing arts** after the first four years and then complete an additional year of study leading to an M.A.T. degree. Students majoring in art can prepare to teach elementary school, pre-kindergarten through grade six, all core subjects, or elementary through secondary school, grades pre-kindergarten through 12, in the content area of art.

The courses and degree requirements for the M.A.T. are found in the graduate catalog. Students accepted into this program must complete one of the following tracks for graduation along with the bachelor's degree:

Elementary level (PK-6) Track

Major/concentration courses required:

See requirements for the B.A. in fine and performing arts with either the studio art or art history concentration.

Support courses required:

- ENGL 123, 223; 310 or 430, and 316;
- COMM 201 or THEA 230;
- CPSC 110;
- MATH 109, 125;
- HIST 111, 121, 122;

- POLS 101;
- GEOG 210;
- PSYC 208, 312;
- SOCL 314/314L;
- BIOL 107 or 108; CHEM 103; PHYS 141; PHYS 105L or BIOL 109L;
- NSCI 310.

***Support courses may change based on regulations from the Virginia Department of Education.**

Graduate courses* required (senior year):

Select six credits from a), b), or c):

- a) MATH 570;
- b) PSYC/TCHG 544;
- c) MLAN 511, ENGL 530.

Elementary/Secondary level (PK-12) Track: Art Endorsement

Major/concentration courses required:

In addition to the requirements for the B.A. in Fine and Performing Arts with a studio art concentration, the student needs to complete the following courses:

1. FNAR 118;
2. FNAR 128;
3. FNAR 201 and 202;
4. FNAR 224;
5. FNAR 241 or 251;
6. FNAR 252;
7. FNAR 322.

Support courses required:

CPSC 110; COMM 201 or THEA 230; MATH 125; PSYC 207 or 208, 312; SOCL 314/314L; .

Graduate* courses required (senior year):

Select six credits: FNAR 534, FNAR 538 or PSYC/TCHG 544.

*See the graduate catalog for course descriptions.

THE CURRICULUM IN ART

Art History Courses: FNAR 201, 202, 204, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 395 (in art history), 403, 490; CLST 311, 312.

Non-western Art History Courses: FNAR 374, 375, 380, 381 and 395 or 403 in non-western art history content.

Studio Art Courses: FNAR 117, 118, 121, 128, 204, 205, 224, 226, 227, 241, 251, 252, 322, 324, 326, 327, 331, 332, 333, 334, 341, 351, 352, 401, 402, 488.

FNAR 117. 3D Design (3-0-6)

[Formerly 119, not equivalent]

Fall and Spring.

3-D design is studied through assignments that integrate

elements and principles of design with a variety of sculpture-making material and techniques. Through their work, students will gain an understanding of the design process, presentation and installation. A personal vocabulary for creating 3D forms in formal critiques is developed. Students gain an awareness of art historical precedents and contemporary approaches to sculpture and design through instructor lectures, textbook readings and personal research. The student must purchase all personal and expendable art material. Lab fees apply each term.

FNAR 118. 2D Design (3-0-6)

Fall and Spring.

This course will introduce a visual vocabulary needed in ordering the elements of design for the creation of imaginative two dimensional art works in ensuing course work. Composition, color theory, techniques, and materials are a focus of the course. Other objectives include learning to critique, verbalization of intent, vocabulary usage, awareness of art historical precedents and contemporary approaches to art and design. The student must purchase all personal and expendable art material. Lab fees apply each term.

FNAR 121. Drawing I (3-0-6)

Fall and Spring.

This class is designed to teach the fundamentals of drawing from observation. Visual perception and interpretation of a composition as a whole (objects in relationship to each other and to the space they sit in) will be taught through concentration on line, value, perspective, scale, shape, edge and texture. Methods of empirical perspective (sighting) will be taught and utilized. Exercises with line and value in various media will explore concepts, materials and mark-making. Drawing experiences will include working from a variety of subject matter from direct observation, which may include simple geometric forms, still-life materials, landscape, architectural spaces, the human figure and portraiture. Lab fees apply each term.

FNAR 128. Introduction to Digital Media (3-0-6) AICE

Prerequisite: FNAR 118 or consent of instructor.

Fall and Spring.

This course is designed to introduce students to the principles and techniques of digital media and their specific application to an artistic process. During the course of the semester students will complete exercises, projects and participate in critiques, in order to develop a working knowledge of computer media as a tool for artistic expression and experimentation. While students learn software techniques, the emphasis is on applying digital technologies to the development of the student's artistic practice. Students will be introduced to 'new media' history and theory. The student must purchase all personal and expendable art material.

FNAR 195. Special Topics (3-0-6)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

FNAR 201. World Art in Context I (3-3-0 each) AICE

Fall and Spring.

This course is an introductory survey of art and visual culture from the prehistoric era to the fourteenth century and explores a broad range of artwork including, but not limited to, sculpture, painting, ceramics and architecture. The course begins by studying prehistoric art such as the cave paintings of Lascaux, and continues with examinations of other European visual arts including Greek vase painting and Roman sculpture. It will also investigate non-European arts such as African sculpture, Islamic architecture, and Mesoamerican painting. The major themes of this course include how art communicates within particular cultural and historical contexts as well as how art reflects the values, ideals, desires, beliefs, and politics of a society.

FNAR 202. World Art in Context II (3-3-0 each) AICE

Fall and Spring.

This course is an introductory survey of visual arts from the fourteenth-century to the present. The course covers a broad range of artwork including, but not limited to, sculpture, painting, ceramics and architecture. The course begins by exploring the art of Renaissance Europe and continues into the modern and contemporary periods with an examination of artistic movements from Impressionism to Abstract Expressionism. The course will also cover non-European visual culture such as South American architecture, African sculpture and Japanese woodblock prints. The major themes of this course include the social, political and religious contexts in which works of art are created as well as cultural notions of beauty and the function of the artist (and patron) in society. Students will develop an understanding of specific artistic movements, stylistic periods, and individual artists.

FNAR 204. The Artistic Process (3-2-4) AICE

Prerequisite: English 123 with a grade of C- or higher and application form with essay to the FNAR Study Abroad committee by specified deadline.

"The Artistic Process" provides a study-abroad experience which surveys works of art and architecture in the light of influences which have helped shape art. It aims to examine the close relationship between art and its cultural contexts by studying works of art in their original locations. The course fosters a deeper evaluation of both private and public art and architecture and how artifacts have been shaped by a diversity of influences. The course involves both an historical and hands-on study of principles and ideals used in works of art.

FNAR 205. Digital Photography (3-0-6) AICE

[Formerly FNAR 101, not equivalent]

Fall and Spring.

This course provides students with a strong foundation in the latest digital workflow methods, from advanced digital capture and image editing to master digital printing. Concepts covered in the course include color management, working with RAW files, managing and archiving image files. A digital SLR camera with at least 5-megapixel resolutions,

histogram display and manual capability is required for this course (ability to capture in “camera RAW” preferred). A limited number of digital SLR cameras are available for student use on a rotating basis for students without cameras.

FNAR 224. Painting I (3-0-6)

Prerequisite: FNAR 121 or consent of instructor.

Fall.

Oil painting will be studied through assignments that integrate elements and principles of design with a variety of painting surfaces and techniques. Through working from direct observation, students will gain an understanding of color mixing, color harmony, value range, and composition. Through formal critiques, students will expand problem-solving capabilities and oral presentation skills. Students gain an awareness of art historical precedents and contemporary approaches to painting and drawing through instructor lectures, textbook readings and personal research. The student must purchase all personal and expendable art materials. Lab fees apply each term.

FNAR 226. Mixed Media and Functional Art I (3-0-6)

Prerequisite: FNAR 117 or 119, 118 or consent of instructor.

Spring.

A course that explores the fundamentals of several basic craft processes and materials. This is a course suitable for teachers or others interested in learning about basic craft techniques. Possible projects include weaving, copper enameling, woodcarving, and simple jewelry making. The student must purchase all personal and expendable art material. Required for art education majors. Lab fees apply each term.

FNAR 227. Darkroom Photography (3-0-6) [Formerly FNAR 130, equivalent]

Fall and Spring.

A beginning study of the traditional black and white photographic process, with an introduction to 35mm film camera operation and wet lab printing. Emphasis will be placed on the creative use of the medium, with the understanding of composition and the many subtle qualities of light being essential components to creating a successful photograph. The student must purchase all personal and expendable art material. Lab fees apply each term.

FNAR 241. Ceramics I (3-0-6) AICE

Fall and Spring.

An introduction to the craft, art, and language for fabricating clay by using hand building and glazing techniques; students will explore the various properties of clay and the formation of a three dimensional design within a meaningful sequence; students will experience clay’s responsiveness to their thoughts and ideas under the careful, artistic guidance of the instructor. The student must purchase all personal and expendable art material. Required for art education majors. Lab fees apply each term.

FNAR 251. Sculpture I (3-0-6)

Prerequisite: FNAR 117 or 119 or consent of instructor.

Fall.

An introduction to the materials, methods and language of sculpture; students will investigate clay, wood, plaster and found objects; will explore the dynamics of three-dimensional design with emphasis on figurative, non-figurative, and environmental forms; will create specific sculpture forms and arrange interior and exterior spaces; and will move through a meaningful sequence of sculptural ideas. The student must purchase all personal and expendable art material. Required for art education majors. Lab fees apply each term.

FNAR 252. Printmaking I (3-0-6)

Prerequisite: FNAR 118 or consent of instructor; required for art education majors.

Spring.

An introduction to the techniques, traditions and innovations of modern artistic printing. This course specifically focuses on monotype, woodcut and intaglio printing processes. It will examine the principles of two-dimensional design, and will explore the creative interaction of technique and printing. Emphasis is on technical mastery and development of personal imagery. The student must purchase all personal and expendable art material. Lab fees apply each term.

FNAR 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

FNAR 322. Figure Drawing (3-0-6)

Prerequisite: FNAR 121 or consent of instructor.

Fall.

This course is designed to teach drawing skills from direct observation of the human figure. Specific exercises in line and value will increase skill and provide a tool for expression. Various media will be utilized to broaden a students drawing experience. Gesture and sustained drawings will explore both technical and experimental drawing concepts. The student must purchase all personal and expendable art material. **This course is repeatable for a maximum of six credits.** Lab fees apply each term.

FNAR 324. Advanced Painting (3-0-6)

Prerequisite: FNAR 121, 224 with a grade of C- or higher or consent of instructor.

Spring.

This is a course in oil painting which emphasizes direct observation. The student will be encouraged to begin developing individual expression through assigned problems that not only require observational skill but added creative thought. Growth in visual design aesthetic will be stressed through individual and group critique. The student must purchase all personal and expendable art material. **This course is repeatable for a maximum of six credits.** Lab fees apply each term.

FNAR 326. Advanced Mixed Media and Functional Art (3-0-6)

Prerequisite: FNAR 118 and 117 or 119 and 226.

Spring.

This course explores advanced techniques in several craft areas. The course is suitable for teachers or others interested in exploring crafts beyond the basic techniques. Possible areas of exploration include batik, wool working, copper enameling, papermaking and book arts. The student must purchase all personal and expendable art material. **This course is repeatable for a maximum of six credits.** Lab fees apply each term.

FNAR 327. Advanced Darkroom Photography (3-0-6) [Formerly FNAR 230, equivalent]

Prerequisite: FNAR 130 or 227.

Spring.

An advanced study of the traditional black and white photographic process. This course will build on the skills acquired in FNAR 227 Darkroom Photography and introduce advanced darkroom techniques. The focus of the course will be creating an individual portfolio of work that demonstrates technical ability and conceptual intent. The student must purchase all personal and expendable art material. **This course is repeatable for a maximum of six credits.** Lab fees apply each term.

FNAR 331. Advanced Digital Photography (3-0-6) AICE

Prerequisite: FNAR 205.

Spring.

In this advanced studio seminar, students will execute a semester-long independent photography project that demonstrates technical ability and conceptual intent. Building on the technical skills of FNAR 205 Digital Photography, this course emphasizes conceptual development and creation of a cohesive body of work. In addition to critique and technical demonstrations, class time is dedicated to the discussion of historical and contemporary photographers. Participation and engagement is expected in all class critiques, discussions, and projects. **This course is repeatable for a maximum of six credits.** Lab fees apply each term.

FNAR 332. Animation (3-0-6) AICE

Prerequisite: FNAR 128.

Spring, even years

This class is designed as an introduction to various basic animation techniques centered around the use of industry standard animation software. Students will gain experience in all phases of animation production. Emphasis will be on understanding the technical processes of animation in relation to narrative and experimental structure. Previous experience in raster and vector imaging is required. The student must purchase all personal and expendable art material.

FNAR 333. Video Art (3-0-6) AICE

Prerequisite: FNAR 205.

Fall.

This course introduces the basics of digital video production, with emphasis on conceptual video art. Students learn basic DV camera operation and Mac-based editing using *Final Cut Pro*. Equipped with the fundamental knowledge of hardware and software, students produce individual and collaborative projects that explore the visual language of video art. Project assignments include both abstract and narrative explorations with emphasis on conceptual development. In addition to technical instruction, class time is used for video art screenings and discussion of readings related to contemporary video art, group critiques, and individual work time and consultation. The student must purchase all personal and expendable art material. **This course is repeatable for a maximum of six credits.**

FNAR 334. Graphic Design (3-0-6)

Prerequisite: FNAR 128.

Fall.

This course introduces students to the commercial art of graphic design as a form of visual communication through the use of type, image, form, and color. Projects explore two dimensional design processes of visual identity and communication, thematic structure and hierarchy, creative problem solving, and the design practice of critiques and discussion. The student must purchase all personal and expendable art material. **This course is repeatable for a maximum of six credits.**

FNAR 341. Advanced Ceramics (3-0-6)

Prerequisite: FNAR 241 with a grade of C- or higher or consent of instructor.

Fall and Spring.

An intermediate course in ceramics that extends the exploration of the craft, by hand building and glazing; students, while demonstrating craftsmanship, creativity, and conceptual skills, will create a cohesive body of work that demonstrates growth in technique, design and content; students will develop their analytic and aesthetic capacities to discuss critically the processes and products of clay fabrication. The student must purchase all personal and expendable art material. **This course is repeatable for a maximum of six credits.** Lab fees apply each term.

FNAR 351. Advanced Sculpture (3-0-6)

Prerequisite: FNAR 251 with a grade of C- or higher or consent of instructor.

Spring.

An intermediate course in sculpture, that builds on FNAR 251; students will work toward a personal style within three-dimensional design; students' visions will be focused in figurative, non-figurative, and environmental compositions that will move toward a body of cohesive work that demonstrates a pattern of thoughts; students will work under

the disciplined guidance of the instructor. The student must purchase all personal and expendable art material. **This course is repeatable for a maximum of six credits.** Lab fees apply each term.

FNAR 352. Advanced Printmaking (3-0-6)

Prerequisite: FNAR 118 and 252 with a grade of C- or higher or consent of instructor.

Spring

This course explores a variety of concepts, methods, and tools in the making of hand-drawn, photo-based and paper-structure imagery in printmaking. While using established terms, the course explores the emerging vocabulary that is defining new types of techniques and image-making in contemporary printmaking. Developing personal narrative content in sequential imagery is emphasized using printmaking techniques. The sketchbook is used as a tool to develop and combine ideas prior to initiating prints. The student must purchase all personal and expendable art material. **This course is repeatable for a maximum of six credits.** Lab fees apply each term.

FNAR 371. Modern Art (3-3-0) AICE

Prerequisite: ENGL 223 with a C- or higher; FNAR 201, 202. Fall.

A study of Modern painting, sculpture and architecture from the late eighteenth century through the early twentieth century. The course traces the progression of successive movements in Modern Art from its origins in late eighteenth-century Neoclassicism and Romanticism through early twentieth-century styles, including Cubism, Futurism, and Surrealism. Particular attention will be given to the unfolding concept of Modernism in painting, sculpture and architecture, as well as critical reaction to "the shock of the new," as witnessed by the emergence of avant-garde movements such as Realism, Impressionism, Cubism, Surrealism, and Dada. This course partially satisfies the writing intensive requirement.

FNAR 372. Arts in the United States (3-3-0) AICE

Prerequisite: FNAR 201, 202 or consent of instructor.

Spring, alternate years.

A chronological study of American painting, sculpture, architecture and furniture from the early seventeenth century to 1920. This course presents an interpretation of American art within a social, religious and political context, and will explore issues such as art in response to European influences and American nationalism.

FNAR 373. Italian Renaissance Art (3-3-0) AICE

Prerequisite: FNAR 201, 202, or consent of instructor.

Spring, alternate years.

A study in the development of art from the early Renaissance through the 16th century. Special attention is given to the changing role of the artist, the effects of Roman and Greek archaeology, increasing nationalism, as well as establishing our conceptual vision of the world.

FNAR 374. Asian Art (3-3-0) AICE

Prerequisite: FNAR 201, 202 or consent of instructor.

Spring.

A chronological study of painting, sculpture and architecture in India, China and Japan. This course presents a study of Asian art in context, and particular attention will be given to art as a response to Asian religion, patronage and social change.

FNAR 375. Pre-Columbian Art (3-3-0) AICE

Prerequisite: FNAR 201 or consent of instructor.

Fall, every third year.

This course is a wide-ranging survey of the arts from the indigenous cultures of the Caribbean, Mesoamerica, and the Andes, prior to contact with European societies. This course will focus on the historical development of the arts and architecture of these areas and the role of art in this wide variety of social contexts.

FNAR 376. Medieval Art (3-3-0) AICE

Prerequisite: FNAR 201, 202 or consent of instructor.

Fall, alternate years.

Survey of painting, sculpture and architecture of the middle ages from the Carolingian through the Gothic periods. This course emphasizes the relationship of medieval art to religious, philosophical and social developments in Western Europe.

FNAR 377. Contemporary Art (3-3-0)

Prerequisite: FNAR 201, 202 or consent of instructor.

Spring, alternate years.

This course examines the major themes and artists of contemporary art from the late 1940s to the present. While the focus is on American and European art, recent art from other regions of the world will also be considered. The relationship between contemporary art and the socio-political contexts of this period will be addressed, including a consideration of the impact of the mass media and other technological developments. Special attention will be paid to innovative materials and methods of display, expanding concepts of art and theory, critical reception and the art market, and evolving representations of identity.

FNAR 378. Baroque Art (3-3-0) AICE

Prerequisite: FNAR 201, 202 or consent of instructor.

Fall, alternate years.

A survey of seventeenth-century European painting, sculpture and architecture. This course presents an interpretation of Baroque art in context, and will explore issues to include art in response to the Protestant and Catholic reformations, as well as the rise of middle class patronage in Northern Europe.

FNAR 379. Northern Renaissance Art (3-3-0) AICE

Prerequisite: FNAR 201, 202 or consent of instructor.

Spring, alternate years.

This course will survey the arts of northern Europe, including the Netherlands, Holland and Germany, during the Renaissance, from 1300-1600. The course will evaluate the influence of political and religious institutions, such as

the papacy and the Catholic church, international trade with Italy and Spain, the rise of Humanism and how they shaped the development of one of the most fascinating periods of western art history.

FNAR 380. Caribbean Art (3-3-0) AICE

*Prerequisite: FNAR 201, 202 or consent of instructor.
Spring, alternate years.*

A study of the arts of the Caribbean beginning with indigenous cultures and proceeding through the contemporary period. The course will focus on the differences as well as the similarities between the many cultures of the Caribbean, emphasizing both shared and local histories, and the influences of these on artistic developments.

FNAR 381. African Art (3-3-0) AICE

*Prerequisite: FNAR 201 or consent of instructor.
Spring, alternate years.*

While an introductory course on the arts of the African continent, the course also explores the various ways in which Africa and its arts have been represented by and to the Western world. We will discuss African art, but we will also examine how the study of African art has been historically constructed and how the key issues present in African art and scholarship continue to reflect this construction. Students will also examine the influence of African art on the Diaspora of the Americas and Caribbean.

FNAR 395. Special Topics (credits vary 1-3)

*Prerequisite studio art topics: As announced.
Prerequisite art history topics: As announced.
Fall and Spring.*

Topics vary, determined by the special interests and needs of students and the expertise of faculty. **This course is repeatable for a maximum of six credits.**

FNAR 401. Individual Problems in Studio (3-0-6)

*Prerequisite: basic studio courses and consent of instructor.
Fall and Spring.*

Special individualized problems in studio areas. The student must purchase all personal and expendable art material. **This course is repeatable for a maximum of six credits.**

FNAR 402. Advanced Studio Topics (3-0-6)

Prerequisite: FNAR 117 or 119; FNAR 118 and junior standing.

This course will focus on conceptual development, and is designed to provide studio experiences for upperclassmen with contemporary art practices. Topics vary, determined by the special interests and needs of students and the expertise of faculty, but may include New Genres, Performance Art, Conceptual Drawing, and Self-Portrait. **This course is repeatable for a maximum of six credits.**

FNAR 403. WI: Advanced Topics in Art History (3-0-6)

Prerequisite: FNAR 201, 202; and ENGL 223 with a C- or higher.

This course will provide the opportunity for in-depth study of specialized topics with narrow focus in art history as well as advanced writing instruction within the discipline of visual art. The course provides students with opportunities to critically analyze works of art and discuss how artistic intention and cultural context affected the form, style, and meaning of objects. Topics will vary, but may include Art of the Aztec Empire, the Art of Renaissance Florence, Numismatics and the Roman World, and Women in Art. **This course is repeatable for a maximum of six credits.**

FNAR 488. Senior Seminar in Studio Art (3-0-6)

*Prerequisite: senior standing.
Fall.*

This studio course is designed as a capstone academic experience in Studio Art. Each student is expected to create a body of work that demonstrates technical ability and conceptual intent. Students will exhibit this work in the Senior Thesis Exhibition in the spring. Requirements for successful completion of the course include an artist's portfolio made up of a curriculum vitae, slides of their work and an artist statement. In addition to studio work, students also learn about art as a profession and best business practices relevant to being a professional artist. Required of all art education majors and concentration in studio art.

FNAR 490. WI: Senior Seminar in Art History (3-3-0)

*Prerequisite: ENGL 223 with a C- or higher; senior standing.
Spring.*

This seminar is designed as a capstone academic experience in Art History. Each student is expected to demonstrate independent research as well as prepare and present a formal research paper and participate in interactive critiques. This course partially satisfies the writing intensive requirement.

FNAR 491. Practicum in Studio Art/Art History (credits vary 1-6)

Prerequisite: senior standing and consent of advisor.
Part-time internship in association with a local office, gallery or museum. Periodic conferences, written evaluations. **This course is repeatable for a maximum of six credits.**

FNAR 495. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

FNAR 499. Independent Study (credits vary 1-3)

Prerequisite: senior standing and consent of instructor and Department Chair.

Fall, Spring or Summer.

An opportunity for independent research in *Art History* in consultation with a member of the faculty from the art department. **This course is repeatable for a maximum of six credits.**

DEPARTMENT OF HISTORY

Dr. William F. Connell, Chair
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wconnell@cnu.edu

Faculty

Distinguished Professor: Santoro
Professor: Connell, Hamilton, Shuck-Hall, Xu
Associate Professor: Duskin, Falk, Hyland,
 B. Puaca, L. Puaca, Sellars
Assistant Professor: Allison, Black, Stenner
Lecturer: C. Cartwright
Emeriti: Bostick, Mazzearella, Morris, Saunders,
 Sishagne

Mission Statement

The mission of the Christopher Newport University Department of History is to serve the University and the Commonwealth by acting as a bridge to the humanities, the social sciences and the hard sciences. The Department's offerings complement these areas of learning by encouraging students to reach out and understand not only the history of human development through the ages but also to seek out the answers to society's contemporary problems and issues. The academic environment of the Department of History embraces all aspects of national, Western, and global history. By means of comprehensive offerings of courses at the introductory, upper, and graduate levels of study, the Department cultivates in its students an appreciation and zeal for learning that encompasses both theoretical and applied bodies of knowledge. To that end, the Department and its committed faculty impart to students and the community at large lessons from the great chronicle of human experience - intellectual, political, cultural, economic, and spiritual. Faculty share their own intellectual curiosity and dedication to learning through effective teaching, significant research and scholarship, and active community service.

The Department of History offers the Bachelor of Arts degree in history, a minor program, and general and specific courses for all students interested in studying history for personal enrichment or for meeting their professional needs. Survey courses are offered by which students may fulfill the liberal learning curriculum requirements, major or minor prerequisites, and education certification requirements. Courses are offered in American, European, Latin American, African, Middle Eastern, and Asian history, as well as themes in ancient and modern eras.

The study of history provides an excellent foundation for careers in areas such as teaching, business, law, politics and international development, public administration, journalism, communications, archaeology, public history and museum work, the ministry, the foreign service and the military, and graduate study. Students are taught valuable

skills such as: analysis of texts, documents and artifacts; the tools and methods of research; collection and organization of information; critical evaluation of conflicting interpretations; and the preparation and presentation of oral and written reports or reviews.

Beyond these, the student who majors or minors in history is able to bring the breadth and depth of the human experience to illuminate and give perspective to his or her workday and personal world. In short, because history brings together all the scattered areas of study, there is not a field that cannot be enriched by studying history. Last, but not least, the study of history is endlessly fascinating, enriching, enjoyable, and can remain so for a lifetime.

The Bachelor of Arts Degree in History

In addition to requiring successful completion of the liberal learning curriculum, the Bachelor of Arts degree in history requires successful completion of the following (36 credits):

1. HIST 111 or 112 (3 credits)
 2. HIST 121 or 122 (3 credits)
 3. HIST 390W
 4. HIST 490W
 5. A minimum of 24 additional credit hours, six of which must be at the 400-level (excluding HIST 490W).
- The following conditions apply:
- a. Students must select a minimum of six credits of American history at the 300-level or higher.
 - b. Students must select a minimum of six credits of European history at the 300-level or higher.
 - c. Students must select a minimum of six credits of the history of Other Regions of the World (African, Asian, Latin American, Caribbean, Middle Eastern) at the 300-level or higher.
 - d. Students may count a maximum of three credits of HIST 276 towards the major and a maximum of three credits from all other 200-level history courses towards the major.
 - e. Students may count a maximum of six credits of HIST 295, 395, or 495 courses for the history major.

Minimum Grade Requirement for Graduation

History majors must achieve a minimum grade point average of 2.00 (4.00 maximum) in all history courses and no more than two grades below C- in 200-level and higher history courses may be counted towards the major.

The Minor in History (18 credits)

The minor program in history requires successful completion of the following (18 credits total):

1. HIST 111 or 112 (3 credits);
2. HIST 121 or 122 (3 credits);
3. A minimum of 12 additional history course credits at the 200, 300, or 400-level, provided that only three credits from the 200-level may be counted towards the history minor.

Graduate School Preparation

Students who intend to pursue graduate studies in history beyond the Bachelor of Arts degree in history, should meet regularly with their advisor to prepare an appropriate course of study. They should consider history courses that form a regional or thematic concentration, a study abroad program, and opportunities to present their research at conferences.

Public History Focus

The Bachelor of Arts degree in history can help prepare students for a career in public history, material culture, and museum studies. Students should meet regularly with their advisor to prepare an appropriate course of study. They should study abroad, take HIST 348 with field work in historical archeology, take HIST 435 course in public history, and the HIST 491 Practicum. The Practicum is a three-credit, semester-long internship working in an historical agency such as a museum, archive, or national historical park.

The Pre-Law Program

The Bachelor of Arts degree in history represents an excellent schedule of rigorous analytical courses recommended for both admission to and success in law school. History majors routinely score higher on the Law School Admissions Test (LSAT) than other majors in the arts, humanities, and social sciences. The American Bar Association (ABA) recommends courses to develop your analytical, research, and writing skills rather than courses with subject matter about the law specifically. Therefore, history majors seeking careers in law should take as many 400-level history seminars as possible because they emphasize skills over content. For additional information on law school preparation, see the Pre-Law Program located in this catalog.

The History-Business Program

The Bachelor of Arts degree in history may be taken with a minor program in business administration to attain a liberal arts education plus preparation for a career in business. The total program of study must satisfy all requirements for the Bachelor of Arts degree in history and the minor program in business administration. For details, see the minor in business administration under the Luter School of Business.

Advanced Placement

Students pursuing the Bachelor of Arts degree in history or the minor program in history may complete the 100

and 200-level requirements in the Department of History through coursework or alternatively through the successful completion of *Advanced Placement History* in high school and the earning of an acceptable score on the Advanced Placement (History) Examination of the College Entrance Examination Board.

Teacher Preparation in History/Social Science

Those students who wish to become teachers should apply to the five-year Masters of Arts in Teaching (M.A.T.) program. Application to the program must be made in spring of the junior year. See the *Graduate Catalog* for application instructions and requirements. Students will earn a B.A. in History after the first four years and then complete an additional year of study leading to an M.A.T. degree. The courses and degree requirements for the M.A.T. are found in the graduate catalog. Students accepted into this program must complete one of the following tracks with the bachelor's degree:

Elementary level (PK-6) TrackMajor courses required:

See major requirements for the B.A. in history.

Support courses required:

- ENGL 123, 223; 310 or 430, and 316;
- COMM 201 or THEA 230;
- CPSC 110;
- MATH 109, 125;
- HIST 111, 121, 122;
- POLS 101;
- GEOG 210;
- PSYC 208, 312;
- SOCL 314/314L;
- BIOL 107 or 108; CHEM 103; PHYS 141; PHYS 105L or BIOL 109L;
- NSCI 310.

*Support courses may change based on regulations from the Virginia Department of Education.

Graduate courses* required (senior year):

Select six credits from a), b), or c):

- a) MATH 570;
- b) PSYC/TCHG 544;
- c) MLAN 511, ENGL 530.

Secondary level (6-12) Track: History/Social Science EndorsementMajor courses required:

See major requirements for the B.A. in history, must present HIST 111-112 and 121-122.

Support courses required:

CPSC 110; COMM 201 or THEA 230; MATH 125; PSYC 207 or 208, 312; SOCL 314/314L; POLS 100 or 101; POLS 202; POLS 215; two upper level government electives; ECON 201 or 202; GEOG 210 and 211.

Graduate courses* required (senior year):

Select six credits: 500-level History courses; PSYC 535.

*See the graduate catalog for course descriptions.

THE CURRICULUM IN HISTORY

American History: HIST 304, 305, 324, 325, 327, 336, 341, 342, 346, 348, 349, 350, 351, 352, 354, 355, 356, 357, 358, 407, 435, 443, 446, 453, 480, 485, 489.

European History: HIST 301, 302, 303, 308, 313, 317, 320, 321, 326, 329, 338, 339, 379, 380, 415, 423, 432.

Other Regions of the World: HIST 312, 335, 343, 347, 360, 364, 367, 368, 370, 375, 376, 382, 389, 403, 405, 408, 413, 462, 466, 479.

Survey: HIST 111, 112, 121, 122.

Other courses: HIST 210, 211, 212, 213, 214, 276, 390W, 490W, 491.

HIST 111. The Ancient and Medieval World (3-3-0) AIGM

Fall, Spring, and Summer.

A survey of world history centering on institutions, values, and cultural forms from prehistoric time through the mid-16th century.

HIST 112. The Modern World (3-3-0) AIGM

Fall, Spring, and Summer.

A survey of world history centering on institutions, values, and cultural forms from the mid-16th century to the present.

HIST 121. Early America to the Civil War (3-3-0) AIDE

Fall, Spring, and Summer.

A survey of the historical development of the United States from early colonial times through the Civil War including social, cultural, economic, intellectual, and political movements through these years of earlier growth.

HIST 122. Modern America: Reconstruction to Global Power (3-3-0) AIWT

Fall, Spring, and Summer.

A survey of the historical development of the United States from the Civil War through the present time. The course emphasizes social, cultural, economic, intellectual, and political developments during the later years of America's growth.

HIST 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

HIST 210. History of Virginia (3-3-0) AIDE

Prerequisite: Freshman, sophomore, or junior standing.

Fall or Spring.

This course will provide an overview of Virginia history from the time of John Smith to Douglas Wilder. Virginia has experienced and shaped many of the events that comprises the story of America. The Old Dominion has also contributed to the establishment of many of our shared democratic institutions, values, and principles. Thus, the struggles and accomplishments of the Commonwealth's citizens – of all races and classes – tell us much about the evolution of American history and American principles.

HIST 211. Comic Books and American Society (3-3-0)

Prerequisite: Freshman, sophomore, or junior standing.

Fall or Spring.

This course will introduce students to a distinct and relatively recent artistic medium and explore the political, social, and cultural conditions that spawned and sustained it through and beyond the twentieth century. Our focus will be on the American comic book, and we will investigate its development in conjunction with American social and cultural history since the 1930s. Consequently, the course will engage a number of important themes including youth culture, censorship, education, nationalism, sexuality, religion, and popular entertainment. The course will rely on the methods of political, social, cultural, gender, and business history, and will also draw on other disciplines such as Literature, Communications, and Gender Studies. In addition to evaluating comic books as primary sources, students will also analyze memoirs and autobiographies, interviews, Congressional testimonies, newspaper articles, television programs, and films.

HIST 212. Viva Zapata? Revolution and the Peoples of Latin America (3-3-0) AIGM

Prerequisite: Freshman, sophomore, or junior standing.

Fall or Spring.

Students will explore the history and literature of 20th century Latin America through popular revolution. Well-known revolutionaries such as 'Che' Guevara, Emiliano Zapata, Rigoberta Menchú, and Subcomandante Marcos will be the principal characters explored. Students will read primary literature and secondary histories of revolution to understand and be able to demonstrate knowledge of outcomes and consequences of different groups. Issues of race, gender, political diversity, class, and difference in various regions of Latin America will be considered.

HIST 213. Greek and Roman Warfare (3-3-0) AIWT

Prerequisite: Freshman, sophomore, or junior standing.

Fall or Spring.

This course allows students to explore the development of the Western Tradition for Area of Inquiry credit, and gives them an introduction to the close reading, source analysis, and writing skills required for upper-level coursework as His-

tory majors or minors. Students will explore warfare's social impact on the founding cultures of Western Civilization, and examine specific conflicts that influenced the rise and fall of Athens, Sparta, Macedonia, and the Roman Republic. The course introduces students to a wide range of ancient sources, helping them to understand "how we know what we know" about war in the ancient world.

HIST 214. The Black Death (3-3-0) AIWT

Prerequisite: Freshman, sophomore or junior standing.

Fall or Spring.

The Black Death epidemic of 1347-50 led to a transformation of medieval Europe. Up to half the population died. The European economy, labor market, social class system, and religious ideals all rapidly altered. In this course students will read secondary sources that analyze the disease and its effects, and also do their own analysis of eyewitness accounts, economic data, and fourteenth-century responses to the plague. Thus, students will engage with transformation and development of Western European thought and the structures of Western society at the end of the Middle Ages and beginning of the Early Modern Period.

HIST 276. The Study of History Abroad (3-3-0)

Summer.

This course provides an in-depth study-abroad experience designed for both history majors and non-history majors. Traveling to such regions as Asia, Latin America, and Europe (including France, Germany and England), students will study different cultures and people by visiting important cities, key historical sites and major museums. Required readings, lectures, and writing assignments emphasize historical context in order to provide a richer understanding of the area(s) under study. Course trips will include such topics as "Egypt in the United Kingdom" and "America and Postwar Europe." As areas of study vary on a yearly basis, this course may be repeated once for credit, but presented only once for the history major or minor.

HIST 295. Special Topics (3-3-0)

Fall, Spring, and Summer.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

HIST 301. The Ancient Greeks (3-3-0)

Prerequisite: HIST 111 or CLST 101 or CLST 211.

Fall or Spring.

A history of the Ancient Greeks from the Mycenaean period through the death of Alexander the Great and the beginning of the Hellenistic age.

HIST 302. The Roman Republic (3-3-0)

Prerequisite: HIST 111 or CLST 101 or CLST 212.

Fall or Spring.

History 302 examines the political and social history of the ancient Roman Republic (c. 500-31 BC). Major

themes include the structures and evolution of Republican government; the city's expansion through wars with Carthage and the Hellenistic kingdoms; and the social, economic, and political causes of the Republic's disintegration in the first century BC, ending with the dictatorship of Caesar and the principate of Augustus.

HIST 303. The Roman Empire (3-3-0)

Prerequisite: HIST 111 or CLST 101 or CLST 212.

Fall or Spring.

This course examines the political and social history of the Roman Empire (c 31BC-476 AD), starting with the fall of the Republic and the establishment of dynastic monarchy at the head of the Roman state. Major themes will include the structure and mechanics of Roman rule over a Mediterranean empire; the spread of citizenship and interactions between the provinces and the capital; and the causes of eventual fragmentation and decline.

HIST 304. U.S. Women's History (3-3-0)

Prerequisite: ENGL 223.

Fall or Spring.

This course examines the history of women in the United States from the colonial period to the present. By situating our study within broader social, cultural, and political developments, we will explore the ways in which race, class, ethnicity, sexuality, and geography have altered and informed American women's experiences. Key themes will include work, family life, war, politics, and social reform. Through lectures, discussions, written assignments, secondary readings, and primary sources, we will reconstruct the varied and often contradictory meanings of American women's lives.

HIST 305. History of Gender and Sexuality in the United States (3-3-0)

Prerequisite: ENGL 223.

Fall or Spring.

This course examines the history of gender and sexuality in the United States from the colonial period to the present. We will pay particular attention to how American understandings of gender and sexuality have been created and maintained through a variety of institutions, such as religion, law, science, medicine, language, and popular culture. Key themes include: family and community life; race, class, and citizenship; the role of the state; the medicalization of the body; the politics of reproduction; and activist responses.

HIST 308. Tudor and Stuart Britain (3-3-0)

Fall or Spring.

This course examines the history of Great Britain during the reigns of the Tudor and Stuart dynasties. Between 1450 and 1700, Britons saw civil war, famine, and five changes of the national religion. During these 250 years they also witnessed Shakespeare, the Armada, and the discovery of America. This course will explore themes of social upheaval,

political fidelity, Reformation, and revolution in all of the parts of Great Britain: Scotland, England, Ireland and Wales.

HIST 312. Ancient Egypt (3-3-0)

Prerequisite: Sophomore standing.

Fall or Spring.

A cultural, political, and social history of ancient Egypt from the early dynastic period of the first pharaohs to the disintegration of an independent Egyptian state. The course also covers the history of modern Egyptology from Napoleon's expedition to contemporary discoveries.

HIST 313. British Empires, 1500-Present (3-3-0)

Prerequisite: ENGL 223.

Fall or Spring.

This course explores the politics, culture, and ideas of British expansion and nationalism from 1500 to the present. Students will learn about British imperialism from the earliest 'plantations' in Ireland, to the immense empires built by Britain in Africa, India, and the Middle East. Over the semester, we will examine an array of primary sources, including Parliamentary speeches, political cartoons, diplomatic dispatches, advertisements, and private journals. These documents, images, and manuscripts will help us to better understand Britain's desire for and justification of expansion, as well as the many important movements of resistance and rebellion that were undertaken by colonial subjects.

HIST 317. Rebuilding Democracy in Postwar Europe (3-3-0)

Prerequisite: Sophomore standing.

Fall or Spring.

This course will examine the reconstruction of democracy in Europe since the Second World War. It will address the political, economic, social, and cultural developments that have shaken old democracies and facilitated new ones. In particular, the course will concentrate how democracies and their citizens have responded to a variety of challenges, including war, occupation, decolonization, immigration, terrorism, civic protests, and the emergence of supranational institutions. Students will engage key themes through lecture, film, classroom discussion, and the use of primary and secondary sources.

HIST 320. Imperial Russian History (3-3-0)

Prerequisite: Sophomore standing.

Fall or Spring.

This course examines Russia's political, social, cultural, and economic development from the time of Peter the Great (1682) to the collapse of the Romanov Dynasty in 1917. Topics covered include Catherine the Great, the Napoleonic Wars, the Russian revolutionary intelligentsia, the Great Reforms, Russia's literary and artistic greats (Gogol, Dostoyevsky, Tolstoy, Chekhov, Chagall, Kandinsky, and others), Russian Marxism, and Rasputin.

HIST 321. Soviet History and Beyond (3-3-0)

Prerequisite: Sophomore standing.

Fall or Spring.

This course covers the history of the Soviet Union from the Russian Revolution in 1917 through the collapse of the Soviet Union in 1991 to the present day in the post-Soviet Republics. The course includes discussion of topics including Marxism, Leninism, Stalinism, socialist culture, the Cold War, reasons for the Soviet Union's collapse, and the transition to post-Communist life. Students read from a variety of sources and view classic Soviet films.

HIST 324. America and the Second World War (3-3-0) [Formerly HIST 340, not equivalent]

Prerequisite: ENGL 223.

Fall or Spring.

A comprehensive examination of the causes, conduct, and consequences of the Second World War with an emphasis on the American experience. The course considers the war from a military, diplomatic, and political perspective, but also for the war's impact on American social groups, cultural life, and collective memory.

HIST 325. Cold War Politics and Culture (3-3-0)

Prerequisite: Sophomore standing.

Fall or Spring.

This course examines the Cold War (1945-1991) from the perspectives of both Soviet and US politics and culture. Students will consider the era's major political and military events and build on the chronological narrative with study of the Cold War's cultural and intellectual impact on the combatants.

HIST 326. The Nazi State and the Holocaust (3-3-0)

Prerequisite: Sophomore standing.

Fall or Spring.

This course provides an in-depth examination of the history and structure of the Nazi Party, including Hitler himself, the SA, SS, and other party groups. Students will also study the Holocaust and the trials of the major war criminals at Nuremberg, the verdicts, and the precedents established by the trials.

HIST 327. History on Film (3-3-0)

Prerequisite: Sophomore standing.

Fall or Spring.

An in depth analysis of the relationship between film and historical record. In conjunction with lectures and class discussions, students view and analyze classic popular fictional films as well as political, documentary, and propaganda films. The course focuses on understanding the sometimes blurred lines between history and fiction or "docu-drama" written for political or social purposes. Films screened vary from term to term, and there are sometimes specific themes in a particular term. Typical films might include *The Grand Illusion*; *The Seventh Seal*; *The Four Feathers*; *Gandhi*; *JFK*;

Inherit the Wind; Schindler's List; The Crucible; The Fall of Berlin. This course also counts in the film studies minor.

HIST 329. Modern France (3-3-0)

Prerequisite: Sophomore standing.

Fall or Spring.

This course examines the political, economic, social, and cultural history of France since 1900. We begin with the origins of the Third Republic, the Dreyfus Affair, and the Great War. Following the interwar era, we turn our attention to the trauma of war, defeat, and occupation by the Germans in 1940. The second half of the course focuses on the cultural and social transformation of France that has intensified since the Second World War. Among those developments requiring special emphasis are Americanization, the rise of a consumer culture, decolonization, the student protests of 1968, and Franco-German cooperation. Our analysis concludes with an evaluation of the issues with which France is now grappling: immigration, political extremism, and the European Union.

HIST 335. Caribbean History and Culture: From Contact to Age of Revolution (3-3-0)

Prerequisite: ENGL 223.

Fall or Spring.

This course is designed to give students a broad understanding of the history and culture of the peoples of the Caribbean, from the pre-Columbian Arawaks and Caribs through the infusion of European and African culture to the Age of Revolution. Students will explore the history of rivalries between empires, slavery and race relations, and the struggle for emancipation and self-determination. Examining Atlantic World Themes in the Caribbean basin, the course will emphasize the experiences of a variety of individuals including Amerindians, pirates and privateers, indentured servants, enslaved Africans, maroons, overseers and plantation owners, mariners, loyalists, and revolutionaries.

HIST 336. American Foreign Relations (3-3-0)

Prerequisite: HIST 112 or 121 or 122.

Fall or Spring.

An examination of American foreign relations with the rest of the world from the 1880s to the present. The course focuses on elite policy making, international negotiations, and projections of national power abroad. Special attention is paid to the consequences of decisions on the global and domestic scenes.

HIST 338. History of Modern Germany, 1945 to the Present (3-3-0)

Prerequisite: Sophomore standing.

Fall or Spring.

This course examines the political, social, and cultural history of Germany since World War II. Among the themes to be addressed during the semester are: the occupation of Germany by the Allies; competing trends of democratization and Stalinization in the divided states; Americanization; dealing

with the Nazi past; the road to reunification; and Germany's role in the European Union.

HIST 339. History of Propaganda: A Film Study Course (3-3-0) [formerly HIST 429, not equivalent]

Prerequisite: Sophomore standing.

Fall or Spring.

A historical survey on film and the other visual arts of military, political, religious, and social propaganda and public enlightenment. After a brief survey of propaganda in early times, the course covers the period from the French Revolution to the present day. The course emphasis is on Europe with some attention given to the Western Hemisphere, Africa, and Asia. Students will study propaganda techniques in various countries and analyze and critique propaganda materials and films screened in class or viewed outside of class. One class is conducted at the Virginia War Museum in Newport News with a lecture on the museum's extensive propaganda poster collection. This course also counts in the film studies minor.

HIST 341. The Long Civil Rights Movement (3-3-0)

Prerequisite: ENGL 223.

Fall or Spring.

This course takes as its focus what historians have termed "The Long Civil Rights Movement," or the historical struggle for black freedom that very much continues today. We will take a long view of the civil rights movement by extending it from the Reconstruction era until the present day. In doing so, the course will emphasize the struggle for black freedom in Hampton Roads and will situate that story within the broader national narrative.

HIST 342. American Environmental History (3-3-0)

Prerequisite: ENGL 223.

Fall or Spring.

This course explores the dialectic relationship between human and nonhuman worlds from pre-Columbian times to the present, illuminating how these ever changing interactions shaped American History. We will investigate geological processes, American Indian cultures, disease, unequal trading relations, capitalist markets, emerging technologies, war, pollution, the rise of ecological knowledge, environmental laws, and most importantly, ideas about nature. No stone will be left unturned as we look beyond human society to better understand our shared past. At the end of the course, students will recognize how all of history is environmental history, for nature plays a role in all past actions.

HIST 343. Global Environmental History (3-3-0)

Prerequisite: ENGL 223.

Fall or Spring.

This interdisciplinary, environmental history course explores changes in human societies over time, paying particular attention to the role of nonhumans in shaping these changes and investigating how shifting human societies then worked

back upon the environment. The goal is to reveal how the mutually constitutive and evolving relationship between humans and nature shaped the global past. Of course, to fully understand these interactions, we must supplement our investigations of traditional written sources with scientific knowledge regarding nonhuman behavior. We will do so while exploring the major events, forces, and ideas that define human history.

HIST 346. History of the American Frontier (3-3-0)

Prerequisite: ENGL 223.

Fall or Spring.

This class seeks to understand the significance of the *frontier* to the United States. No region has played a more vital role in the country's development and no concept has provided a stronger ideological motivation for its incessant expansion. The course will explore these dual roles by introducing students to different analytical approaches for understanding western expansion and its effect on the American state, its peoples, and its physical environment. Class readings, lectures, and discussions will then progress temporally and geographically across western geographies to give students both a sense of the common themes and divergent paths that mark the western past.

HIST 347. Atlantic World Encounters 1400-1700 (3-3-0)

Prerequisite: ENGL 223.

Fall or Spring.

An analysis of the nature and process of European expansion from the 15th century to 1715. Consequences of the "Colombian Exchange" will provide focus for the course.

HIST 348. Introduction to Historical Archaeology (3-3-0)

Prerequisite: ENGL 223.

Fall or Spring.

An introduction to the principles and practices of historical archaeology using sites dating from 17th- and 18th-century Virginia. This course is a combination of history and archaeology.

HIST 349. The Rise and Fall of American Slavery (3-3-0) AIWT

Prerequisite: ENGL 223.

Fall or Spring.

This class examines the historical roots, practices, and legacies of racial bondage on the North American continent. Students consider the complex reasons for slavery's beginning and look at how it eventually flourished in late-colonial America and the United States. They focus, moreover, on how Africans and African Americans survived, endured, and resisted the institution. The course also explores the rise of the abolitionist movement, which culminated with the Civil War and emancipation.

HIST 350. American Indians (3-3-0)

Prerequisite: HIST 121.

Fall or Spring.

An examination of American Indians and their contacts with colonial European and post-revolutionary U.S. governments from the 16th century to the present. Included will be accounts of the origins and cultural developments of American Indians.

HIST 351. American Military History (3-3-0)

Prerequisite: HIST 112 or 121 or 122 or MLSC 201.

Fall or Spring.

An introduction to American military history from the colonial era to the present. The course examines wartime strategy and tactics, technological advances, and institutional relationships between military and civilian control. Students will consider the American military during peacetime, the impact of war on the domestic home front, the experiences of the rank and file soldiers, women, and racial minorities, and the changing representation of the military in American popular culture.

HIST 352. Colonial North America to 1700 (3-3-0)

Prerequisite: HIST 121.

Fall or Spring.

An examination of European intrusion into North America during the 16th and 17th centuries. Interactions among Africans, Europeans, and American Indians in Dutch, English, French, and Spanish outposts will be highlighted.

HIST 354. The American Revolution and Early Republic, 1775-1820 (3-3-0)

Prerequisite: ENGL 223.

Fall or Spring.

Survey of the foundation of the United States from the American Revolution and United States Constitution through 1820.

HIST 355. Civil War and Reconstruction (3-3-0)

Prerequisite: ENGL 223 or MLSC 201.

Fall or Spring.

An intensive study of slavery and its expansion, the secession crisis, Civil War military operations and Reconstruction.

HIST 356. The United States in the Gilded Age and the Progressive Era, 1877-1919 (3-3-0)

Prerequisite: sophomore standing.

Fall or Spring.

An analysis of the major political, economic, social, and cultural developments from 1877 to 1919 and the role of the United States in world affairs.

HIST 357. Twentieth Century America, 1920-1960 (3-3-0)

Prerequisite: sophomore standing.

Fall or Spring.

An analysis of the major political, economic, social, and cultural developments from 1920 to 1960 and the role of the United States in world affairs.

HIST 358. Twentieth Century America, 1961-Present (3-3-0)

Prerequisite: sophomore standing.

Fall or Spring.

An analysis of the major political, economic, social, and cultural developments from 1961 to the present and the role of the United States in world affairs.

HIST 360. History of Traditional East Asia (3-3-0)

Prerequisite: ENGL 223.

Fall or Spring.

This course offers an overview of traditional East Asia from ancient times to the mid-nineteenth century, focusing on the rise of Chinese and Japanese civilizations. It examines the formation and development of Chinese political, social, and cultural tradition, the development of Japanese society and culture, the cultural exchanges among East Asian countries, the interaction between East Asia and Western nations in early modern times, and the relevance of East Asian tradition to the modern world.

HIST 364. History of Brazil (3-3-0)

Prerequisite: ENGL 223.

Fall or Spring.

A study of the historical, cultural, and political development of Brazil from its earliest beginning to the present.

HIST 367. Modern Chinese History (3-3-0)

Prerequisite: ENGL 223.

Fall or Spring.

This course offers an overview of modern China from 1600 to the present, with emphasis on the period since the mid-nineteenth century. Through examining the domestic developments in China as well as the interaction between China and the world, the course aims to highlight both changes and continuity in China's political, economic, and social-cultural life.

HIST 368. Modern Japanese History (3-3-0)

Prerequisite: ENGL 223.

Fall or Spring.

This course offers an overview of modern Japanese history from 1600 to the present, with emphasis on the social, cultural, economic, and political developments in Japan, as well as the interaction between Japan and the world since the mid-nineteenth century. The course aims to explain the rise of Japan as a military power in Asia prior to the Second World War and as an economic power in the world since the war.

HIST 375. History of the Modern Middle East (3-3-0)

Prerequisite: sophomore standing.

Fall or Spring.

Designed to introduce students to the last two centuries of Middle Eastern history, the course focuses on developments in the post-World War I period, including the growth of Arab nationalism and the emergence of the Israeli state.

It examines social and political forces, such as Islamic Fundamentalism, which are currently shaping developments in the region.

HIST 376. Modern North Africa: History, Society, and Culture since 1830 (3-3-0)

Prerequisite: sophomore standing.

Fall or Spring.

This course examines the incorporation of the Maghrib into the modern world since the arrival of French colonialism in 1830. Through primary and secondary sources, literature and movies, students explore topics as diverse as the capitalist restructuring of Morocco's economy, cross-Mediterranean migration patterns, the fate of the native Jewish communities, French colonial culture, the role of women in the Algerian revolution, oil and political theory of Qaddafi's Libya, political Islamism in Tunisia, and the impact of the "Arab Spring."

HIST 379. Early Middle Ages (3-3-0)

Prerequisite: ENGL 223 and sophomore standing.

Fall or Spring.

This course covers the political, religious, social and economic transformation of Europe and the Mediterranean World from the decline of the Roman Empire to the "Viking Age" (c. 300 - c.1000 AD). Study will begin with the fall of the Roman Empire, and will focus on the Byzantine Empire, the Islamic Caliphate, the Frankish kingdoms of the Merovingians and Carolingians, and the North Sea world of the Franks, Anglo-Saxons, and Vikings.

HIST 380. Later Middle Ages (3-3-0)

Prerequisite: ENGL 223 and sophomore standing.

Fall or Spring.

This course will study the history of Medieval Europe from 1000 - 1450AD. Particular attention will be paid to the Crusades, European monarchies, the position of the Catholic Church, the social and economic transformation of Europe, The Black Death, and the Hundred Years War. Students will be able to pick a topic for focused research from any area within the period. No prior study of the Early Middle Ages is required.

HIST 382. Disease and the Rise of Modern Medicine (3-3-0)

Prerequisite: sophomore standing.

Fall or Spring.

From the humoral theory of Hippocrates to contemporary cancer research, doctors and other healers have grappled with the question of how to fight disease from a variety of perspectives. This course explores history of medicine, focusing on how historical understandings of disease and the production of medical knowledge both produce and reinforce social and cultural values. Topics and themes will include the Black Plague and other epidemic diseases; herbes, drugs, leeches, and the rise of therapeutic medicine; "madness" and the history of psychiatry; race, gender, and healthcare;

science and professionalization; hygiene and public health; the doctor-patient relationship and medical ethics.

HIST 389. Comparative Slavery (3-3-0)

Prerequisite: ENGL 223.

Fall or Spring.

This course will take a comparative approach to understand the development, persistence, and decline of the institution of slavery across human societies. We will consider human bondage from the classical Mediterranean world through the end of the Atlantic slave trade and the abolition of African slavery in the Western Hemisphere at the end of the nineteenth century. Students will explore the lives and experiences of individuals through primary source readings and discussion. We will study the practices, labor, cultures, and politics of slavery, as well as slaves' own resistance to the institution and abolition.

HIST 390. WI: Historical Methods and Historiography (3-3-0)

Prerequisite: ENGL 223 with a C- or higher.

Fall and Spring.

A writing intensive course designed to introduce students to the history of the discipline, to historical writing, and to career development. This course partially satisfies the writing intensive requirement.

HIST 395. Special Topics (3-3-0)

Prerequisite: As announced.

Fall, Spring or Summer.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. A maximum of six hours in HIST 395/495 may be offered toward completion of major requirements.

HIST 403. Ancient Persia (3-3-0)

Prerequisite: HIST 301 or 390W or CLST 211.

Fall or Spring.

This course will focus on ancient Persia and the creation of the first multi-ethnic world empire (550-330 BC). Charismatic Persian kings like Cyrus and Darius I facilitated centuries of cultural, economic, and religious exchange, bridging divides between Mediterranean, Near Eastern, and Asian civilizations, and laying the ideological foundations for later historical empires. We will examine the goals and outcomes of Persian imperialism, and will consider the empire's relationship with Greece and the reasons for its ultimate fall to Alexander the Great.

HIST 405. Law and Justice in Chinese History (3-3-0)

Prerequisite: HIST 112 and junior standing.

Fall or Spring.

This course provides a historical survey of Chinese law and judicial system. It focuses on the function and evolution of legal codes and judicial system in China's long history, examines the transition from traditional legal-judicial practices to their modern counterparts in the twentieth century, and

analyzes the multi-dimensional interactions among official ideology, political institutions, judicial practices, legal culture, and social-economic life.

HIST 407. American Energy and Power (3-3-0)

Prerequisite: HIST 390W.

Fall or Spring.

America today is a high-energy society, consuming more energy per capita than any other nation in the world. Throughout its history, the nation has also wielded vast economic, political, and military power, often shaping world events and privileging certain domestic groups at the expense of others. Drawing from political, social, technological, and environmental history, this course examines the historical relationship between America's capacity to produce and consume energy and its ability to exercise power to shape the nation and world.

HIST 408. The Crusades (3-3-0)

Prerequisite: HIST 390W.

Fall or Spring.

This course covers the history of the early Crusades from 1095 - 1204 AD. The focus is on reading eyewitness accounts of the Crusades from both the European and Middle Eastern perspective. Students will examine the motivations of the Crusaders, their relationship with Christians and Muslims in the Middle East, the reaction to the arrival of the Crusaders, and the political and cultural history of Crusader States. At the end of the semester students will have the opportunity to research a topic of their choosing related to the Crusades.

HIST 413. Revolutions of the Atlantic World, 1765 - 1850 (3-3-0)

Prerequisite: HIST 390W.

Fall or Spring.

This course will examine the unrest that spread across the Atlantic World from the mid-18th to mid-19th century, a period some historians have dubbed the "Age of Revolution." Through primary and secondary sources, students will explore the origins, aspirations, experiences, and outcomes for individuals and communities in America, France, Saint-Dominique (Haiti), and Latin America. Taking a comparative approach, the course will explore connections between rebellions and revolutions, and ask questions about issues of human rights, social class, race, and gender.

HIST 415. The Byzantine Empire (3-3-0)

Prerequisite: HIST 390W or junior standing.

Fall or Spring.

A topical history of the later Roman Empire from the transfer of the imperial capital to Constantinople in the fourth century A.D. to the fall of the city in 1453. Subject matter will include the imperial constitution and the administration of the state; the cult of the emperor; religion and the church; the army; city and country life; education and learning; literature and art; and Byzantium's neighbors. This course also counts in the medieval and renaissance studies minor.

HIST 423. Communism's Collapse (3-3-0)

Prerequisite: HIST 390W or junior standing.

Fall or Spring.

A seminar on the history of the Soviet Union, the East European states, and China from the 1970s to the present with analysis focused on the factors that led to the collapse and/or transformation of the political systems in those regions. Students will conduct significant primary source research on Russia, Eastern Europe, Eurasia, and China in the late twentieth century and report on their research to the class.

HIST 432. World War II in European Memory (3-3-0)

Prerequisites: HIST 390W.

Fall or Spring.

The Second World War in Europe constituted six years of battle, deprivation, suffering, and hardship for the people of the continent. There was, however, no single wartime experience. The French, Germans, Italians, British, Poles, Czechs, and Russians all have their own memories of the conflict. This course will examine how Europeans have remembered their World War II experiences since the war ended. Specifically, we will use a variety of primary and secondary sources to analyze the influences the war has had on memory and national identity in several European countries.

HIST 435. Public History (3-3-0)

Prerequisite: HIST 121 or 122, and 390W.

Fall or Spring.

Public historians apply historical knowledge and methods in public and private settings outside of academia. This course will explore public history and its application in areas as diverse as museum studies and historical sites interpretation, local and community history (including historical societies), archival collection (including electronic data-basing), historic preservation, and oral history. Students will examine both practical and theoretical issues of public history. This course will prepare students for the increasing employment opportunities available in the public and private sectors.

HIST 443. 20th Century American Popular Culture (3-3-0)

Prerequisite: HIST 390W.

Fall or Spring.

This course will examine American popular culture (such as sports, comic books and motion pictures) as it evolved from the technological innovations of the 1890s to the modern Internet era. Students will explore both how popular culture was shaped by the historical forces of the twentieth century's various eras and how the ideas, ideology, and other aspects of popular culture helped influence those historical forces and attitudes in turn.

HIST 446. The Rise of Jacksonian America (3-3-0)

Prerequisite: HIST 390W.

Fall or Spring.

This course examines the dramatic political, economic,

and social changes that occurred during the age of Andrew Jackson (c. 1820-1850). Students will read extensively in primary and secondary sources and be expected to produce a significant research project.

HIST 453. Empires of North America, 1700-1775 (3-3-0)

Prerequisite: HIST 121 and 390W.

Fall or Spring.

An examination of the interactions among Africans, Europeans, and American Indians in English, French, and Spanish North American settlements and provinces in the 18th century, concluding with the United States independence movement.

HIST 462. The Mexican Revolution (3-3-0)

Prerequisite: HIST 390W.

Fall or Spring.

This seminar will examine the long-term and short-term causes of the Mexican Revolution of 1910 with the aim of understanding its consequences for modern Mexico. In addition to understanding the narrative of Mexican history after 1857, students will explore the concept of revolution as a transformative experience.

HIST 466. Society and Culture in Chinese History (3-3-0)

Prerequisite: HIST 112 and junior standing.

Fall or Spring.

Focusing on social and cultural aspects of Chinese history, this thematic course seeks to deepen the understanding of Chinese history by examining such issues as environment, economic patterns, agricultural technology, native medicine, family system, women's status, secret societies, philosophies, religions, Western influences, and new social classes.

HIST 479. De-colonizing the Middle East: Theory and Methods (3-3-0)

Prerequisite: HIST 390W.

Fall or Spring.

This seminar will address various theoretical and methodological approaches to the study of the Modern Middle East. We will pay particular attention to how theoretical innovations such as post-Orientalism, World Systems theory, postcolonial theory, and subaltern studies have transformed the nature of historical debates on the region by exploring themes such as the origins of capitalism, tradition and modernity, gender and sexuality, colonialism and modern power, nationalism, and the nature of the modern state.

HIST 480. The United States as a World Power (3-3-0)

Prerequisite: HIST 390W.

Fall or Spring.

This readings and research seminar examines American foreign relations during the 20th century – and power

specifically – from many different perspectives (political, cultural, economic, military). The specific topic of the seminar will be announced in advance. In general, it considers the changing reasons for American involvement in world affairs, the diverse ways in which the nation asserts its power abroad, and the consequences for such activities. Attention is also paid to the variety of ways in which foreign affairs affect the domestic scene, and vice versa. This course contains substantial reading and writing components.

HIST 485. The Great Depression (3-3-0)

Prerequisite: HIST 390W.

Fall or Spring.

This course is intended to give students a broad-ranging understanding of the era of the Great Depression (1929-1941). While the class will include political and economic issues and causes, it will also examine much of the cultural and social development in the period, as well as examine the Depression as a worldwide calamity.

HIST 489. Women and Social Movements in U.S. History (3-3-0)

Prerequisite: HIST 390W.

Fall or Spring.

This seminar will examine female activism in the United States during the nineteenth and twentieth centuries. We will pay particular attention to the participation and leadership of women in various social movements, such as abolition, woman suffrage, progressive reform, civil rights, and organized feminism. Drawing on a blend of historical scholarship and first-person narratives, we will uncover women's contributions to reform efforts of the past, trace their connections to each other, and assess their historical legacies.

HIST 490. WI: Senior Seminar (3-3-0)

Prerequisite: ENGL 223 with a C- or higher; HIST 390W.

Fall and Spring.

Required of all history majors. A seminar dealing with selected problems in history and an examination of historiography, methodology, and philosophy of history. The focus, form, and content of each seminar will be determined by the instructor. The nature of the seminar will be announced well in advance after consideration of student interest and staff availability. This course partially satisfies the writing intensive requirement.

HIST 491. Practicum (3-3-0)

Prerequisite: Junior standing and consent of the department chair.

Spring.

An internship with a regional, federal, state, local, or private historical agency in which the student achieves applied experience in the field of history. The student agrees to work 120 hours during the course of the semester under the direction of an agency supervisor. The student's duties will

be defined by the agency supervisor, in agreement with the student and the course instructor. Up to three credit hours earned in this course may be applied toward elective credit within the history major.

HIST 495. Special Topics (3-3-0)

Prerequisite: As announced.

Fall, Spring or Summer.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. A maximum of six hours in HIST 395 and/or 495 may be offered toward completion of major requirements.

HIST 499. Independent Study (credits vary 1-3)

Fall, Spring or Summer.

An opportunity for independent research done in consultation with a member of the faculty from the History Department.

HONORS PROGRAM

Dr. Jay S. Paul, Director

Tribble Library 240

(757) 594-7072

jpaul@cnu.edu

Faculty

Distinguished Professor: Padilla, Spiller

Professor: Connell, Doughty, Guajardo, Harter, Heddle, Kaufer-Busch, Lewis, Michaela Meyer, Mulligan, Paul, John Thompson, Underwood, Winder, Xu

Associate Professor: Adamitis, Barnello, Camobreco, Cusher, Dow, Falk, Gerousis, Gillman, Godwin, Hart, Jaremski, Jelinek, Klein, Marinova, Mazzocca, Meighan, Morán, Mulryan, Nichols, Rizova, Siochi, Steiner, Taylor, Timani, Veksler, Waldron, Webb, White

Assistant Professor: Finn, Hoag, Kirkpatrick, Kundmueller, Lane, Larson, Lynerd, Samuels, Sery, Ward-Griffin

Senior Lecturer: Connable, Hutchinson

Lecturer: Burke, Loy, Motta, Richardson, Shelton

Emeritus: Baughman, Hillow

Mission Statement

The Honors Program invites high-ability students to fashion unique academic programs to prepare for post-graduate success. Students admitted to the program upon matriculation receive scholarships renewable annually as long as they enroll in Honors courses as required and adhere to the standards for student progress below.

The Honors Program lays the groundwork for excellence through a series of highly interactive interdisciplinary seminars. This intensive, integrative approach to the liberal arts allows students—working with Honors advisors in their major disciplines—the opportunity to personalize academic plans that help fulfill personal and professional aspirations. Honors Inquiries encourage students to incorporate individualized initiatives into their curricula: independent study and research to hone methods of inquiry; volunteer or compensated experience of civic and social significance; and the culturally enriching experience of studying abroad and reflecting on global issues. Honors students may also enroll in some upper-level courses earlier than usual, or fashion interdisciplinary clusters of courses to fulfill a specialized interest. In short, the Honors Program helps students to become informed, responsible citizens while encouraging them to prepare purposefully for outstanding opportunities, such as prestigious scholarships, and to proceed into graduate studies and/or fulfilling careers. The director, advised by the Honors faculty, administers the Honors Program as a University program.

Why Be an Honors Student?

- Honors faculty design special, interdisciplinary seminars and set expectations to encourage rigorous, creative thought.
- Honors students receive renewable residential scholarships of up to \$10,000 (minimum of 3.00 semester and 3.30 cumulative GPA required) for up to four years (eight semesters).
- Honors scholarship winners are entitled to a one time study abroad scholarship of \$2000.
- Honors students receive priority registration, thus making schedule planning convenient and purposeful.
- Honors students receive intensive academic advising and mentoring for internships, prestigious scholarships, and graduate studies.
- During their first year, Honors students live together in Learning Communities tied to their HONR 100 seminar, a community of students serious about education and respectful of one another's aspirations.
- The Honors Program provides stipends to support special academic experiences (see below).
- The Honors Program offers credit-bearing experiences for international study.
- Completion of the Honors Program is acknowledged on all transcripts.

Entering the Program

Applications to the Honors Program will be reviewed for strength of high school curriculum, including core curriculum courses, as well as a high school grade-point-average of at least 3.75 (on a 4.00 scale), and a minimum total score of 1310 (1250 if taken before March 2016) on the SATs or a composite score of 28 on the ACT (at least 25 on the ACT verbal). First-year students may also be admitted by applying no later than Thanksgiving; a minimum grade point average of 3.50 is required for consideration. Students with a minimum grade point average of 3.50 transferring to CNU from an Honors Program at another university or college are guaranteed admission to the Program. Transfer students interested in the Honors Program should contact Dr. Paul after formal admission to CNU and prior to their first term registration.

Program Requirements

The academic program as designed by the student and the Honors advisor to include:

1. HONR 100 (required first semester);
2. Liberal learning curriculum requirements are:
 - a. Second language literacy, 3 credits;
 - b. Mathematical literacy, 3 credits;
 - c. Economic Modeling and Analysis, 3 credits;
 - d. One AINW course and accompanying lab, 4-5 credits;
 - e. One AIDE Course, 3 credits.
3. Select three courses (9 credits). Seminars available according to five groupings listed below. Each unique course has its own number (e.g., 311, 312, 313, etc.) More than one seminar may be chosen from a series. All seminar descriptions appear at the Honors website.
 - a. HONR 300 series *Natural World*
 - b. HONR 310 and 360 series *Global & Multicultural*
 - c. HONR 320 & 370 series *Western Traditions*
 - d. HONR 340 series *Creative Expressions*
 - e. HONR 350 series *Logical Reasoning*
4. Select two Honors Inquiry classes:
 - a. HONR 381* *Major-Related Independent Activity*, 0-3 credits
 - b. HONR 382* *Civic Engagement*, 0-3 credits
 - c. HONR 383 *Study Abroad*, 0 credits
5. HONR 490W *Problems in the Modern World*;
6. Two semesters of HONR 010;
7. Two semesters of HONR 020;
8. Two semesters of HONR 030;
9. Two semesters of HONR 040;
10. HONR 484 *Portfolio*;
11. One additional WI course;
12. A minimum cumulative 3.30 GPA at graduation;
13. Completion of a major and/or concentration;
14. A minimum of 120 credits.

*may be repeated for credit twice

The Pass/Fail Option may not be applied to Honors 335 or Honors Program Requirements except 010, 020, 030, and 040.

Student Progress

Honors student transcripts will be reviewed twice yearly—before the start of the second semester, and by the end May—to ensure that students are on track to complete Honors requirements. When an Honors Program student drops below the minimum 3.30 GPA, a letter of warning will be sent. Unless there are extenuating circumstances, the third successive semester below a 3.30 GPA will result in removal from the program.

Enrollment in Honors Courses

If an Honors student fails to maintain a seminar schedule that predicts program completion, he/she is subject to removal from the program. Students will normally enroll and complete an HONR course each of the first four semesters. If removed, he/she must adjust his/her registration accordingly (see following section). Withdrawing from an Honors seminar or inquiry course constitutes withdrawal from the Honors Program unless the director approves a waiver.

When a Student Leaves, or Is Removed from, the Honors Program

All students leaving the Honors Program prior to completion are advised to review liberal learning core curriculum requirements in the Catalog.

After 1 semester: The liberal learning core requirement will be reinstated, except for any requirements already fulfilled by AP, IB, dual enrollment, transfer or CNU courses.

After 2nd or 3rd semester: The liberal learning core requirement will be reinstated, except for ENGL 123, the area of inquiry corresponding to the HONR seminar completed, and any requirements already fulfilled.

After 4th, 5th, 6th, 7th or 8th semester: If the student has successfully completed HONR 100, three HONR seminars, and HONR 490, the LLC is waived, except for Civic and Democratic Engagement, Mathematics Literacy, Second Language Literacy, Economic Modeling and Analysis, and one Investigating the Natural World course with the accompanying lab.

The Annual Celebration

Each spring semester, the Honors Council hosts a celebration for graduating seniors and their families, awarding plaques to recognize the success of Honors Program graduates. Honors graduates receive a medallion at the Honors Convocation which they then wear to Commencement.

Research Stipends

The Honors Program provides Research Support Grants to students during the academic year, as well as Summer Research Stipends for independent research. The deadline falls in the middle of the spring semester. **All CNU students are eligible for summer Research Stipends.** Winners are announced at the Annual Honors Celebration and will be expected to make formal presentations of their work following the conclusion of their projects.

Travel Awards

Honors Students may apply for travel grants up to \$1000 for travel during the academic year to support research leading to presentations at conferences or to publication by contacting Dr. Jay Paul.

THE CURRICULUM IN HONORS

HONR 010. First Year Activities (0-0-1)

Fall and Spring.

Participate in major cultural / intellectual events, especially lectures and small-group discussions with visiting scholars, artists, and performers. A passing grade is required for two enrollments. **This course is graded pass/fail.**

HONR 020. Second Year Activities (0-0-1)

Fall and Spring.

Participate in major cultural / intellectual events, especially lectures and small-group discussions with visiting scholars, artists, and performers. A passing grade is required for two enrollments. **This course is graded Pass/fail.**

HONR 030. Third Year Activities (0-0-1)

Fall and Spring.

Participate in major cultural / intellectual events, especially lectures and small-group discussions with visiting scholars, artists, and performers. A passing grade is required for two enrollments. **This course is graded Pass/fail.**

HONR 040. Fourth Year Activities (0-0-1)

Fall and Spring.

Participate in major cultural / intellectual events, especially lectures and small-group discussions with visiting scholars, artists, and performers. A passing grade is required for two enrollments. **This course is graded Pass/fail.**

HONR 100. Liberal Arts as Journey (3-3-0)

Fall.

Starting with one work (e. g. novel, film, scientific treatise) this seminar introduces the liberal arts through practice in logical, imaginative, and scientific thinking. HONR 100 introduces the Honors Program and the intentional undergraduate experience, especially the opportunity to develop plans for research and civic engagement projects of distinction with an eye toward post-graduate success.

HONR 195. Special Topics (credits vary 1-3)

Restricted to Honors Program students.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

HONR 295. Special Topics (credits vary 1-3)

Restricted to Honors Program students.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

HONR 300 series. Seminars in the Natural World (3-3-0)

Prerequisite: HONR 100.

Fall and Spring.

Students in these interdisciplinary seminars will explore issues related to fields ranging from neuroscience to astronomy. A major cultural text will frame inquiry and

provide historical depth. In discussions of central questions as well as in the development of projects, students will utilize the intellectual approaches and perspectives of various academic disciplines, including their majors. Assignments include written presentations and practice in one or more major skill set (e. g. quantitative analysis, computer skills, argumentative writing, geography, scientific reasoning and hypothesizing).

HONR 310 and 360 series. Seminars in Identity and Culture (3-3-0)

Prerequisite: HONR 100.

Fall and Spring.

Students in these interdisciplinary seminars will explore issues related to social institutions and the roles of individuals within them. A major cultural text will frame inquiry and provide historical depth. In discussions of central questions as well as in the development of projects, students will utilize the intellectual approaches and perspectives of various academic disciplines, including their majors. Assignments include written presentations and practice in one or more major skill set (e. g. quantitative analysis, computer skills, argumentative writing, geography, scientific reasoning and hypothesizing).

HONR 320 and 370 series. Seminars in Western Traditions (3-3-0)

Prerequisite: HONR 100.

Fall and Spring.

Students in these interdisciplinary seminars will explore issues related Europe and the Americas. A major cultural text will frame inquiry and provide historical depth. In discussions of central questions as well as in the development of projects, students will utilize the intellectual approaches and perspectives of various academic disciplines, including their majors. Assignments include written presentations and practice in one or more major skill set (e. g. quantitative analysis, computer skills, argumentative writing, geography, scientific reasoning and hypothesizing).

HONR 335. The Good Society (3-3-0)

This interdisciplinary seminar poses two central questions: what is a good society, and what are the roles and responsibilities of good citizens? Using an analytic framework, the course examines the patterned ways (institutions) in which people live together, the problems we solve with these institutions, and the problems either unsolved or caused by them. Through case studies, the course elevates awareness of the larger world and its problems and encourages student engagement. This course automatically counts as a Study Abroad Inquiry.

This course may not be taken Pass/fail.

HONR 340 series. Seminars in Creative Expression (3-3-0)

Prerequisite: HONR 100.

Fall and Spring.

Students in these interdisciplinary seminars will explore issues related to human creativity, including the essential role of the arts in human evolution. A major cultural text will frame inquiry and provide historical depth. In discussions of central questions as well as in the development of projects, students will utilize the intellectual approaches and perspectives of various academic disciplines, including their majors. Assignments include written presentations and practice in one or more major skill set (e. g. quantitative analysis, computer skills, argumentative writing, geography, scientific reasoning and hypothesizing).

HONR 350 series. Seminars in Formal and Informal Reasoning (3-3-0)

Prerequisite: HONR 100.

Fall and Spring.

Students in these interdisciplinary seminars will explore issues related to structures found in such areas as mathematical inquiry, formal logic, informal logic, and natural and artificial languages. A major cultural text will frame inquiry and provide historical depth. In discussions of central questions as well as in the development of projects, students will utilize the intellectual approaches and perspectives of various academic disciplines, including their majors. Assignments include written presentations and practice in one or more major skill set (e. g. quantitative analysis, computer skills, argumentative writing, geography, scientific reasoning and hypothesizing).

HONR 381. Major-Related Independent Activity (credits vary 0-3)

Prerequisite: Any three 300-level HONR seminars.

Fall and Spring.

When taken for credit, this Inquiry documents independent initiatives related to the curriculum of the major but additional to the requirements. HONR 381 is the equivalent of existing departmental independent studies and uses existing procedures. (As appropriate, this Inquiry may occur in a discipline outside the major.) *If individual research is already required by the major department, HONR 381 will not result in additional credit, but serve only as a completion marker for the Honors Program requirement. The course repeatable for a total of six credits.*

HONR 382. Civic Engagement (credits vary 0-3)

Restricted to Honors Program students.

Fall and Spring.

This Inquiry encourages students to undertake experiences—community service, internships, paid employment—related to their long-term goals. The course may be taken twice for credit for a maximum of six credits.

HONR 383. Study Abroad (0-0-0)

This Inquiry confirms the completion of a study abroad for academic credit through a CNU program or through the transfer of another accredited institution's credits. The

student must notify the director that the study abroad credits have been posted to the unofficial CNU transcript in order to receive the HONR 383 course notation. This course may be repeated with director's approval.

HONR 395. Special Topics (credits vary 1-3)

Restricted to Honors Program students.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

HONR 484. Honors Portfolio (1-1-0)

Restricted to Honors Students in their final semester.

Submitted early in the final semester, the Honors Portfolio will present the products of each student's experience in Honors. It will contain one personal statement from each year at CNU, the last being a 3-5 page reflection upon and assessment of the entirety of the Honors undergraduate experience in order to demonstrate integration and critical reflection of experience across four years.

HONR 490. WI: Problems in the Modern World (3-3-0)

Restricted to Honors Program students with junior or senior standing. Must have completed three 300-level Honors seminars.

Fall and Spring.

This interdisciplinary course is designed to encourage students to examine the special concerns of the world they are about to enter. The course will have its own unique focus, which may change each year. Each student will prepare a research project on an issue of current concern viewed from the perspective of the student's major discipline. *The Pass/Fail Option may not be used in this course.* This course partially satisfies the writing intensive requirement.

HONR 495. Special Topics (credits vary 1-3)

Restricted to Honors Program students.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

HONR 499. Independent Study (credits vary 1-3)

Prerequisite: Consent of instructor and director.

HUMAN RIGHTS AND CONFLICT RESOLUTION

Dr. Suparna Chaudhry, Director
McMurran 355
(757) 594-7821
suparna.chaudhry@cnu.edu

The Minor in Human Rights and Conflict Resolution (18 credits)

The interdisciplinary Minor in Human Rights and Conflict Resolution will explore the different ways in which peace and justice can be achieved. Core issues studied include: the legal, cultural, social, and political basis of human rights, the causes and nature of violence, societal conflict, and war between states, and methods of conflict management, peace implementation, and reconciliation on the personal, group, national, and international levels. The minor facilitates the discovery of ways to overcome conflict and work towards peace. Critical thinking and interdisciplinary approaches link issues of conflict, conflict resolution, and peace with human rights, the rule of law, and social justice.

Program Objectives:

Upon completing the requirements of the Minor in Human Rights and Conflict Resolution, students will be able to:

1. Analyze the evolution and implementation of human rights and the origin and dynamics of peace and conflict from different disciplinary perspectives, including political science, law, history, psychology, anthropology, communication, economics, philosophy, religious studies, social work, sociology, modern languages, and fine arts.
2. Discuss innovative answers to questions of human rights, conflict and peace. This includes, for example, making connections between all levels of conflict (individual, group, society, and international) and examining peace and human rights implementation across societies.
3. Synthesize approaches to human rights and conflict resolution that are presented in different disciplines. Students are encouraged to develop personal approaches to dealing with conflict resolution and human rights through academic learning, scholarly investigations, discussions with peers and faculty, and practical experiences (service learning and internships).
4. Participate actively in campus and community platforms related to human rights and conflict resolution.

Program Requirements:

1. POLS 215 or SOCL 201;
2. POLS 322 or 329;
3. Four courses (12 credits) chosen from the list of electives. Three of these courses must be taken at the 300-400 level;

4. Courses from three different disciplines must be represented in the 18 hours.
5. Graduation with Service Distinction is encouraged.
6. In addition to the courses listed below, certain study abroad seminars, independent studies, and special topics courses may also count toward the minor as determined by the director.

THE CURRICULUM IN HUMAN RIGHTS AND CONFLICT RESOLUTION

The following course descriptions appear in appropriate sections throughout the catalog.

Core

POLS 215	Comparative and International Politics
POLS 322	Conflict and Peace Studies
POLS 329	International Human Rights
SOCL 201	Globalization and Society

Electives

ANTH 203	Cultural Anthropology
ANTH 309	The Refugee Experience
ENGL 304	WI: Creativity out of Conflict
ENGL 313	Literature and Social Issues
HIST 326	The Nazi State and the Holocaust
HIST 336	American Foreign Relations
HIST 341	The Long Civil Rights Movement
PHIL 304	Ethics and Current Value Questions
PHIL 337	Radical Evil and the Philosophy of Law
PHIL 386	Values and Postmodernity
POLS 323	American Foreign Policy
POLS 327	International Law & International Organizations
POLS 340	Might and Right Among Nations
POLS 307	Civil Liberties
POLS 410	Ethnic Conflict and Nationalism
POLS 450	Ethics in Government and Politics
PSYC 304	Social Psychology
SOCL 309	The Refugee Experience
SOCL 316	Racial and Ethnic Relations

INTERDISCIPLINARY STUDIES

Professor Nathan Harter, Director

Luter Hall 201D

(757) 594-9173

nathan.harter@cnu.edu

The interdisciplinary studies degree program permits a student, under the guidance of a faculty committee, to design and carry out an individual plan of study involving two or more academic disciplines. The student may earn either the Bachelor of Arts or the Bachelor of Science degree in interdisciplinary studies. An important objective of the Interdisciplinary Individualized Program is to involve the student in formulating a rationale for the design of a coherent individual program of study. This is a difficult task and requires a certain amount of knowledge and direction. The student will have to give considerable thought to his or her long-range learning objectives and to the best way to meet those objectives. For this reason, the following guidelines must be met:

1. The student must have completed at least 30 semester hours of course work and have achieved at least a 3.00 GPA at the time the petition is submitted.
2. The declaration of interdisciplinary studies major is through the petition process (details listed below) and must be completed before earning 60 hours of credit.
3. The total program of study must include at least 42 semester hours of course work beyond those completed **at the time of approval**; a minimum of 30 semester hours at the 300-400 level; and a senior capstone project designed by the student and her/his faculty committee to analyze and synthesize the topic of study.
4. The student's educational goals must be such that they cannot be achieved by a regular departmental major supported by a minor and/or careful selection of electives.
5. The student's total program of study must conform to and meet all requirements of the curricular structure for baccalaureate degrees, including the liberal learning curriculum and must give evidence of disciplined academic inquiry.

To enter this program the student must first complete a proposed plan of study, including a rationale for the plan and identifying those disciplines that will be involved in the student's plan of study. Guidelines are available from the Director of Interdisciplinary Studies. Proposals must be submitted to the Interdisciplinary Studies Director by November 1 during the fall semester or March 15 during the spring semester. It is advisable for a student to discuss the plan of study with the director before submitting a proposal.

The Director of Interdisciplinary Studies reviews and approves the student's petition and proposed plan of study and serves as the academic advisor for all interdisciplinary studies students.

The student is notified if the proposal cannot be approved. If the proposal is viable, the student recruits a faculty committee that represents the primary disciplines involved. The appointed faculty committee then meets with the student to discuss the proposed plan of study and continues to assist the student in the implementation of the details. This includes approving the individual courses that the student must take to meet all requirements for the bachelor of arts or bachelor of science degree. The committee must approve the student's program. The Director of Interdisciplinary Studies oversees the total work of the student and confirms, prior to graduation, that all requirements have been completed.

THE CURRICULUM IN INTERDISCIPLINARY STUDIES

IDST 100. Humanities Perspectives (3-0-3)

Restricted to Summer Humanities Institute Students.

An introduction to the humanities through a review of some of the major developments in human culture. The goal is to analyze how societies express themselves through literature, arts, philosophy, history and technology. Focus is on developing the analytical acuity and skill in oral and written expression. Themes will vary each June term.

IDST 490. Interdisciplinary Studies Capstone Project (3-0-3)

Prerequisites: Junior or Senior Standing, consent of the Instructor and Interdisciplinary Studies Program Director.

In this course the student integrates coursework taken in the disciplines comprising his/her major. Under the direction of his/her faculty committee and program coordinator, the student designs a project that analyzes and synthesizes the topic of study, culminating in a research paper in support of the major theme.

The following IDST courses are hereby listed:

IDST 205	Introduction to Asian Studies AIGM
IDST 210	A Study in Childhood
IDST 470	Seminar in Civic Engagement
IDST 264	Judaism and Christianity in America
IDST 240	Medieval & Renaissance Perspectives AIWT
IDST 255	Introduction to Women's & Gender Studies AIGM
IDST 265	Introduction to Middle East and North Africa Studies
IDST 267	Introduction to Latin American Studies AIGM
IDST 270	Introduction to Digital Humanities
IDST 277	Introduction to Museum Studies
IDST 377	Advanced Museum Studies

INTERNATIONAL CULTURE AND BUSINESS

Dr. Laura Deulio, Director

Department of Modern and Classical Languages and Literatures, McMurrin Hall 105

(757) 594-7062

ldeulio@cnu.edu

The Minor Program in International Culture and Business (18 credits)

The minor in international culture and business provides students an opportunity to enhance their understanding of the global environment in which so many businesses operate. The minor will introduce the fundamentals of business, development of language skills, a sensitivity to cultural differences, and the opportunity to study abroad.

Program Objectives:

The interdisciplinary minor program in international culture and business advances the mission of the Luter School of Business by providing students an opportunity to enhance their understanding of the global environment in which businesses operate. It provides linkages between business and the liberal arts and an important international dimension to the business students' experience at CNU.

The minor complements the Department of Modern and Classical Languages and Literatures' mission, which seeks to prepare students to use their language skills in practical career-oriented contexts.

Program Requirements:

*Students wishing to fulfill #1-2 with a language other than French, German or Spanish should contact the Program Director.

1. Select one: FREN 301, 303W, GERM 301, 303W, SPAN 301, 303;
2. Select one: FREN 314, GERM 314, SPAN 314;
3. Select one: SOCL 201, GEOG 210 or three study abroad transfer credits approved by the Luter School of Business Director or Chair of the Modern and Classical Languages and Literatures Department as appropriate.
4. MLAN 308;
5. Select one:
 - a. Business majors complete six credits in the Business Core; or
 - b. BUSN 303 and one of the following: BUSN 300, BUSN 311 or FINC 300.

THE CURRICULUM IN INTERNATIONAL CULTURE AND BUSINESS

Course descriptions appear in appropriate sections throughout the catalog:

FREN 301	Grammar and Composition
FREN 303	Reading and Writing Seminar in French
FREN 314	Business French
GERM 301	Grammar and Composition
GERM 303	German Composition
GERM 314	Business German
MLAN 308	Cross Cultural Awareness
SPAN 301	Grammar and Composition
SPAN 303	Advanced Grammar & Composition
SPAN 314	Business Spanish
GEOG 210	Introduction to Human Geography
SOCL 201	Globalization and Society
BUSN 300*	Organizational Behavior
BUSN 311*	Marketing Management
BUSN 303**	Fundamentals of Business
FINC 300**	Managerial Finance

For business majors: six credits in the BUSN Core

*Non business majors must obtain permission from the Luter School of Business to enroll.

**These courses have prerequisites.

JUDEO-CHRISTIAN STUDIES

Dr. Stephen Strehle, Director
McMurrin Hall 263
(757) 594-7272
sstrehle@cnu.edu

The Minor in Judeo-Christian Studies (18 credits)

The Judeo-Christian studies minor provides an opportunity for students to explore the religious heritage of our culture. Certain courses are designed to focus upon the Jewish faith, emphasizing the study of sacred scripture, the development of its traditions, and the struggle of its people down through the ages; other courses focus upon Christianity, including the study of the New Testament writings and the historical development of the church and its teachings. The Judeo-Christian tradition is related to the social, historical, and political context throughout the curriculum. The importance of the tradition is particularly displayed in a number of special courses, designed to examine the significance of its influence upon western civilization in providing an indelible mark upon the social, economic, and political landscape.

The minor is intended for those who wish to critically examine this tradition from a diversity of academic disciplines. It is intended for those who wish to explore the prevailing spiritual forces of their culture and grapple with the religious message in addressing the ultimate questions of life and the practical needs of society.

Program Objectives:

1. To provide a deeper understanding of Judaism and Christianity through the analysis of sacred texts and the study of religious communities in their development.
2. To examine the cultural significance of the Judeo-Christian tradition within western civilization.
3. To expand the horizons of the students by providing interdisciplinary approaches to the study of religion.

Program Requirements

1. RSTD 232 and 265;
2. Select four courses (12 credits) from the following list of electives;
3. Certain independent studies, special topics and study abroad courses may be substituted for items in the program requirements listed in number one and two as determined by the director.

THE CURRICULUM IN JUDEO-CHRISTIAN STUDIES

The following course descriptions appear in appropriate sections throughout the catalog.

Core

RSTD 232	Visions of Christianity
RSTD 265	Visions of Judaism

Electives

GREK xxx	One semester of Greek may be presented
RSTD 319	Religion and American Identity
RSTD 321	The Church and the State
RSTD 361	Hebrew Bible
RSTD 362	New Testament
PHIL 308	Philosophy of Religion
PHIL 451	The Great Philosophers (Subject to the approval of the Director)
POLS 320	Religion and Politics in America
SOCL 313	Sociology of Religion

LATIN AMERICAN STUDIES

Dr. Sarah Finley, Director
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The Minor in Latin American Studies (18 credits)

This minor will prepare students to engage with the increasingly transnational nature of society. Latin America is a region of key importance in the age of globalization and mass migration. The minor will foster students' understanding of the interactions between Latin America's indigenous and introduced cultures in the past and present. Latin America's relationship to the United States will be critically examined in the minor's curriculum, thus providing students the opportunity to develop perspectives on current economic interdependencies between the U.S. and Latin America and the rapid growth of the Latino population in the U.S. According to the U.S. 2012 Census, there are 53 million Latinos living in the United States. The United States currently has the second-largest native Spanish speaking population, the vast majority of which is of Latin American heritage. The minor not only will prepare students for work with organizations, businesses, and agencies that are internationally and nationally focused; it also will prepare them to work with the growing Latino population in their home communities in Virginia.

Program Objectives:

1. To identify major historical, political, social and cultural Latin American events.
2. To demonstrate knowledge of key trends of thought in Latin American history, politics, literature and art.
3. To demonstrate an understanding of culture differences and diversity within Latin America.
4. To critically examine the United States-Latin America relationships.
5. To critically analyze primary sources in various media (texts, films, visual arts, etc.) in their historical, political, social and cultural context.

Program Requirements

1. Three credits at the 202 level or higher in SPAN; native speakers of Spanish and students who took four years of Spanish in high school are encouraged to take a 300-level course. Students may substitute three transfer credits at the 202-level or higher in Portuguese with the permission of the director.
2. IDST 267 Introduction to Latin American Studies.
3. Select four courses (12 credits) from the following list of electives representing at least three different disciplines.

4. With the permission of the director, the following courses may also be considered: FNAR 403, SPAN 471, 472, 473. Course substitutions must be completed by the director.
5. Study Abroad in Latin America and transfer credits as approved by the director of the program.

THE CURRICULUM IN LATIN AMERICAN STUDIES

IDST 267. Introduction to Latin American Studies (3-3-0) AIGM

An interdisciplinary introduction to Latin America focusing primarily on 20th and 21st century cultural, social, and political issues. Students will emerge with a broad, multidisciplinary view of the region and will come to understand global issues from a Latin American perspective. Basic questions to be addressed will include: What is Latin America? Who are Latin Americans? Why do we think of Latin America as a cohesive geopolitical and cultural region? Along the way, students will discover Latin America's diversity and rich cultural heritage.

Course descriptions appear in appropriate sections throughout the catalog:

DANC 260	African Dance in the Diaspora
DANC 360	Afro-Caribbean Dance
FNAR 375	Pre-Columbian Art
FNAR 380	Caribbean Art
FNAR 403	Advanced Topics in Art History*
HIST 212	Viva Zapata! Revolution and the Peoples of Latin America
HIST 335	Caribbean History and Culture
HIST 364	History of Brazil
HIST 462	The Mexican Revolution
POLS 350	Latin American Politics and Societies
SPAN 351	Introduction to Latin American Literature I
SPAN 352	Introduction to Latin American Literature II
SPAN 471	Hispanic Visual Culture and the Arts *
SPAN 472	Hispanic Popular Culture *
SPAN 473	Hispanic Literature and Social Issues *

* With permission of the director of the minor.

DEPARTMENT OF LEADERSHIP AND AMERICAN STUDIES

Dr. Lynn Shollen, Chair

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Faculty

Professor: Harter, Kaufer-Busch, Morrison, Redekop

Associate Professor: Colvin, Cusher, Shollen, White

Assistant Professor: Chace, Heuvel, Kundmueller

Senior Lecturer: Gagnon

Lecturer: Callahan, Tian, Waters

Instructor: Throupe

Emerita: Perkins

Mission Statement

The mission of the Department of Leadership and American Studies is to offer interdisciplinary learning opportunities in leadership studies and American studies. The department is dedicated to the ideals of liberal learning, scholarship, leadership, and service. Our purpose is to ignite in our students a love of learning, inspire a sense of responsibility and civic duty, and help our students gain the knowledge and confidence to engage as responsible leaders and followers. The department currently offers a Bachelor of Arts degree in Interdisciplinary Studies with a major in American studies along with minors in both leadership and American studies. Note: Students are required to participate in program assessment activities.

CENTER FOR AMERICAN STUDIES

Dr. Elizabeth R. Kaufer Busch, Co-Director

Dr. Nathan Busch, Co-Director

The Center for American Studies (CAS) in the Department of Leadership and American Studies at Christopher Newport University is an interdisciplinary academic center that promotes teaching and scholarship on America's founding principles and history, economic foundations, and national security. With the guidance of its prestigious Board of Directors, CAS sponsors conferences, workshops, internships, and research at the undergraduate and postdoctoral levels. A non-partisan center, CAS aims to promote sensible notions of liberty and civic responsibility. Additional information about CAS events and internships can be found at cas.cnu.edu.

Dr. Elizabeth R. Kaufer Busch

Director of American Studies

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The Bachelor of Arts Degree in Interdisciplinary Studies, American Studies Major

American studies employs investigative methodologies drawn from multiple disciplines, including attention to

historical process, that involve reading, writing, conducting research, and critically thinking about the nature of American life. In American studies, an interdisciplinary approach is used to examine relevant topics such as region, place, cultural forms expressing American identity, America's place in the global community, and social constructs of class, gender, and race. Students will have the opportunity for experiential learning and study abroad. A major in American studies is excellent preparation for graduate and professional schools and for careers in journalism, museums, law, government, education, non-profit organizations, and business.

The major is comprised of four core courses in American studies (AMST) with the remaining courses selected from approved, related courses from various disciplines as determined by the chosen concentration. Students will work closely with an advisor to ensure their curriculum has coherence, depth, and breadth and that it is consistent with the students' future plans.

The Bachelor of Arts degree in interdisciplinary studies requires that students fulfill the liberal learning curriculum, American studies core courses and complete one of the three concentrations (constitutional studies, social sciences or humanities) as listed below.

Constitutional Studies Concentration

This concentration is open to all students, and is especially useful for those interested in graduate study in social and political science, government, history or law. The constitutional studies concentration requires 24 credits in addition to the required American studies core courses. No more than two courses (6 credits) may be at the 100 or 200 level; 18 credits must be at the 300 or 400 level.

1. American studies core: AMST 100, 200, 300, 490W;
2. POLS 316;
3. Select one (3 credits): AMST 330, 335W, 350, PHIL 425;
4. Select six (18 credits), a minimum of four courses at the 300-level or higher: AMST 120, 330, 335W, 350, 390; BUSN 302, 351, 352; CLST 101; ECON 310; COMM 305; HIST 304, 305, 341, 349, 354; HONR 322, 323; PHIL 205, 321W, POLS 240, 243, 320, 327, 333, 344, 347, 359, 363 368W, 375; RSTD 321.

NOTES:

- No more than one A or I course may count toward both the liberal learning core A or I requirement and the major requirement.
- No more than one Honors course may count toward the major.

Humanities Concentration

Humanities concentration requires 24 credits in addition to the required American studies core courses. No more than two courses (6 credits) may be at the 100 or 200 level; a minimum of 18 credits must be at the 300 or 400 level.

1. American studies core: AMST 100, 200, 300, 490W.
2. Humanities - Select five from at least two disciplines: AMST 195, 295, 310, 330, 335W, 340, 350, 395, 399, 495, 499; CLST 101; DANC 205; ENGL 315, 341, 342, 343, 345, 346, 381, 385, 410, 412; FNAR 372, 375; HIST 121, 122, 304, 305, 324, 327, 336, 340, 341, 348, 349, 350, 351, 352, 354, 355, 356, 357, 358, 372, 453; HONR 322, 323; MUSC 214; PHIL 312, 425; RSTD 319, 338; THEA 346, 361W.
3. Social Sciences - Select two: AMST 120, 195, 295, 330, 335W, 340, 350, 395, 399, 495, 499; BUSN 351; COMM 320, 326, 330, 335, 341, 415, 425; ECON 302, 375W, 475; POLS 101, 202, 240, 243, 316, 320, 323, 333, 344, 347, 354, 359, 363, 375, 382, 395, 454; HONR 360; SOCL 303, 314, 316, 320, SOWK 368W.
4. Global-Comparative - Select one: AMST 195, 295, 340, 390, 395, 495; ANTH 377; COMM 340; ECON 470; ENGL 320W, 425; FNAR 377; GEOG 308, POLS 215, 311W, 358, 368W, 402; HIST 325, 469; HONR 490W; PHIL 315; PSYC 320; SOCL 377.

NOTES:

No more than one A of I course may count toward both the liberal learning core A of I requirement and the major requirement. No more than one Honors course may count toward the major.

Social Science Concentration

Social science concentration requires 24 credits in addition to the required American studies core courses. No more than two courses (6 credits) may be at the 100 or 200 level; a minimum of 18 credits must be at the 300 or 400 level.

1. American studies core: AMST 100, 200, 300, 490W.
2. Social Sciences - Select five from at least two disciplines: AMST 120, 195, 295, 330, 335W, 340, 350, 395, 399, 495, 499; BUSN 351; COMM 320, 326, 330, 335, 341, 415, 425; ECON 302, 375W, 475; POLS 101, 202, 240, 243, 316, 320, 323, 333, 344, 347, 354, 359, 363, 375, 382, 395, 454; HONR 360; SOCL 303, 314, 316, 320; SOWK 368W.
3. Humanities - Select two: AMST 195, 295, 310, 330, 335W, 340, 350, 395, 399, 495, 499; CLST 101; DANC 205; ENGL 315, 341, 342, 343, 345, 346, 381, 385, 410, 412; FNAR 372, 375; HIST 121, 122, 304, 305, 324, 327, 336, 340, 341, 348, 349, 350, 351, 352, 354, 355, 356, 357, 358, 372, 453; HONR 322, 323; MUSC 214; PHIL 312, 425; RSTD 319, 338; THEA 346, 361W.
4. Global-Comparative - Select one: AMST 195, 295, 340, 390, 395, 495; ANTH 377; COMM 340; ECON 470; ENGL 320W, 425; FNAR 377; GEOG 308, POLS 215,

311W, 358, 368W, 402; HIST 325, 469; HONR 490W; PHIL 315; PSYC 320; SOCL 377.

NOTES:

- No more than one A of I course may count toward both the liberal learning core A of I requirement and the major requirement.
- No more than one Honors course may count toward the major.

The Minor in American Studies (18 credits)

The minor in American studies requires 18 credit hours, including AMST 100, 200, and 300 plus nine additional hours at the 300-400 level chosen in consultation with an assigned departmental advisor from courses approved for the major in American Studies.

The Minor in Leadership Studies (18 credits)

The leadership studies minor, which is open to all CNU students, is interdisciplinary and highly complementary to any liberal arts and sciences or professional education. The leadership studies minor is required for President's Leadership Program (PLP) students, but also is an attractive curriculum for other interested students.

Leading and following occurs in families, neighborhoods, communities, civic clubs, organizations, states, and nations. The process of leadership involves establishing trust and achieving change through shaping vision, values, and culture. Ethical leaders are needed who can identify important issues, heighten public awareness and understanding, develop imaginative solutions and strategies, and inspire and empower others to give of themselves to achieve the vision of a better tomorrow. Here, the word leader is intended to mean a person acting in a leadership role, not necessarily the occupant of a designated position of authority. The following curriculum is designed to prepare CNU students to engage effectively in the leadership process:

1. Minor core: LDSP 210, 240, 320, 386;
2. Select two: AMST 100; HONR 335; LDSP 195, 250, 295, 330, 359, 370, 380, 384, 395, 399, 495, 491W, 499; MLSC 401-401L; or MGMT 310.

Graduate School Preparation

Students who intend to pursue graduate studies in American Studies beyond the Bachelor of Arts degree in American Studies, should meet regularly with their advisor to prepare an appropriate course of study. They should consider a study abroad program, and opportunities to present their research at conferences.

The Pre-Law Program

The Bachelor of Arts degree in American Studies represents an excellent schedule of analytical courses recommended for both admission to and success in law school. The "constitutional studies concentration" within American Studies is designed to prepare students for law

school by providing the foundational knowledge of the U.S. Constitution in addition to the analytical, research, and writing skills recommended by the American Bar Association (ABA). CNU students majoring in the constitutional studies concentration have been accepted into, and awarded fellowships to prestigious law schools across the country. For additional information on law school preparation, or Law school Admissions Testing (LSAT), contact CNU's pre-law advisor, or see the Pre-law program located in this catalog.

Internship Opportunities

Students may choose to take internships at the local, state, federal, and international levels. Internships might be as varied as working with historical societies, government agencies, local campaigns, business or management firms, private firms, or domestic foreign-based non-profit organizations. The Center for American Studies offers and can assist students in finding internship opportunities.

Teacher Preparation in History and Social Science

Those students who wish to become teachers should apply to the five-year Masters of Arts in Teaching (M.A.T.) program. Application to the program must be made in spring of the junior year. See the *Graduate Catalog* for application instructions and requirements. Students will earn a B.A. in American Studies after the first four years and then complete an additional year of study leading to an M.A.T. degree. As an interdisciplinary major, American Studies is a natural fit for students intending to become teachers with the history/ social science endorsement because the major enables students to take courses both in history and the social sciences towards their degree program. The courses and degree requirements for the M.A.T. are found in the graduate catalog. Students accepted into this program must complete one of the following tracks with the bachelor's degree:

Elementary level (PK-6) Track

Major courses required:

See major requirements for the B.A. in American Studies. Students may major under any of the three approved concentrations.

Support courses required:

- ENGL 123, 223; 310 or 430, and 316;
- COMM 201 or THEA 230;
- CPSC 110;
- MATH 109, 125;
- HIST 111, 121, 122;
- POLS 101;
- GEOG 210;
- PSYC 208, 312;
- SOCL 314/314L;
- BIOL 107 or 108; CHEM 103; PHYS 141; PHYS 105L or BIOL 109L;
- NSCI 310.

* Support courses may change based on regulations from

the Virginia Department of Education.

Graduate courses* required (senior year):

Select six credits from a), b), or c):

- a) MATH 570;
- b) PSYC/TCHG 544;
- c) MLAN 511, ENGL 530.

Secondary level (6-12) Track: History and Social Science Endorsement

Major courses required:

See major requirements for the B.A. in American Studies. You may major under any of the three approved concentrations.

Support courses required:

HIST 111-112, 121-122; MATH 125; COMM 201 or THEA 230; PSYC 207 or 208 and 312; SOCL 314/314L; CPSC 110; POLS 100 or 101; POLS 202; POLS 215; Two 300-400 level government electives; Two 300-400 level history electives; ECON 201 or 202; GEOG 210 and 211. Please note that students may take two 300-400 level government electives and two 300-400 level history electives from the list of approved American Studies course to count in the major.

Graduate courses* required (senior year): Select six credits: 500 level History courses; PSYC 535.

*See the graduate catalog for course descriptions.

THE CURRICULUM IN AMERICAN STUDIES

AMST 100. The American Experiment: Formation of Democratic Life (3-3-0) AIDE

An introduction to the discipline of American Studies. Students will examine the ways in which America was, and is, an experiment in democratic life. This course critically examines the intellectual and cultural foundations of American life as well as the formation of American identities and competing ideals. Students will explore the extent to which America has been shaped by issues such as unity, equality, liberty, individualism, civic engagement, and democratic values.

AMST 120. Encounters with the Constitution (3-3-0) AIDE

This course explores the constitutional, historical, political, sociological, and economic implications of selected landmark U.S. Supreme Court cases as a means of gaining greater understanding of the Constitution and its significance in everyday life. Topics include the role of the judiciary, the powers of the federal government, race, religion, abortion, and economic rights. The course is designed for students who are considering law school and serves as an introduction to the constitutional studies concentration.

AMST 195. Special Topics (3-3-0)

These courses allow students to explore major issues, trends, or themes in American Studies. Topics vary.

AMST 200. The American Experiment: Evolution (3-3-0) AIWT

An interdisciplinary study of the evolution of the American Experiment as viewed through its changing institutions, ideals, and culture. In this context, topics such as family, education, race, gender, immigration, citizenship, capitalism, poverty, religion, and popular culture will be explored.

AMST 295. Special Topics (3-3-0)

These courses allow students to explore major issues, trends, or themes in American Studies. Topics vary.

AMST 300. The American Experiment: Global Influence (3-3-0) AIGM

Prerequisite: ENGL 223.

A critical evaluation of the American Experiment through the lens of the global community that asks what it means to be an American in an increasingly global world. Students explore post-colonial world views of a number of influential philosophers, scholars, leaders, and policy makers on America's life, culture, and place in the world. Topics may include global rights and duties, resource scarcity, cultural imperialism, public health, and the clash of liberalism with fundamentalism.

AMST 310. The American Economy in Literature (3-3-0)

Prerequisite: ENGL 223.

A study of the workings of the American economy using selections from literature. Course readings will include excerpts and short works by authors including Frost, Steinbeck, and others. Topics to be covered include supply and demand, capitalism, income inequality, public goods and government regulation, and labor markets.

AMST 330. Treason in America (3-3-0)

Prerequisite: ENGL 223.

This course examines how Americans have grappled with the problem of treason in America from the Colonial Era to the War on Terror. Students will study the fundamental role that treason plays in American discourse by exploring such topics as the proper role of antiwar dissent, the "limits" of free speech, the difficulties associated with protecting civil liberties during war, and the role of America's two-party system during national crises.

AMST 335. WI: Moot Court (3-3-0)

Prerequisite: ENGL 223 with a C- or higher.

This course examines the art of appellate argument in the United States Judicial System. Appellate argument requires many skills, including analyzing case law, identification of logical fallacies, internalizing a complex set of facts, argument construction and organization, brief writing, oral presentation, and impromptu responses to public questioning. Utilizing the American Collegiate Moot Court Association Annual Problem, students will complete a complex set of

tasks, which will culminate in a simulated oral argument and appellate brief at the end of the semester. This course partially satisfies the writing intensive requirement.

AMST 340. America at Sea (3-3-0)

Prerequisites: ENGL 223.

Considered both a highway and a barrier, the oceans and inland waterways have shaped the history of the North American continent, determining settlement patterns, providing access to the interior, and bringing war to American shores over the course of five centuries. Yet the seas have also inspired and informed imagery, literature, politics and popular culture in the United States. Using a maritime lens, this course will introduce students to the history, culture and technology of the sea from the pre-Columbian period to the present, using primary sources, music, fiction and imagery. Some classes may meet at The Mariners' Museum.

AMST 350. Sex, Law, and Society (3-3-0)

Prerequisites: AMST 100 or AMST 120 or IDST 255 or ENGL 223.

This course is an interdisciplinary exploration of the political, social, and economic meanings of sex equality, and the challenges to achieving that equality in the United States. Readings will assess the legal status of women and men in the United States historically and today, particularly focusing in the areas of work, education, the family, and sexuality. We will examine how the law has reflected, reinforced and shaped ideas about appropriate gender roles, sex equality, and gender equality in the U.S.

AMST 390. American Studies and Travel (3-3-0)

Prerequisites: AMST 100 or 120 or 200.

This course will allow students from all disciplines to compare American institutions and culture to those of other nations while studying abroad. Destinations and topics will depend upon faculty expertise and student interest. University study abroad paperwork required. Additional fees may be required. Repeatable once for a total of six credits, different topic and location.

AMST 395. Special Topics (3-3-0)

Prerequisite: As announced.

These courses allow students to explore major issues, trends, or themes in American Studies. Topics vary.

AMST 399. Independent Study in American Studies (credits vary 1-3)

Prerequisite: junior standing.

The purpose of this junior-level course is to enable a qualified student to enrich her/his program through independent work under the guidance of a faculty member. The topic and method of grading are agreed upon in writing by the student and the supervising faculty member and filed with the appropriate college offices by the end of pre-registration. A minimum cumulative grade point average of 2.50 is required.

A student may take a maximum of three hours of independent study in a semester and a maximum of six hours in her/his academic program.

AMST 490. WI: Capstone Seminar in American Studies (3-3-0)

Prerequisite: ENGL 223 with a C- or higher; AMST 100, 200 with a C or better; completion of 75 credit hours.

A capstone academic experience in which each student is expected to demonstrate independent research skills, prepare and present a formal paper, and participate in the discussion and analysis of presentations by other members of the seminar. Each student will prepare a research project focusing on the seminar's main theme. The product of this scholarship will exemplify the student's ability to express ideas in writing, critically analyze texts, and conduct analysis on the topic of the seminar. In addition, each student will complete a standardized assessment relevant to American Studies. This course partially satisfies the writing intensive requirement.

AMST 495. Special Topics (3-3-0)

Prerequisite: As announced.

These courses allow students to explore major issues, trends, or themes in American Studies. Topics vary.

AMST 499. Independent Study in American Studies (credits vary 1-3)

Prerequisite: senior standing.

The purpose of this advanced, senior-level course is to enable a qualified student to enrich her/his program through independent work under the guidance of a faculty member. The topic and method of grading are agreed upon in writing by the student and the supervising faculty member and filed with the appropriate college offices by the end of pre-registration. A minimum cumulative grade point average of 2.50 is required. A student may take a maximum of three hours of independent study in a semester and a maximum of six hours in her/his academic program.

THE CURRICULUM IN LEADERSHIP STUDIES

LDSP 195. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

LDSP 210. Self, Group and Leadership (3-3-0)

Fall.

This interactive course introduces students to the role of self and group in the leadership process. Through academic study, personal assessment, in-class activities, and assignments, students will gain an understanding of how personal development impacts leadership capabilities, the importance of self-understanding to effective leadership, and

the relationship between self identity and group process. In addition to self-study, students will study group development, group think, and the effect of power and communication styles in group dynamics.

LDSP 240. Theories and Perspectives on Leadership (3-3-0)

Prerequisite: LDSP 210.

Spring.

This course provides a multidisciplinary introduction to the field of leadership studies. Social scientific approaches to the study of leadership will be considered, with a focus on the application of theory to practice. The influence of the humanities and the natural sciences on the study of leadership will also be considered. Contemporary trends, topics, and debates will be explored, along with traditional approaches to the study of leadership.

LDSP 250. Environmental Leadership (3-3-0)

Prerequisite: Sophomore standing.

This course examines environmental leadership in a variety of contexts over the past two centuries, with an emphasis on North America. Students will be introduced to a broad spectrum of leaders who have been influential in charting a sustainable relationship between human beings and the biosphere. A variety of forms of environmental leadership are explored, along with the increasingly evident connections between the general construct of "leadership" and environmental concern.

LDSP 295. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

LDSP 320. Leadership Through the Ages (3-3-0)

Prerequisite: LDSP 240 with grade of C- or higher.

In attempting to understand leadership in the 21st Century, one cannot ignore the insights and practices of significant figures from the past. This course is designed to introduce students to some of the most influential historical leaders and thinkers from throughout the world and to examine how their lessons in leadership may or may not be applicable to current leadership issues. Using an interdisciplinary approach, students will study leaders acting in multiple contexts to understand how the contemporary and immediate situational factors influence leadership behavior.

LDSP 330. Cross-cultural Leadership (3-3-0) AIGM

Prerequisite: LDSP 240.

Old maps of a "flat" world show the area of origin as the center or middle of the Earth, illustrating the mind-set of societal and cultural preeminence. Through investigation of concepts, patterns, and issues that shape society and cultural mores, students learn the importance of society and culture to effective leadership in a global setting and understand

how to assess social structure and culture when making leadership decisions.

LDSP 359. The Mind of a Leader (3-3-0)

Prerequisite: LDSP 240.

Fall and Spring.

By adopting a cognitive approach to studying leadership, this course asks about the leader's internal processes: what does a leader think? Although only part of the leadership process, what happens in the mind is crucial, especially for prospective leaders to consider. Students will examine arguments for and examples of rationality in human affairs through multiple lenses, including evolutionary biology, artificial intelligence, and philosophy, looking especially at how to develop a more complex mind. The course concludes with a study of mental illness and leadership.

LDSP 370. Leading in the Healthcare Industry (3-3-0)

Prerequisite: Junior standing.

This course will use leadership theories to examine organizational dynamics in health professions. Leaders in the American health industry are faced with organizational, regulatory, cultural, ethical and political constraints. A broad spectrum of issues in the healthcare industry will be explored with a specific emphasis on bioethics, cultural competence, and physician leadership. A variety of theoretical concepts of leadership in health organizations are identified by reviewing various situations and case studies; additionally, analysis and proposed solutions for selected leadership challenges in the healthcare industry will be discussed.

LDSP 380. Women and Leadership (3-3-0)

Prerequisite: Junior standing.

This course provides an in-depth exploration of various topics related to women and leadership. Through the study of theoretical and empirical scholarship relevant to gender and leadership, diverse women leaders in various contexts, media representations of women leaders and women's leadership in practice, and personal discussions with women leaders and their followers, students will gain a deeper understanding of the ways in which gender identity can affect perceptions and practices of leadership.

LDSP 384. Leading Change (3-3-0)

Prerequisites: LDSP 240 or SOWK 201.

This course examines models of change with particular emphasis on group processes and the role of leadership. Change is explored as a process that presents opportunities and challenges for internal and external change. The course analyzes resistance to change and how leadership processes can be developed and employed to facilitate and motivate change. Techniques for effective communication, intervention, and conflict resolution are reviewed. Analytical methods to identify the need for change and individuals' readiness for change are discussed.

LDSP 386. Values Leadership (3-3-0)

Prerequisites: LDSP 240 and 320, and senior standing.

This course examines the paradigm of values leadership as a theory and a philosophy. To understand the values leadership concept as a whole, various components will be explored, such as types and sources of values, value patterning, modeling, creating a values culture, follower empowerment, and complexities of practicing values-based leadership. Also examined are the ethical behavior and moral responsibilities of leaders and followers. As the capstone course of the leadership studies minor, students will conclude with a reflective integration of their learning and development across courses completed for the minor.

LDSP 395. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

LDSP 399. Independent Study in Leadership (credits vary 1-3)

Prerequisites: Consent of instructor and Department Chair.

The purpose of this course is to enable a qualified student to enrich her/his program through independent work under the guidance of a faculty member. The topic and method of grading are agreed upon in writing by the student and the supervising faculty member.

LDSP 491. WI: Leadership Internship Seminar (3-3-0)

Prerequisites: LDSP 320 and junior standing.

The internship seminar is designed to help students integrate and apply the knowledge and experiences obtained in leadership courses to the internship setting. Using various research methodologies students in the seminar will analyze the leadership of the internship site, assess its leadership effectiveness, and determine strategies for change. Internship to be completed no more than one academic year prior to the seminar semester. This course partially satisfies the writing intensive requirement.

LDSP 495. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

LDSP 499. Independent Study in Leadership (credits vary 1-3)

Prerequisites: Consent of instructor and Department Chair.

The purpose of this course is to enable a qualified student to enrich her/his program through independent work under the guidance of a faculty member. The topic and method of grading are agreed upon in writing by the student and the supervising faculty member.

LINGUISTICS

Dr. Rebecca Wheeler, Director
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The Minor Program in Linguistics (15 credits)

Linguistics is the scientific study of language. Language, an arbitrary, symbolic signaling system is the major cognitive ability distinguishing human beings from all other animals. As a discipline, linguistics examines the structural components of language [i.e., phonetics (sound), phonology (sound patterning), morphology (word structure), syntax (sentence structure), and semantics (meaning)], the conventions of language use (pragmatics) and the precise interplay among them. The discipline explores language in society, the nature of language variation and issues of power, prestige, and prejudice accruing to language use.

The interdisciplinary linguistics minor anchors in two foundation courses, Introduction to Linguistics and a course in the Structure of Language (in English, French, German, Spanish or Latin). Students then explore how a linguistically informed approach to language fuels both theoretical and applied inquiry in diverse disciplines. For example, sociology and anthropology explore cultural and ethnic differences in communicative style and language use around the world; psychology explores child language acquisition, language and the brain, and the psychology of language; computer science might examine the syntactically and semantically well formed expressions in the artificial language of Java; and philosophy explores different theories of the nature and structure of language and the role that language plays in determining what is counted as truth, knowledge, and reality.

Students will learn how to uncover assumptions about language, they will learn how to make, test and revise hypotheses, and how to construct logical arguments pertaining to the nature of language. In this way, the linguistics minor supports our liberal arts mission as students further deepen skills of critical thinking and analysis.

Program Objectives:

1. Combine two focused foundation courses with the depth offered by diverse advanced courses.
2. Complement work done in the student's major by offering a focus on linguistics that is otherwise unavailable. Students of any major may take the minor in linguistics but it may be of particular interest to majors in English; philosophy and religious studies; modern and classical languages and literatures; fine art and art history; psychology; communication; sociology, and anthropology and social work.

Program requirements

1. ENGL 310 Introduction to Linguistics is required of all students in the minor.
2. Successful completion of three credits in the structure of language, either English or a foreign language. Thus, students in the minor will select one course among the following: ENGL 330, FREN 301, GERM 301, SPAN 301 or LATN 200.
3. Three program electives (9 credits) from the approved list from at least two different disciplines (a discipline is defined by the course prefix, i.e., PHIL and RSTD are two different disciplines).
4. Certain independent studies, special topics courses, and study abroad courses focusing on linguistic topics may count toward the minor requirements as determined by the director.
5. Students should consult the director on matters of course selection and advising.

THE CURRICULUM IN LINGUISTICS

Course descriptions appear in appropriate sections throughout the catalog.

Required Core (2 courses as specified)

ENGL 310	Introduction to Linguistics
ENGL 330	Structure of English
FREN 301	Grammar and Composition
GERM 301	Grammar and Composition
LATN 200	Latin and Its Living Legacy
SPAN 301	Grammar and Composition

Program Electives

CPSC 250	Computers and Programming II
ENGL 312	History of the English Language
FREN 310	Practical French Phonetics
MLAN 311	Teaching English to Speakers of Other Languages (TESOL)
PHIL 205	The Anatomy of Thought
PHIL 215	Philosophy and Literature
PHIL 307	Current Trends in Modern Thought
PHIL 379	Philosophy of Language
PSYC 208	Child Development
PSYC 316	Cognitive Psychology
PSYC 428/L	Cognitive Development /Lab
SOCL/ANTH 330	Language and Culture

DEPARTMENT OF MATHEMATICS

Dr. Christopher B. Kennedy, Chair

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Faculty

Professor: Bradie, Chen, Martin

Associate Professor: Dobrescu, Kennedy

Assistant Professor: Fogarty, J. P. Kelly, J. S. Kelly, Kuster, Morena, Panayotova, Samuels

Lecturer: Lenhart, Nailor, J. Perry

Instructor: Carpenter, Tong

Emeriti: Avioli, Bartels, Kostaki-Gailey, Summerville

Mission Statement

As a department within a university that values liberal learning, our mission is to provide high-quality programs that challenge students to appreciate the power, utility and beauty of mathematics. Outstanding teaching is the hallmark of the Department of Mathematics, in addition to maintaining vigorous program in research and service. Major and minor programs offered by the department prepare students for professional careers or further study.

Expected Outcomes

- To instill in students an appreciation for the power and relevance of mathematics as it relates to life,
- To equip students with a solid foundation in theoretical and applied mathematics necessary for advanced study or a professional career,
- To build foundational skills in critical thinking, reasoning, and problem solving,
- To help students develop their individual mathematical interests through internships, independent study, or faculty-student research,
- To provide students with mathematical proficiency to be successful when taking courses in other disciplines such as physics, computer science, engineering, biology, chemistry, biochemistry, neuroscience, psychology, sociology, and business.

The Department of Mathematics offers a variety of courses for those who wish to develop general or specific skills in mathematics, to satisfy the mathematics liberal learning foundation, to study mathematics for aesthetic reasons, or to pursue a Bachelor of Arts or Bachelor of Science degree in mathematics or a minor in mathematics.

Historical and philosophical highlights related to the development of mathematics are discussed in various mathematics major courses. Also, the ability to write computer programs is a prerequisite for MATH 335. Because of the

complexity of planning a long-term program for students intending to major or minor in mathematics, especially for those intending to teach mathematics in Virginia secondary schools, students are encouraged to consult with the Department of Mathematics before registering for courses. This applies to both degree and non-degree seeking students.

Calculus Placement

Students intending to register for either MATH 135-Calculus for Business and Social Sciences, MATH 140-Calculus and Analytic Geometry or MATH 148- Accelerated Calculus must have the appropriate prerequisite course (either MATH 110 or MATH 130 for MATH 135; MATH 130 for MATH 140) or receive a passing score on the Calculus Readiness Assessment (CRA). The CRA is administered at Setting Sail and prior to the registration period each semester. Any student intending to major in mathematics, applied physics, computer science, computer engineering, information systems, information science, chemistry, business or economics should take the CRA as soon as possible. The CRA is also offered every semester during the week before registration for the subsequent semester. A student's placement score is good for one academic year. For more information, see the departmental website.

Online Homework

Many mathematics courses use an online homework system. After selecting a particular class section, students should check the Captain's Locker to determine what software may be required. Students will need to purchase access using the provided ISBN on the Captain's Locker website.

Overrides

Students seeking an override for a closed course or to waive prerequisites must receive the approval of the department chair.

General Requirements for all Math Degrees

All students planning to pursue either the Bachelor of Arts or the Bachelor of Science in mathematics must satisfy the liberal learning curriculum, complete the Major Field Test, and all general requirements for graduation. All courses must be chosen in consultation with an academic advisor. **Students may have no more than two grades below C- in courses applied toward the major.**

Bachelor of Arts Degree in Mathematics

In addition to the successful completion of the liberal learning curriculum, students seeking a Bachelor of Arts in mathematics must successfully complete the following courses:

1. Minimum grade of C- in MATH 140 or 148 and 240;
2. MATH 128 or 3 credits in CPSC numbered 125 or higher;
3. MATH 245, 250, 260, 360, 370;
4. Either MATH 451 or MATH 499;
5. Complete 21 credits at the 300-400-level:
 - a. Select 12 MATH credits at the 300-400 level (excluding MATH 301, 451); at least 3 credits must be at the 400 level (excluding 451, 490, 499);
 - b. Select nine credits at the 300-400 level in MATH (excluding MATH 301W, 308, 451 and 499) **or** in one of the following disciplines: PHYS, CHEM, CPSC, CPEN, ECON, NEUR, BIOL, or BCHM. Courses must be chosen in consultation with the advisor or department chair.

Bachelor of Science Degree in Mathematics

In addition to the successful completion of the liberal learning curriculum, students seeking a Bachelor of Science in mathematics must successfully complete the following courses:

1. Minimum grade of C- in MATH 140 or 148 and 240;
2. CPSC 150/150L;
3. PHYS 201/201L and PHYS 202/202L;
4. MATH 245, 250, 260, 360, 370, 375;
5. MATH 460 or 470;
6. MATH 451 or 499;
7. Complete 15 MATH credits satisfying the following requirements:
 - a. Six credits must form a sequence, chosen from the following list of options:
 - 1) MATH 320 and either MATH 410 or 420;
 - 2) MATH 335 and MATH 435;
 - 3) Two of MATH 330, 345, and 373;
 - 4) MATH 350 and MATH 355;
 - 5) MATH 380 and MATH 440;
 - 6) MATH 365 and MATH 378.
 - b. Select nine MATH credits at the 300-400 level (excluding MATH 301W, 303W, and 451).

Bachelor of Science degree, Computational and Applied Mathematics Major

Applied mathematics is the application of mathematics to real-world problems. It is inherently multi-disciplinary. The primary objective of the computational and applied mathematics (CAM) program is to provide a degree where students integrate their interest and ability in mathematics with a complementary interest in an applied discipline. Another important objective of the CAM program is to prepare students for a career or graduate school by combining

the CNU liberal learning curriculum with a rigorous mathematics core and a substantive investigation into their chosen application field.

Bachelor of Science degree, Computational and Applied Mathematics Major**Biology and Life Sciences Concentration**

In addition to the successful completion of the liberal learning curriculum, students seeking a Bachelor of Science in computational and applied mathematics, biology and life sciences concentration, must successfully complete the following courses:

1. Minimum grade of C- in MATH 140 or 148 and 240;
2. MATH 250, 260, 320, 360, 440;
3. MATH 451 or MATH 499;
4. Select two: CPSC 270, PHYS 341, or any 300-400 level MATH (excluding 301W, 440, 451, 490 and 499). Recommended selections are CPSC 270, MATH 335 or 380;
5. CPSC 150/150L and either CPSC 250/250L or 255;
6. BIOL 211/211L, 213/213L, 313, and 326;
7. CHEM 121/121L, 122/122L.

Bachelor of Science degree, Computational and Applied Mathematics Major**Computational Chemistry Concentration**

In addition to the successful completion of the liberal learning curriculum, students seeking a Bachelor of Science in computational and applied mathematics, computational chemistry concentration, must successfully complete the following courses:

1. Minimum grade of C- in MATH 140 or 148 and 240;
2. MATH 250, 260, 320, 360, 440;
3. PHYS 201/201L and 202/202L;
4. MATH 451 or MATH 499;
5. Select two: CPSC 270, PHYS 341, or any 300-400 level MATH (excluding 301W, 440, 451, 490 and 499). Recommended selections are CPSC 270 and either MATH 335 or 380;
6. CPSC 150/150L and either CPSC 250/250L or 255;
7. CHEM 121/121L, 122/122L, 321/321L, 341, 342/342L;
8. CHEM 395 Computational Chemistry;

Bachelor of Science degree, Computational and Applied Mathematics Major**Economics Concentration**

In addition to the successful completion of the liberal learning curriculum, students seeking a Bachelor of Science in computational and applied mathematics, economics concentration, must successfully complete the following courses:

1. Minimum grade of C- in MATH 140 or 148 and 240;
2. MATH 250, 260, 320, 360, 440;
3. MATH 451 or MATH 499;
4. Select two: CPSC 270, PHYS 341, or any 300-400

level MATH (excluding 301W, 440, 451, 490 and 499). Recommended selections are CPSC 270, and either MATH 335 or 380;

5. CPSC 150/150L and either CPSC 250/250L or 255;
6. MATH 125 or 435;
7. ECON 201, 202, 485;
8. ACCT 201;
9. FINC 300;
10. Select three credits at the 300-400 level in ECON.
11. One sequence from the following list to satisfy the *University Bachelor of Science Degree Requirement*. No more than three lecture courses may be taken from the same discipline, and no more than two laboratory courses may be taken from the same discipline to satisfy the *University Bachelor of Science Degree Requirement* and the *Investigating the Natural World Area of Inquiry*.
 - BIOL 107, 108, 109L
 - BIOL 211/211L-212/212L
 - BIOL 211/211L-213/213L
 - CHEM 103/103L - 104/104L
 - CHEM 121/121L - 122/122L
 - PHYS 151/151L - 152/152L
 - PHYS 201/201L - 202/202L

Bachelor of Science degree, Computational and Applied Mathematics Major

Physics, Dynamics and Engineering Concentration

In addition to the successful completion of the liberal learning curriculum, students seeking a Bachelor of Science in computational and applied mathematics, physics, dynamics and engineering concentration, must successfully complete the following courses:

1. Minimum grade of C- in MATH 140 or 148 and 240;
2. MATH 250, 260, 320, 360, 440;
3. MATH 451 or MATH 499;
4. Select two: CPSC 270, PHYS 341, or any 300-400 level MATH (excluding 301W, 440, 451, 490 and 499). Recommended selections are CPSC 270, and either MATH 335 or 380;
5. CPSC 150/150L and either CPSC 250/250L or 255;
6. PHYS 201/201L, 202/202L, 303, 340;
7. Select one: CPEN 214, ENGR 211/211L, or 213;
8. Select three credits at the 300-400 level in PHYS or CPEN.

The Minor in Discrete Mathematics (19 credits)

To complete the minor in discrete mathematics, students must complete the following:

1. MATH 140 with a C- or higher;
2. MATH 245 and either MATH 235 or MATH 260 with a C- or higher;
4. Nine additional credits from the following list: MATH 330, MATH 345, MATH 370, MATH 373, MATH 375, MATH 390, or MATH 470.

The Minor in Mathematics (19-20 credits)

The minor in mathematics requires successful completion of the following:

1. MATH 140 or 148, with a C- or higher;
2. MATH 240 and 260, with a C- or higher;
3. MATH 245 or 250, with a C- or higher;
4. Six additional MATH credits at the 300- or 400-level.

Teacher Preparation in Mathematics

Those students who wish to become licensed teachers should apply to the five-year Master of Arts in Teaching (M.A.T.) program. Application to the program must be made in spring of the junior year. See the *Graduate Catalog* for application instructions and requirements. Students will earn either a **B.A. or B.S. in mathematics** after the first four years and then take an additional year of studies leading to an M.A.T. degree. The courses and degree requirements for the M.A.T. are found in the graduate catalog. Students accepted into this program must complete one of the following tracks for graduation with the bachelor's degree:

Elementary level (PK-6) Track

Major courses as required for the B.A. or B.S. in Mathematics.

Support courses required:

- ENGL 123, 223, 310 or 430, and 316;
- COMM 201 or THEA 230
- CPSC 110;
- MATH 109, 125;
- HIST 111, 121, 122;
- POLS 101;
- GEOG 210;
- PSYC 208, 312;
- SOCL 314/314L;
- BIOL 107 or 108; CHEM 103; PHYS 141; PHYS 105L or BIOL 109L;
- NSCI 310.

* Support courses may change based on regulations from the Virginia Department of Education.

Graduate courses* required (senior year):

Select six credits from a), b), or c):

- a) MATH 570;
- b) PSYC/TCHG 544;
- c) MLAN 511, ENGL 530.

Secondary level (6-12) Track: Math endorsement

Major courses as required for either the B.A. or the B.S. in Mathematics and MATH 378.

Support courses required:

- CPSC 110;
- MATH 125 and 378;
- PSYC 207 or 208 and 312;
- SOCL 314/314L;
- COMM 201 or THEA 230 .
- B.S. degree candidates must take PHYS 201- 202 with the accompanying laboratories.

Graduate courses* required (senior year):

- MATH 555, 538 or PSYC 544.

*See the graduate catalog for course descriptions.

The Praxis II exam should be taken soon after completing Math 125, 240, and 245.

THE CURRICULUM IN MATHEMATICS

MATH 109. Theoretical Foundations of Elementary School Mathematics (3-3-0)

Prerequisite: PSYC 207 or 208 or SOCL 314.

Spring.

Strongly recommended for prospective elementary school teachers, this course covers concepts and theories underlying fundamental mathematics. Topics include sets, logic, number sentences, introduction to number theory, number systems, intuitive geometry and measurement.

MATH 110. College Algebra (3-3-0)

Restricted to freshman standing or approval of the chair.

This course is designed for those students who intend to take MATH 130 or MATH 135 and do not have adequate algebra skills for these courses. Topics include real number properties, exponents, polynomial and rational expressions, equations and inequalities, functions, quadratic functions, and logarithms. Students may not receive credit for this course after receiving a grade of C- or higher in MATH 130, or any course numbered MATH 135 or higher.

MATH 115. Contemporary Mathematics (3-3-0) LLFM

Prerequisite: Through Algebra II in high school.

This course is designed to introduce the student to applications of mathematics, including finance, linear programming (optimization problems), systems of equations, and other topics. Students may not receive credit for this course after receiving a grade of C- or higher in any course numbered MATH 250 or higher.

MATH 120. The Saga of Mathematics (3-3-0) LLFM

Prerequisite: Through Algebra II in high school.

An introduction to the history of mathematics, concentrating on the period from the Greeks through the 19th century. This course shows the history and development of mathematics as a vital and integral part of the history of civilization, including the history of numbers and numerals, computation, geometry, algebra, trigonometry, calculus and modern mathematics.

MATH 125. Elementary Statistics (3-3-0) LLFM

Prerequisite: Through Algebra II in high school.

This course is a general survey of descriptive and inferential statistics. Topics include descriptive analysis of univariate and bivariate data, probability, standard distributions, sampling, estimation, hypothesis testing and linear regression. Students may not receive credit for this course after receiving a grade of C- or higher in MATH 435.

MATH 127. Elementary Cryptography (3-3-0) LLFM

This course examines elementary cryptographic methods, ranging from early Caesar cipher to modern day RSA encryption. Modular arithmetic and how it can be used for cryptographic methods is studied. Cryptanalysis of the resulting methods will also be studied. No previous experience with cryptography or the underlying mathematics is assumed. While not required, a laptop computer is beneficial in this class. Students may not receive credit for this course after receiving a grade of C- or higher in CPSC 428.

MATH 128. Introduction to Mathematical Programming (3-3-0) LLFM

This course will introduce the student to mathematical programming, in which researchers use a high-level programming language (e.g., Mathematica) to model, analyze, visualize and calculate numeric, geometric and symbolic data. In addition, it is designed for the student to take early so that he or she will have a powerful tool to use in subsequent courses in many disciplines. Specific topics include programming, logic, visualization, sets, sums, products, loops, substitution, patterns, and matrices.

MATH 130. Precalculus (3-3-0) LLFM

Prerequisite: Through Algebra II in high school.

Designed for the student planning to take calculus, MATH 140, but who has insufficient knowledge of analytic geometry, trigonometry, and functions. Topics include real numbers, inequalities, analytic geometry, linear and quadratic functions, polynomials and rational functions, trigonometry, and exponential and logarithmic functions. Students may not receive credit for this course after receiving a grade of C- or higher in any course numbered MATH 250 or higher.

MATH 131. Mathematics for the Life Sciences (3-3-0) LLFM

This course is intended for biology majors to satisfy the second half of the Mathematical Literacy requirement, as well as anyone with an interest in the life sciences. Topics will include: model building and parameter estimation through regression analysis of life tables and analysis of matrix population models. Concepts of growth rate, half-life and doubling time, elasticity, life expectancy, stable age distribution and reproductive value will be discussed. No specialized knowledge of biology is required.

MATH 135. Calculus for Business and Social Sciences (3-3-0) LLFM

Prerequisite: A minimum grade of C- in MATH 110 or 130 or an acceptable score on the Calculus Readiness Assessment.

An introduction to the calculus of functions arising in business and the social sciences. Exponential and logarithmic functions, differentiation, and integration. Modeling and applications will be stressed. Students may not receive credit for this course after receiving a grade of C- or higher in any course numbered MATH 250 or higher.

MATH 140. Calculus and Analytic Geometry (4-4-1) LLFM

Prerequisite: A minimum grade of C- in MATH 130 or an acceptable score on the Calculus Readiness Assessment.

An introduction to the calculus of elementary functions, continuity, derivatives, methods of differentiation, the Mean Value Theorem, curve sketching, applications of the derivative, the definite integral, the Fundamental Theorems of Calculus, indefinite integrals, and logarithmic and exponential functions. The software package *Mathematica* will be used.

MATH 148. Accelerated Calculus (3-3-0) LLFM

Prerequisite: An acceptable score on the Calculus Readiness Assessment and consent of Department Chair. Fall.

Accelerated version of MATH 140 for students who have been exposed to calculus in high school. Students cannot receive credit for MATH 148 after receiving a grade of C- or higher in MATH 140, or if grade of C- or higher has been earned in any course numbered 250 or higher or their equivalent.

MATH 195. Special Topics (3-3-0)

As needed.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

MATH 235. Applied Matrix Techniques (3-3-0)

Prerequisite: MATH 135; or 140 or 148, CPSC 125 or 150/150L.

Fall and as needed in Spring.

Topics in applied linear algebra such as systems of linear equations, Gaussian elimination, matrix algebra, determinants, Cramer's rule, eigenvalues and vectors. Also applications in some of these areas: linear programming, game theory, Markov chains, input/output models, graph theory, and genetics. A computer project may be required.

MATH 240. Intermediate Calculus (4-4-0)

Prerequisite: A minimum grade of C- in either MATH 140 or 148.

Techniques of integration, L'Hospital's Rule, application of integration, approximations, Taylor's Theorem, sequences and limits, series of numbers and functions, power series, and Taylor series. The software package *Mathematica* will be used.

MATH 245. Proofs and Discrete Mathematics (3-3-0) [Formerly MATH 310, equivalent]

Prerequisite: MATH 140 with a grade of C- or better.

Topics are presented so as to develop facility with methods of proof and mathematical argument. Topics will include logic, sets, binary relations, functions, elementary number theory, mathematical induction, and other topics at the discretion of the instructor.

MATH 250. Multivariable Calculus (3-3-0)

Prerequisite: A minimum grade of C- in MATH 240.

An introduction to the calculus of real-valued functions of more than one variable. The geometry of three-space, vector-valued functions, partial and directional derivatives, multiple and iterated integrals, and applications. The software package *Mathematica* will be used.

MATH 260. Linear Algebra (3-3-0)

Prerequisite: C- or higher in either MATH 240 or MATH 245.

Systems of linear equations, matrix operations, determinants, vectors and vector spaces, independence, bases and dimension, coordinates, linear transformations and matrices, eigenvalues and eigenvectors.

MATH 295. Special Topics (credits vary 1-3)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

MATH 301. WI: Writing in Mathematics I (1-1-0)

Prerequisite: ENGL 223, MATH 240 with a C- or higher and junior standing.

This course consists of multiple writing assignments, exposing students to various types of mathematical and technical writing. The mathematical typesetting language, LaTeX, is introduced and used throughout the course. This course partially satisfies the writing intensive requirement.

MATH 303. WI: Mathematics in Context (1-1-0)

Prerequisite: MATH 301 and at least one MATH course at 320 or higher with a C- or higher.

Through reading and writing assignments, students will consider the importance of audience and venue as it relates to effectively communicating mathematics results. Each course will have a particular mathematical focus. Students will be expected to complete a variety of mathematical and writing assignments. This course partially satisfies the writing intensive requirement.

MATH 320. Ordinary Differential Equations (3-3-0)

Prerequisite: A minimum grade of C- in MATH 240.

A first course in ordinary differential equations and their applications. Topics will include existence and uniqueness of solutions; techniques for the qualitative analysis of autonomous equations; the numerical and analytical methods, including the method of Laplace Transforms, for finding solutions for certain classes of equations.

MATH 330. Graph Theory and Combinatorics (3-3-0)

Prerequisite: A minimum grade of C- in MATH 245.

Spring, odd numbered years.

This course will emphasize the basic methods of enumeration, up to generating functions. It also will strive to apply learned counting methods to the central objects of combinatorics, such as permutations, graphs, and hypergraphs. If time permits, this course will cover some special topics that will provide the students with a closer view of research problems.

MATH 335. Applied Probability (3-3-0)

Prerequisite: A minimum C- in MATH 240, a minimum C- in at least one of MATH 128, CPSC 125, 130L or 150 Fall.

Elementary probability theory including combinatorics, distributions of random variables, conditional probability, and moment generating functions. An introduction to stochastic processes including such topics as Markov chains, random walks, and queuing theory. Case studies may be considered. Computer projects may be required.

MATH 345. Number Theory (3-3-0)

Prerequisite: A minimum grade of C- in MATH 245. Spring, even numbered years.

Topics include prime numbers, linear Diophantine equations, congruencies, theorems of Fermat, Wilson, and Euler, and numbers in other bases.

MATH 350. Vector Calculus (3-3-0)

Prerequisite: A minimum grade of C- in MATH 250. Spring, even numbered years.

An introductory course in differential and integral vector calculus. Topics include vector operations, gradients, divergence, curl, line integrals, Green's Theorem, Stokes' Theorem, Divergence Theorem, and applications.

MATH 355. Complex Variables (3-3-0)

Prerequisite: A minimum grade of C- in MATH 250. Spring, odd numbered years.

Introduction to the calculus of complex variables and its application to applied mathematics, physics and engineering. Topics include analytic functions, Cauchy-Reimann equations, residues and poles, and conformal mappings.

MATH 360. Real Analysis I (3-3-0)

Prerequisite: A minimum grade of C- in MATH 250 and 260. MATH 245 is recommended.

A first course in real analysis covering various topics including point-set topology, continuity, differentiability, the Riemann integral, sequences of functions, series of functions, Taylor and Fourier series, uniform continuity and uniform convergence.

MATH 365. Topology (3-3-0)

Prerequisite: A minimum grade of C- in MATH 245. Fall, even numbered years.

A first course in point-set topology. Topics include the definition of a topology, closed sets, continuous functions, convergence, metric spaces, connectedness, compactness, and separation axioms.

MATH 370. Modern Algebra I (3-3-0)

Prerequisite: A minimum grade of C- in MATH 245 and 260. Fall.

This is an introduction to binary operations and algebraic structures. Concentrating on group theory, topics include

abstract groups, abelian groups, permutation groups, homomorphisms and quotient groups. This is a proof-based course, stressing both concrete and theoretical concepts in algebra.

MATH 373. Coding and Information (3-3-0)

Prerequisite: A minimum grade of C- in one of MATH 245, MATH 260, or ENGR 213.

Spring, odd numbered years.

Error correcting codes are means of transmitting information over noisy channels that allow for limited correction without re-transmission. The course covers vector spaces over finited fields and progresses to a survey of error-correcting codes, emphasizing applications and decoding algorithms.

MATH 375. Linear Algebra and its Applications (3-3-0)

Prerequisite: A minimum grade of C- in MATH 260.

This course is a continuation of Math 260. Math 245 with a minimum grade of C- is recommended. While emphasizing theory, this course will include appropriate applications. Starting with a systematic study of general vector spaces over \mathbf{R} and \mathbf{C} , the course progresses to bilinear forms, inner product spaces, the Gram-Schmidt process, linear functionals, dual spaces and Eigentheory over \mathbf{R} and \mathbf{C} . Applications such as QR-decompositions, singular value decomposition, least squares and regression, Fourier series, and the Jordan canonical form will be covered as time allows.

MATH 378. Elementary Geometry from an Advanced Standpoint (3-3-0)

[Formerly MATH 578, equivalent]

Prerequisite: MATH 245 with a grade of C- or higher Spring.

This course compares and contrasts the origins, applications and basic structures of Euclidean and non-Euclidean geometry. Attention is given to ideas involved in teaching geometry.

MATH 380. Numerical Analysis I (3-3-0)

Prerequisite: A minimum grade of C- in MATH 240 and 260. Fall, odd numbered years.

A survey of numerical methods for scientific and engineering problems. Topics will include: rootfinding techniques, polynomial and spline interpolation, numerical differentiation and integration and the numerical solution of initial value problems for ordinary differential equations. Consideration will be given to theoretical concepts and to efficient computation procedure. Computer projects will be required.

MATH 390. Operations Research (3-3-0)

Prerequisite: A minimum grade of C- in MATH 260. Fall, even numbered years.

A study of the nature, scope, applications, and theoretical basis of operations research. The simplex algorithm, duality theory, applications of graph theory, and heuristic algorithms. Computer projects may be required.

MATH 395. Special Topics (credits vary 1-3)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

MATH 410. Advanced Ordinary Differential Equations (3-3-0)

Prerequisite: MATH 320.

Fall, even numbered years.

A second course in ordinary differential equations. Topics will be selected from: series solutions near singular points, systems of first-order linear equations, nonlinear differential equations and autonomous systems, equilibria and stability, bifurcations, existence and uniqueness theory, chaotic behavior, Sturm-Liouville theory, and numerical methods.

MATH 420. Partial Differential Equations (3-3-0)

Prerequisite: MATH 320 and 360.

Fall, odd numbered years.

Discussion of methods used in solving problems arising from continuous mathematical models. An introduction to partial differential equations. Additional topics may include: Sturm-Liouville Theory and qualitative theory of ordinary differential equations, transform methods, Green's functions, delay differential equations, special functions, and numerical methods.

MATH 435. Mathematical Statistics (3-3-0)

Prerequisite: MATH 335.

Spring, even numbered years.

A study of the nature, scope, and theoretical basis of methods of estimation, hypothesis testing, and statistical decision making. Descriptive statistics, quality of estimators and best tests, techniques of estimation and hypothesis testing, and regression analysis. Additional topics such as analysis of variance, non-parametric procedures, sampling techniques and MINITAB. Computer projects may be required.

MATH 440. Mathematical Modeling (3-3-0)

Prerequisite: MATH 320 and 360.

Spring.

Modeling and solution of some problems that arise in the sciences. Emphasis on development of appropriate models and an awareness of their domain of applicability.

MATH 451. Independent Learning Experience (1-1-0)

Prerequisite: either MATH 360 or 370.

Spring.

This course is designed to introduce students to techniques for effectively communicating mathematical reasoning and content and to provide students with the opportunity to demonstrate their ability to study some area of mathematics beyond what the student sees in the standard mathematics curriculum under faculty advisement. Students will perform independent reading of multiple sources and prepare small written summaries of each reading and will communicate

their findings both in the form of an oral presentation and a written report.

MATH 460. Real Analysis II (3-3-0)

Prerequisite: MATH 360.

Spring, odd numbered years.

This is a continuation of Math 360. Topics will include metric spaces, continuous functions on metric spaces, uniform convergence, power series, Fourier series, multi-variable differential calculus along with Lebesgue measure theory and Lebesgue integration.

MATH 470. Modern Algebra II (3-3-0)

Prerequisite: MATH 370.

Spring, even numbered years.

This course is a continuation of Math 370. Topics will include rings, fields, field extensions, and polynomial rings over fields. Additional topics may include Galois theory, unique factorization, principal ideal, Euclidean domains, and non-commutative examples.

MATH 490. Internship in Mathematics

Prerequisite: Mathematics major; CPSC 150/150L, MATH 360, nine semester hours in MATH at 300 or 400 level, 3.00 GPA in 300 and 400 level courses and internship director approval.

40 clock hours (60 minute hours) of scheduled, on-site time required for each semester hour of credit earned. Course may be repeated up to a maximum of three credits. A project-based experience in a private, governmental, or military organization that permits an intern to apply mathematics to a project of mathematical substance and gain appropriate experience in a mathematically-related employment environment. **This course is graded Pass/fail.**

MATH 495. Special Topics (credits vary 1-3)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

MATH 499. Independent Research (credits vary 1-3)

Prerequisite: Junior or senior standing and permission of the instructor and department chair.

Individual research on an approved subject may be taken for one to three credits.

MEDIEVAL AND RENAISSANCE STUDIES

Dr. Sharon M. Rowley, Director

McMurrin Hall 209

(757) 594-7024

srowley@cnu.edu

The Minor Program in Medieval and Renaissance Studies (18 credits)

We look back to the middle ages for the origins of contemporary Western civilization and the liberal arts, and to the early modern period to learn about western expansion, humanism and creativity. This minor brings together a dynamic set of courses across several departments, allowing students to explore the ways in which the legacies of medieval and early modern arts, history, literature and theater, as well as philosophical, theological and political thought have helped to shape our modern world.

Medieval and Renaissance Studies (MRST) minors will consider the world in which they live, as well as their place in that world, from a trans-historical and multi-disciplinary perspective. The MRST minor is open to all, but will appeal especially to students majoring in art, art history, English, government, history, modern and classical languages, music, philosophy, religious studies and theater.

Program Objectives:

1. To promote interdisciplinary and trans-historical study of Medieval and Renaissance literature, culture, language and history at CNU.
2. To encourage students to explore the richness and diversity of the arts and humanities through an investigation of the pre-modern periods of Western art, thought and civilization. This minor encourages students to think more broadly, historically and creatively about topics they are learning in their majors.

Program Requirements:

1. IDST 240 Medieval and Renaissance Perspectives
2. Select five electives from the MRST curriculum, from at least three different areas (history, art history, language, literature, philosophy, religion or theater); at least three courses must be at the 300-400 level.
3. Certain study abroad, special topics or independent study courses may count toward electives at the director's discretion.
4. Students should meet with the director for advising and course selection.

THE CURRICULUM IN MEDIEVAL AND RENAISSANCE STUDIES

IDST 240. Medieval and Renaissance Perspectives (3-3-0) [formerly MRST 200, equivalent] AIWT

An interdisciplinary and trans-historical course examining the cultures of medieval and early modern Europe. Students will learn about the foundations of western art, thought and culture: scholasticism, humanism and the Liberal Arts; Christianity, the Reformation and Islam; chivalry, feudalism and warfare; pandemic and plague; architecture and city-planning. These concepts will be studied through the lenses of medieval and early modern arts, literature, history, theater, philosophy and theology.

Core

IDST 240 Medieval and Renaissance Perspectives

Electives

CLST 201	The Mythic Imagination
ENGL 200	Literary Foundations I: Ancient-17th Century
ENGL 271	Arthurian Legend in Fiction and Film
ENGL 312	History of the English Language
ENGL 372	Early Modern British Literature
ENGL 373	Myth, Legend & Romance in Medieval Britain
ENGL 421	Shakespeare
FNAR 202	Survey of World Art II
FNAR 373	Italian Renaissance Art
FNAR 376	Medieval Art
FNAR 378	Baroque Art
FNAR 379	Northern Renaissance Art
FREN 351	Studies in the Early Modern Era
FREN 354	French Women Writers
GERM 311	German Cultural History
GERM 351	Studies in the Early Modern Era
HIST 111	Ancient & Medieval World
HIST 308	Tudor and Stuart Britain
HIST 313	British Empires, 1500-present
HIST 347	Atlantic World Encounters
HIST 379	Early Middle Ages
HIST 380	Later Middle Ages
HIST 415	The Byzantine Empire
HNRS 100	Quest for Camelot
HNRS 321	Myths of Transformation
LATN 200	Latin and Its Living Legacy
MUSC 303	History of Western Music I
PHIL 201	Ancient and Medieval Philosophy
PHIL 202	Modern Philosophy
PHIL 349	Islamic Philosophy
PHIL 451	The Great Philosophers
RSTD 212	Religions of the West
RSTD 312	Religion and the Arts
SPAN 351	Introduction to Latin American Literature I
SPAN 353	Introduction to Spanish Literature I
THEA 310	Theater History I

MIDDLE EAST AND NORTH AFRICA STUDIES

Dr. Hussam S. Timani, Co-Director
McMurrin Hall 258
(757) 594-7931
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Professor Diana Obeid, Co-Director
McMurrin Hall 105B
(757) 594-8225
diana.obeid@cnu.edu

The Minor in Middle East and North Africa Studies (18 credits)

The minor in Middle East and North Africa studies is an interdisciplinary program that provides a foundation of knowledge of Middle Eastern and North African history, politics, cultures, languages, religions, and peoples as well as enhances student understanding of European and American interactions with culturally diverse and politically important regions of the world. The Middle East and North Africa encompasses vast regions (from Morocco on the Atlantic Ocean to Iran on the Persian Gulf) with diverse cultures, languages, and ethnicities. The minor provides students with a framework to understand the development of the contemporary Middle East and North Africa against the background of a long and vibrant history and the diversity of the region's religions, ethnic groups and cultures.

Program Objectives

1. Promote a multi-disciplinary approach to the study of the Middle East and North Africa;
2. Introduce and enhance understanding of the history, cultures, politics, and religions of the Middle East and North Africa;
3. Encourage inter-cultural dialogue that could help bridge the divide between East and West; and
4. Provide a program that will formally document a student's concentrated study of the Middle East and North Africa.

Program Requirements

1. Core requirement: IDST 265.
2. ARAB 101, 102. Students may count another Middle Eastern language (Persian, Hebrew, Turkish) if they can provide documentation of accredited academic courses taken domestically or abroad. Native speakers may have this requirement waived at the discretion of the director.
3. One elective course (3 credits) at any level from the following approved list.
4. Three additional elective courses (9 credits) from the following approved list at the 300-400 level. Courses from three different disciplines must be represented in the 9 credits.
5. Certain independent study, special topics courses, and study abroad courses focusing on Middle Eastern topics may count toward the minor as determined by the director.

THE CURRICULUM IN MIDDLE EAST AND NORTH AFRICA STUDIES

IDST 265. Introduction to Middle East and North Africa Studies

This course focuses on the Middle East and North Africa as a complex cultural area. It explores the major intellectual, political, social and cultural issues and practices, concentrating on the Fertile Crescent, Egypt, Turkey, the Arabian Peninsula, and Iran. The course discusses major issues such as women and gender, regional conflicts, and religion and politics, among others placing them in the broader framework of the modern Middle East and addressing recent developments in the region and its outlook for the future. This course is required for students in the minor, but is open to all interested students.

Core

ARAB 101	Beginning Arabic I
ARAB 102	Beginning Arabic II
IDST 265	Introduction to Middle Eastern and North African Studies

Electives

ARAB 201	Intermediate Arabic I (or higher)*
ENGL 329	Modern Middle Eastern Literature
HIST 312	Ancient Egypt
HIST 365	History of Islam
HIST 375	History of Modern Middle East
HIST 376	Modern North Africa
HIST 403	Ancient Persia
HIST 479	De-colonizing the Middle East
MLAN 220	Gender in the Arab World
PHIL 349	Islamic Philosophy
POLS 322	Conflict and Peace Studies
POLS 329	International Human Rights
POLS 330	Middle Eastern Politics
POLS 338	Politics of Weapons Proliferation
POLS 380	Terrorism
POLS 410	Ethnic Conflict and Nationalism
RSTD 218	The Qur'an
RSTD 265	The Vision of Judaism
RSTD 270	The Vision of Islam
RSTD 361	Hebrew Bible

*if not used to fulfill requirement #3

Note: Special Topics courses in any of the disciplines will be considered as meeting the Middle East Studies minor requirements if content is applicable and approved by the program director.

DEPARTMENT OF MILITARY SCIENCE (ARMY ROTC)

LTC Dustin Menhart, Chair
Luter Hall 126
57 North Moores Lane
(757) 594-8496 or (757) 594-7851

Mission Statement

The mission of the Military Science Department is to educate, train, inspire, and commission graduates of Christopher Newport University who are leaders of character committed to the Army Values — Loyalty, Duty, Respect, Selfless Service, Honor, Integrity, and Personal Courage; to professional growth throughout a career as an officer in the United States Army, the Army National Guard, or the United States Army Reserve; and to a lifetime of selfless service to the Commonwealth and to the nation.

By participating in the Military Science program, a student can earn a commission as a Second Lieutenant in the Regular Army, Army Reserve, or National Guard while pursuing a degree. The Department of Military Science offers a general military science curriculum which enables a cadet to qualify for assignment into any one of the 15 branches of the Army. The Military Science Department is a joint program with the College of William & Mary. Classroom courses are taught at Christopher Newport University, and some field leadership training is conducted at sites such as Ft. Eustis, the Mariner's Museum, and in Matoaka Woods at the College of William and Mary.

What ROTC Offers:

1. A maximum of \$4,500 - \$5,000 in subsistence allowance money to each cadet during his/her junior and senior years.
2. A commission as a Second Lieutenant in the United States Army.
3. A job opportunity in a leadership position with a starting salary and allowances of \$44,600 per year, increasing to \$73,700 in four years, or an opportunity to serve in the Army Reserve or National Guard.
4. Extensive leadership and management courses, which are applicable both to civilian industry and military service.
5. An opportunity to participate in leadership and confidence-building activities as land navigation, adventure training, marksmanship, field training exercises, and physical training.

Scholarships

Two-year, three-year and four-year Army ROTC scholarships are available on a competitive basis. College freshmen and sophomores may apply for three- and two-year scholarships. Four-year scholarships are available only to high school seniors. ROTC scholarships pay for:

- Full Tuition and fees per academic year
- Books - \$450 per semester
- Tax-free subsistence allowance - \$300-\$500 per month

Books and Uniforms

The Department of Military Science provides required uniforms and equipment. The department also provides course materials and texts to students free of charge for MLSC 101,102, 201, and 202.

Graduate Studies

Newly commissioned officers may apply for delayed entry into active duty to pursue graduate degrees in recognized fields.

Requirements for Commissioning

The Department of Military Science offers two, three, and four year programs that will qualify students for commissioning as a Second Lieutenant in the United States Army. General Requirements for commissioning include:

1. Completion of Military Science and Leadership Basic Course.
 - a. **Four-Year Program.** Complete MLSC 101/101L, 102/102L, 201/201L, 202/202L during the freshman and sophomore years.
 - b. **Three-Year Program.** Students who have less than four years to graduate and are accepted into the Military Science and Leadership program after their first term can complete the MLSC 100-level courses simultaneously with the MLSC 200-level courses as determined by the Professor of Military Science & Leadership.
 - c. **Two-Year Program.** Either prior military service, three years of Junior ROTC or attendance to the four-week ROTC Leader Training Course during the summer (between the sophomore and junior years) will provide placement credit for the ROTC Military Science and Leadership Basic Course.
2. Completion of Military Science and Leadership Advanced Course.
 - a. Complete MLSC 301/301L and MLSC 302/302L during the junior year.
 - b. Attend a six-week ROTC Leadership Development and Assessment Course during the summer between the junior and senior years or following the senior year.
 - c. Complete MLSC 401/401L and MLSC 402/402L during the senior year.
3. Completion of HIST 351 or HIST 355. These courses are taught by the University's Department of History.

Requirements for Enrollment

Any full-time freshman or sophomore student who is physically qualified and not already holding a commission in any armed forces may enroll in the Basic Military Science and Leadership program. Those meeting the above qualifications, but who have had prior military experience in the armed forces, ROTC in another college, or in junior ROTC in high school, should consult the Department of Military Science. Entrance into the Advanced Course (300- and 400-level) is based upon the following:

- Satisfactory completion of the Basic Course, Leader Training Course, advanced placement due to prior military service, or three years of JROTC;
- Successful completion of an Army physical examination;
- Execution of appropriate loyalty statements and contractual agreements;
- Satisfactory completion of the appropriate screening tests; and
- Selection by the Professor of Military Science.

Obligations

A student incurs no obligation to the military by participating in freshman or sophomore Military Science and Leadership courses (MLSC 100- and 200-level courses). These courses offer a student the opportunity to evaluate the prospect of military service and to qualify for the Advanced Course beginning in the junior year. When a cadet enters the Advanced Course, he or she contracts for eight years as described below and is obligated to accept a commission as a Second Lieutenant in the United States Army upon graduation.

Active Duty/Reserve Forces Duty

All commissioned officers incur an initial eight-year obligation. ROTC cadets have a choice of requesting Active Duty or Reserve Forces Duty. The difference between the two options is listed below:

1. Active Duty. The first four years are served on active duty, with the remaining four years served in the Reserves.
2. Reserve Forces Duty (Army National Guard or U.S. Army Reserve). Newly commissioned officers may enter active duty for approximately 90 days to attend a branch-specific Officer Basic Course and serve out the remainder of their eight year obligation in the Reserves while pursuing a civilian career. Cadets may choose to guarantee this option prior to entrance into the junior year.

The Minor Program in Military Science (18 credits)

The minor in military science offers contracted cadets in CNU's ROTC program the opportunity to add integrated inquiry in the fields of history, American studies, government, and leadership studies to their academic curriculum in military sciences. This minor provides a broader liberal arts perspective to help prepare graduates for positions of responsibility and for advancement opportunities in military and civilian careers.

Program Objectives:

1. To provide a structured inquiry of military operations, military history, organizational processes and leadership.
2. To provide a liberal arts perspective by investigating interrelated knowledge in history, government, American studies, and leadership studies that extends beyond the core required military science courses.
3. To provide the opportunity to ROTC students to earn a minor that will distinguish them and have a potential advantage for promotion consideration in military and civilian careers.

Program Requirements:

1. MLSC 301, 302, 401, 402.
2. Select two courses (6 credits):
 - AMST 100, 300, 330, 340;
 - HIST 351, 355;
 - LDSP 330;
 - POLS 323, 388, 380.

The following course descriptions appear in appropriate sections throughout the catalog.

Core

MLSC 301	Adaptive Team Leadership
MLSC 302	Leadership in Changing Environments
MLSC 401	Developing Adaptive Leaders
MLSC 402	Leadership in a Complex World

Electives

AMST 100	Formation of Democratic Life
AMST 300	America's Global Influence
AMST 330	Treason in America
AMST 340	America at Sea
HIST 351	U.S. Military History
HIST 355	Civil War and Reconstruction
LDSP 330	Cross-Cultural Leadership
POLS 323	American Foreign Policy
POLS 338	Politics of Weapons Proliferation
POLS 380	Terrorism

THE CURRICULUM IN MILITARY SCIENCE

MLSC 101. Leadership and Personal Development (2-2-0)

Corequisite: MLSC 101L.

Fall.

Introduces students to issues and competencies that are central to a commissioned officer's responsibilities. Establishes framework for understanding officership, leadership, and Army values followed and "life skills" such as physical fitness and time management. The MLSC 101 course is designed to support recruiting and retention of cadets by giving them accurate insight into the army profession and the officer's role within the Army.

MLSC 101L. Leadership Lab (1-0-2)

Corequisite: MLSC 101.

MLSC 102. Introduction to Tactical Leadership (2-2-0)

Corequisite: MLSC 102L.

Spring.

Overviews leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. You will explore dimensions of leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises.

MLSC 102L. Leadership Lab (1-0-2)

Corequisite: MLSC 102.

MLSC 201. Innovative Team Leadership (2-2-0)

Prerequisite: MLSC 101/101L, 102/102L or equivalent.

Corequisite: MLSC 201L.

Fall.

Explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework. Aspects of personal motivation and team building are practiced by planning, executing and assessing team exercises and participating in leadership labs. The focus continues to build on developing knowledge of the leadership values and attributes through understanding Army rank, structure, and duties as well as broadening knowledge of land navigation and squad tactics. Case studies will provide a tangible context for learning the Soldier's Creed and Warrior Ethos as they apply in the contemporary operating environment.

MLSC 201L. Leadership Lab (1-0-2)

Corequisite: MLSC 201.

MLSC 202. Foundations of Tactical Leadership (2-2-0)

Prerequisite: MLSC 201/201L. Corequisite: MLSC 202L.

Spring.

Examines the challenges of leading tactical teams in the complex contemporary operating environment (COE). This course highlights dimensions of terrain analysis, patrolling, and operation orders. Continued study of the theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations. Cadets develop greater self awareness as they assess their own leadership styles and practice communication and team building skills. COE case studies give insight into the importance and practice of teamwork and tactics in real-world scenarios.

MLSC 202L. Leadership Lab (1-0-2)

Corequisite: MLSC 202.

MLSC 301. Adaptive Team Leadership (3-3-0)

Prerequisite: MLSC 202/202L. Corequisite: 301L.

You are challenged to study, practice, and evaluate adaptive team leadership skills as you are presented with the demands of the ROTC Leader Development and Assessment Course (LDAC). Challenging scenarios related to small unit tactical operations are used to develop self awareness and critical thinking skills. You will receive systematic and specific feedback on their leadership abilities.

MLSC 301L. Leadership Lab (1-0-2)

Prerequisite: MLSC 202/202L; or equivalent. Corequisite: MLSC 301.

MLSC 302. Leadership in Changing Environments (3-3-0)

Prerequisite: MLSC 301/301L. Corequisite: MLSC 302L.

Spring.

You will be challenged to study, practice, and evaluate adaptive leadership skills as you are presented with the demands of the ROTC Leader Development Assessment Course (LDAC). Challenging scenarios related to small unit tactical operations are used to develop self awareness and critical thinking skills. You will receive systematic and specific feedback on your leadership abilities. Leadership Lab concentrates on general military subjects directed toward the reinforcement of military skills and the development of new skills required for Advanced Camp.

MLSC 302L. Leadership Lab (1-0-2)

Prerequisite: MLSC 301/301L. Corequisite: MLSC 302.

MLSC 401. Developing Adaptive Leaders (3-3-0)

Prerequisite: MLSC 302/302L. Corequisite: MLSC 401L.

Fall.

Develops student proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates.

You are given situational opportunities to assess risk, make ethical decisions, and lead fellow ROTC cadets. Lessons on military justice and personnel processes prepare you to make the transition to becoming Army officer. During the MSL IV year you will lead cadets at lower levels. Both your classroom and battalion leadership experiences are designed to prepare you for your first unit of assignment. You will identify responsibilities of key staff, coordinate staff roles, and use battalion operations situations to teach, train, and develop subordinates.

MLSC 401L. Leadership Lab (1-0-2)

Prerequisite: MLSC 302/302L. Corequisite: MLSC 401.

MLSC 402. Leadership in a Complex World (3-3-0)

Prerequisite: MLSC 401/401L. Corequisite: MLSC 402L.

Spring.

Explores the dynamics of leading in the complex situations of current military operations in the contemporary operating environment (COE). You will examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. You also explore aspects of interacting with non-government organizations, civilians on the battlefield, and host nation support. The course places significant emphasis on preparing you for BOLC II and III, and your first unit of assignment. It uses case studies, scenarios, and “What Now, Lieutenant?” exercises to prepare you to face the complex ethical and practical demands of leading as a commissioned officer in the United States Army. Prepares student for the transition to a career as an Army Officer.

MLSC 402L. Leadership Lab (1-0-2)

Prerequisite: MLSC 401/401L. Corequisite: MLSC 402.

DEPARTMENT OF MODERN AND CLASSICAL LANGUAGES AND LITERATURES

Dr. Laura Deiulio, Chair
McMurran Hall 105
(757) 594-7062
ldeiulio@cnu.edu

Faculty

Distinguished Professor: Padilla

Associate Professor: Adamitis, Buszard, Deiulio, Miller, Mulryan, Pollio, Velardi

Assistant Professor: Finley, R. Gordon, Larson, J. M. Smith, Varo Varo

Lecturer: Davis, McInnis, Motta, Seuchie, Valdez

Instructor: Obeid

Emeriti: Reppen, St. Onge

Mission Statement

Our degree programs require students actively to engage with world cultures--both ancient and modern—primarily through the rigorous study of language, which empowers our students to contemplate these cultures with unique insight by progressing beyond a reliance on English descriptions and equivalencies. Students of modern languages hone their linguistic skills by speaking, reading, writing, and listening to the target language; in upper-level classes they apply these linguistic skills to analyzing literature and culture. Students of Greek and Latin focus on reading and interpreting ancient literature, supporting this reading with the study of ancient social history and material culture. All students have opportunities to study abroad as part of their coursework. They also conduct research and develop their capacity for critical thinking, public speaking, and polished writing—the essential tools for professional success in any field. Upon completing our curriculum, students have acquired a more global perspective by deepening their understanding of one or more non-U.S. cultures.

The Program

The Department of Modern and Classical Languages and Literatures offers courses and programs that are designed to teach students to understand a foreign language; to develop skills in speaking, reading, and writing as appropriate; and to promote understanding and appreciation of foreign cultures and literatures. The department also helps students to prepare for advanced graduate and professional degrees, the teaching professions, the domestic and international business world, government work, social work, careers in science and medicine, and work in and relating to the fine and performing arts. Thus, modern and classical languages and literatures are both an integral part of the liberal arts program and of many different career-oriented programs at the University. The department offers the Bachelor of Arts with majors in classical studies, French, German, and Spanish. Also available are teacher education programs in Spanish and TESOL, and minor programs in Asian studies, classical studies, Greek

studies, international culture and business, Latin American studies, middle eastern and north African studies, French, German, Latin and Spanish.

Foreign Language Placement Recommendations

General Language Policies

1. Students who demonstrate proficiency at one level may not take a lower-level course for credit without the permission of the Department.
2. Native speakers of languages other than English may not receive credits for 100-level courses or 300-level conversation courses in the native language.

Second Language Literacy Requirement

All CNU students must successfully complete one course (three credits) in a modern or classical language at the 200 level or higher, or the equivalent, in order to graduate.

Satisfying the Second Language Literacy Requirement

Students are strongly encouraged to complete the requirement during the freshman or sophomore year. The requirement may be satisfied in one of several ways:

1. Completion of a three-credit 200-level course or higher at CNU (see below for placement recommendations);
2. Receipt of transfer credits for a three-credit 200-level course or higher in a second language from an accredited institution;
3. Three credits earned in a second language at the 200-level or above through the Advanced Placement Exam or International Baccalaureate exams;
4. Receipt of an A or AS on the Cambridge Advanced Standing Exams in a second language (no credit will be awarded).

Exemptions from the Second Language Literacy Requirement

Native speakers of languages other than English and students who completed three or more years of high school instruction in a language not taught at CNU may be exempted from the requirement by providing documentation for one of the following (no credit will be awarded):

1. Completion of a secondary program of instruction in a language other than English; the language of instruction must be specified in the documentation;
2. Successful completion of a 200-level waiver exam administered by the Department of Modern and Classical Languages and Literatures for native speakers of languages offered at CNU;

3. A score of Intermediate-Low or higher on the Oral Proficiency Interview in the target language administered by Language Testing International for native speakers of languages that are not offered at CNU and students who completed three or more years of high school instruction in a language not taught at CNU; testing costs are to be paid by the student.
4. A score of 3 or higher on the ASLPI administered by Gallaudet University for students who completed three or more years of high school instruction in American Sign Language; testing costs are paid by the student.

If you meet one of these four criteria, you should contact the Chair of the Department of Modern and Classical Languages and Literatures (MCM 105) as soon as possible, but no later than the semester prior to graduation.

Placement Recommendations

These recommendations are based on years of high school (9th-12th grade) experience with grades of C- or higher.

- *1 year:* take 101, 102 and 200 (satisfy requirement only) or 201 (majors and minors) in sequential order
- *2 years:* take 102 and 200 (satisfy requirement only) or 201 (majors and minors) in sequential order
- *3 years:* take either 200 (satisfy requirement only) or 201 (majors and minors)
- *4 years:* take any course numbered 301-308

Students are strongly encouraged to complete the requirement during the freshman or sophomore year. Students who have not studied their second language for two or more years should consult with the MCLL Chair regarding appropriate placement.

The Bachelor of Arts degree in Foreign Languages and Literatures

The Bachelor of Arts degree in foreign languages and literatures may be taken with a major in classical studies, French, German, or Spanish.

Graduation Requirements

In order to graduate, an MCLL student must have successfully completed all requirements listed for his or her individual major with a grade of C- or higher, the liberal learning curriculum, and the exit examination in the major.

Native speakers of French, German, and Spanish who choose to major in their native language may *not* register for 300- or 400-level conversation courses but may substitute any other 300- or 400-level elective course to complete the required number of hours for the B.A. in foreign languages and literatures.

No student may present more than twelve hours of topics credit or six hours of independent study credit toward the major program.

The Bachelor of Arts degree in Foreign Languages and Literatures

Classical Studies Major

Students wishing to pursue a major in classical studies may choose one of two concentrations: classical studies or classical languages. In addition to requiring successful completion of the liberal learning curriculum, the major in classical studies requires successful completion of all required courses and electives with no grades below C-. Students who declare one concentration and wish to move to the other should consult with the department chair.

Concentration in Classical Studies

1. CLST 101, 201, 211 and 212;
2. Select seven courses (21 credits) from the following list, at least 15 credits in CLST, six credits at the 400-level:
 - CLST 301, 302, 311, 312, 313, 414, 415;
 - POLS 340, 357;
 - HIST 301, 302, 303, 312, 403, 415.
3. Select one course (3 credits), unless used to satisfy requirement 1 or 2 above:
 - any CLST, GREK, LATN course; COMM 249, FNAR 201, POLS 340 or 357, HIST 301, 302, 303, 312, 403, 415; PHIL 201.

Concentration in Classical Languages

1. Select eight LATN courses (24 credits), of which three courses must be at the 300-level and one course at the 400-level;
2. Select four courses (12 credits) in CLST, GREK, or LATN.

The Minor in Classical Studies (18 credits)

The classical studies minor is not available to majors with a concentration in classical studies. The curriculum, with no grades below C-, is as follows:

1. CLST 101 or 103;
2. Select three courses (9 credits) in CLST at or above the 200-level;
3. Select two electives (6 credits) at or above the 200-level from: Any CLST; COMM 249; FNAR 201; POLS 340, 357; HIST 301, 302, 303, 312, 403, 415; PHIL 201.

The Minor in Greek Studies (21 credits)

The curriculum for the Greek studies minor, with no grades below C-, is as follows:

1. GREK 101, 102, 201;
2. Select four courses (12 credits) from: CLST 201, 211, 271, 301, 302, 311; HIST 301, 403.

The Minor in Latin (18 credits)

The Latin minor is not available to majors with a concentration in classical languages. The curriculum, with no grades below C-, is as follows:

1. Select four courses (12 credits) in LATN at the 200-level or above;
2. Select two electives (6 credits) from the following: CLST 212, 272, 302, 312, 415; HIST 302, 303; any LATN at the 300-level or higher.

The Bachelor of Arts degree in Foreign Languages and Literatures

French Major

In addition to requiring successful completion of the liberal learning curriculum, the major in French requires successful completion, with no grades below C-, of :

Modern Languages Core:

1. Select one: MLAN 203, 205, 206, or 207;
2. MLAN 310W and 490W.

Major and Elective Studies:

3. Select two: FREN 301, 303, 314;
4. Select FREN 302 or 308 (except native speakers who choose a 300-400 level FREN elective);
5. FREN 310, 351 and 352;
6. Select one (3 credits): FREN 390, 353, 354;
7. Select 6 credits from MLAN 308 or FREN courses at the 300-level or higher that have not been used to satisfy one of the above requirements.

Students interested in pursuing an M.A.T. in French or other graduate study are strongly advised to take an additional foreign language through the 202 level.

The Minor in French (21 credits)

The minor program in French consists of the following courses, with no grades below C-:

1. Select two courses (6 credits) in FREN at the 200-level or above;
2. Select four courses (12 credits) in FREN at the 300-level or above;
3. Select MLAN 308 or an additional FREN course at the 300-level or above.

No specific French courses are required for the minor in French.

The Bachelor of Arts degree in Foreign Languages and Literatures

German Major

In addition to requiring successful completion of the liberal learning curriculum, the major in German requires successful completion, with no grades below C-, of:

Modern Languages Core:

1. Select one: MLAN 203, 205, 206, or 207;
2. MLAN 310W and 490W.

Major and Elective Studies:

3. GERM 301, 303, 311, and 312;

4. Select one: GERM 302 or 308 (except native speakers who choose a 300-400 level GERM elective);
5. Select one (3 credits): GERM 351, 352;
6. Select 9 credits from MLAN 308 or any GERM courses at the 300 level or higher that have not been used to satisfy one of the above requirements.

Students interested in pursuing graduate study or teaching licensure in German are strongly advised to take an additional foreign language through the 202 level.

The Minor in German (21 Credits)

The minor program in German consists of the following courses, with no grades below C-:

1. Select two courses (6 credits) in GERM at the 200-level or above;
2. Select four courses (12 credits) in GERM at the 300-level or above;
3. Select MLAN 308 or an additional GERM course at the 300-level or above.

No specific German courses are required for the minor in German.

The Bachelor of Arts degree in Foreign Languages and Literatures

Spanish Major

In addition to requiring successful completion of the liberal learning curriculum, the major in Spanish requires successful completion, with no grades below C-, of :

Modern Languages Core:

1. Select one: MLAN 203, 205, 206, or 207;
2. MLAN 310W and 490W.

Major and Elective Studies:

3. Select two: SPAN 301, 303, 314, or 321;
4. Select one: SPAN 302, or 308 (except native speakers who choose a 300-400 level SPAN elective);
5. Select two: SPAN 351, 352, 353, 354;
6. Select one (3 credits): SPAN 471, 472, 473;
7. Select 9 credits from MLAN 308 or any SPAN courses at the 300 level or higher that have not been used to satisfy one of the above requirements.

Students interested in pursuing an MAT in Spanish or other graduate study are strongly advised to take an additional foreign language through the 202 level and multiple SPAN courses at the 400-level.

The Minor in Spanish (21 credits)

The minor program in Spanish consists of the following courses, with no grades below C-:

1. Select two courses (6 credits) in SPAN at the 200-level or above;
2. Select four courses (12 credits) in SPAN at the 300-level or above;

3. Select MLAN 308 or an additional SPAN course at the 300-level or above.

No specific Spanish courses are required for the minor in Spanish.

TEACHER PREPARATION PROGRAMS

Teacher Preparation in Spanish

Those students who wish to become teachers should apply to the five-year Master of Arts in Teaching (M.A.T.) program. Application to the program must be made in spring of the junior year. See the *Graduate Catalog* for application instructions and requirements. Students will earn a **B.A. in Foreign Languages and Literatures, Spanish major** after the first four years and then complete an additional year of study leading to an M.A.T. degree. Students majoring in Spanish or other classical or modern languages and literatures can prepare to teach elementary school, pre-kindergarten through grade six, all core subjects, or elementary through secondary school, grades pre-kindergarten through 12, in the content area of Spanish. The courses and degree requirements for the M.A.T. are found in the graduate catalog. Students accepted into this program must complete one of the following tracks for graduation with the bachelor's degree:

Elementary level (PK-6) Track

Major / concentration courses required:

See requirements for the B.A. in Foreign Languages and Literatures.

Support courses required:

- ENGL 123, 223, 310 or 430, and 316;
- COMM 201 or THEA 230
- CPSC 110;
- MATH 109, 125;
- HIST 111, 121, 122;
- POLS 101;
- GEOG 210;
- PSYC 208, 312;
- SOCL 314/314L;
- BIOL 107 or 108; CHEM 103; PHYS 141; PHYS 105L or BIOL 109L;
- NSCI 310.

* Support courses may change based on regulations from the Virginia Department of Education.

Graduate courses* required (senior year):

Select two: MLAN 511 or ENGL 530, MATH 570; PSYC/TCHG 544.

Elementary/Secondary level (PK-12) Track: Spanish Endorsement

Major courses required:

Student must complete the requirements for the B.A. in Foreign Languages and Literatures, Spanish major.

Support courses required:

ENGL 123 and 223; PSYC 207 or 208 and 312; SOCL 314/314L; MATH 125; COMM 201 or THEA 230; CPSC 110.

Graduate courses* required (senior year):

Select two: MLAN 511, MLAN 570; PSYC/TCHG 544.

* See the graduate catalog for course descriptions.

Teacher Preparation in English as a Second Language (ESL)

Those students who wish to become licensed teachers of ESL should apply to the five-year Master of Arts in Teaching program. Students will earn a **Bachelor of Arts or Bachelor of Science degree** during the first four years and then take an additional year of studies leading to an M.A.T. degree. Students completing this program are licensed to teach pre-kindergarten through grade 12. Application to the program must be made in spring of the junior year. See the *Graduate Catalog* for application instructions and requirements.

Major courses required:

Any B.A. or B.S. degree in a liberal arts or science major is acceptable for this program, but the B.A. in English is recommended.

Support courses required:

MATH 125; COMM 201 or THEA 230; CPSC 110; PSYC 207 or 208 and 312; SOCL 314/314L; ENGL 123, 223, 310 and 430; SOCL 330 or MLAN 308; MLAN 311; LANG through 202 (Spanish recommended).

Graduate courses* required (senior year):

Select two: MLAN 570, PSYC 521 or PSYC 535.

* See the graduate catalog for course descriptions.

THE CURRICULUM IN ARABIC

ARAB 101. Beginning Arabic I (3-3-0)

This course is designed to introduce students to the Modern Standard Arabic (MSA) Language and cultures of the Arabic-speaking world. The course is a combination of lecture, discussion, exercises and communicative language activities.

ARAB 102. Beginning Arabic II (3-3-0)

Recommended prerequisite: ARAB 101, or two years of high school Arabic, or consent of instructor. Students with three or more years of high school Arabic are encouraged to take ARAB 201.

ARAB 102 is a continuation of ARAB 101. This course is designed to continue to introduce students to the Modern Standard Arabic (MSA) Language and cultures of the Arabic-speaking world. The course is a combination of lecture, discussion, exercises and communicative language activities.

ARAB 201. Intermediate Arabic I (3-3-0)

Recommended prerequisite: ARAB 102, or three years of

high school Arabic, or consent of instructor.

ARAB 201 will focus on the mastery of grammar, including more complex structures, acquisition and expansion of vocabulary, and the development of reading, writing, listening, and speaking skills. These objectives are achieved through intensive oral/aural practice using audio and video materials.

ARAB 202. Intermediate Arabic II (3-3-0)

Recommended prerequisite: ARAB 201, or three years of high school Arabic, or consent of instructor.

Intermediate Arabic II will focus on the mastery of grammar, including more complex structures, acquisition and expansion of vocabulary, and the development of reading, writing, listening, and speaking skills. These objectives are achieved through intensive oral/aural practice using audio and video materials.

THE CURRICULUM IN CHINESE

CHIN 101. Beginning Chinese I (3-3-0)

As an introduction to Mandarin Chinese for non-native speakers, this course focuses above all on the fundamental language skills of oral expression and listening comprehension. Following presentation of the sounds of Mandarin and of the Pinyin system of Romanization, students will work to acquire a vocabulary of some 1000 common words and expressions, a knowledge of the basic grammatical rules and patterns of Mandarin, and a familiarity with pertinent aspects of Chinese culture. Given this communicative emphasis, instruction in the Chinese script is deferred to Chinese 102.

CHIN 102. Beginning Chinese II (3-3-0)

Recommended prerequisite: CHIN 101, or two years of high school Chinese, or consent of instructor. Students with three or more years of high school Chinese are encouraged to take CHIN 201.

Focus in this course continues to be upon spoken communication in Mandarin Chinese. Chinese 102 supplements continued study of essential vocabulary and syntax with an introduction to the Chinese writing system, with emphasis upon the readily acquired skill of reading comprehension rather than upon rote reproduction of individual characters. By completion of the 101/102 sequence, students can expect to have gained a basic competence in spoken Mandarin, the ability to read and comprehend elementary texts, and an acquaintance with a range of relevant cultural phenomena.

CHIN 201. Intermediate Chinese I (3-3-0)

Recommended prerequisite: CHIN 102, or three years of high school Chinese, or consent of instructor.

CHIN 201 is for those students who wish to continue to learn Mandarin Chinese at the intermediate level.

CHIN 202. Intermediate Chinese II (3-3-0)

Recommended prerequisite: CHIN 201, or three years of high school CHIN, or consent of instructor.

CHIN 202 is for those students who wish to continue their study of intermediate Mandarin Chinese.

CHIN 302. Chinese Conversation and Comprehension (3-3-0)

Recommended prerequisite: CHIN 202, or four or more years of high school CHIN, or consent of instructor.

CHIN 302 is a course in conversational Mandarin Chinese. Instructional focus is on the skills of Mandarin listening and speaking as well as communicative competence in real-world conversational interactions and situations. The class is organized into twelve week-long units that focus upon a particular topic pertaining to Chinese society and culture. Taught in Chinese. *This course is repeatable once for a total of six credits.*

CHIN 314. Business Chinese (3-3-0)

Recommended prerequisite: CHIN 202, or four or more years of high school CHIN, or consent of instructor.

CHIN 314 is an introduction to Mandarin Chinese as employed in the business environment. Instruction incorporates speaking, listening, reading and writing, with focus on communicative competence in real-world business situations. Taught in Chinese.

THE CURRICULUM IN CLASSICAL STUDIES

The following courses do not require knowledge of Latin or Greek and are conducted entirely in English.

CLST 101. Classical Roots of American Culture (3-3-0) AIWT

In this course, students will consider the impact of classical literature, art, and architecture on American culture from Colonial times to the Antebellum Era.

CLST 103. The Ancient World in Film (3-3-0) AICE [Formerly CLST 307, not equivalent]

This course explores ways in which modern cinema (mis)appropriates the ancient world, especially Greece and Rome. Topics vary by instructor.

CLST 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

CLST 201. The Mythic Imagination (3-3-0) AIWT

This course provides a thorough introduction to the principal myths of classical antiquity. Students will analyze the significance of ancient myth from a variety of interpretive perspectives and consider the influence of Greco-Roman culture upon western civilization as a whole, paying particular attention to the use of mythic themes in later art, literature, and cinema.

CLST 211. Ancient Athens (3-3-0) AIWT

This course examines ancient Greek culture, specifically in the fifth-century Athenian democracy, primarily through the analysis of literature, art and architecture. Students will also explore the legacy of ancient Greece in the western world.

CLST 212. Roman Culture (3-3-0) AIWT

This course examines ancient Roman culture primarily through the analysis of literature, art and architecture. Students will also explore the legacy of ancient Rome in the western world.

CLST 271. Creative Expressions in Ancient Greece (3-3-0) AICE

This study abroad course examines the culture of ancient Greece. Activities include lectures and site and museum tours. *This course is repeatable for credit.*

CLST 272. The Roman Empire: Architecture and Ideology (3-3-0) AICE

This study abroad course offers students an introduction to ancient Roman architecture in its original cultural context.

CLST 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

CLST 301. Ancient Greek and Roman Theater (3-3-0) AIWT

Prerequisite: ENGL 223.

This course focuses on the interpretation and analysis of ancient Greek and Roman dramas in their original cultural and performative contexts. Students will also explore the legacy of ancient drama in the western world.

CLST 302. Ancient Epic (3-3-0) AIWT [Formerly CLST 202, not equivalent]

Prerequisite: ENGL 223.

In this course, students will read Homer's *Iliad* and *Odyssey* and Vergil's *Aeneid* in their entirety; for each poem, students will consider the literary and historical background, cultural significance, and central themes.

CLST 311. Ancient Greek Art (3-3-0) AICE

Prerequisite: ENGL 223.

The course will examine the art and architecture produced in Greece and the Greek world from the Early Bronze Age (beginning ca. 3000 B.C.) through the Hellenistic Period, paying special attention to the major developments in ceramics, sculpture, architecture, and 'minor' arts that shaped what we now call ancient Greek civilization.

CLST 312. Ancient Roman Art (3-3-0) AICE

Prerequisite: ENGL 223.

The course will examine the art and architecture produced in Italy and the Roman world from the Iron Age (beginning

ca. 900 B.C.) to the fifth century A.D., paying special attention to the major developments in ceramics, sculpture, architecture, and 'minor' arts that shaped what we now call ancient Roman civilization.

CLST 313. Sex and Gender in Ancient Greece and Rome (3-3-0) AIWT

Prerequisite: ENGL 223.

This course will introduce students to the world of Greek and Roman women. Students will examine literary representations of women – their goals and strategies, motives and choices, personal and social concerns – and evaluate their experiences within the context of the historical documents of antiquity and in the light of contemporary values. Topics for consideration include personal identity, social constructs, gender, sexuality, religion and politics.

CLST 395. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. Although students may take this course multiple times, there is a maximum 12 topics credit hours that may be presented for graduation.

CLST 414. Dictators, Demagogues, and Decline (3-3-0) AIWT [Formerly CLST 314, equivalent]

Prerequisite: ENGL 223.

This course studies the persistent depiction of social decline in ancient Greek and Roman authors. Representative governments like the Roman republic and fifth-century Athens were exceedingly rare in the ancient world, and the authors in these societies regularly discussed the social and political dangers of their peculiar institutions in their writings. Students will compare their analyses, assess their validity, and consider the influence of their ideas upon our own society.

CLST 415. WI: Resisting Rome (3-3-0) AIGM [Formerly CLST 315, not equivalent]

Prerequisite: ENGL 223.

This course examines the numerous interactions between Rome, its neighbors and its own citizens, focusing primarily on areas of social and political friction. Evidence will include the literary, artistic, institutional, and architectural means by which Rome presented its own message, as well as the sophisticated methods employed by Rome's internal and external opponents. Students also will study the impact of these opponents upon the literature and artistic legacy of the Roman world, and especially the Roman representations of groups they considered different from themselves.

CLST 490. WI: Capstone Course in Classical Studies (3-3-0)

Prerequisite: ENGL 223 with a grade of C- or higher. Prerequisite or Corequisite: CLST 101, 211, 212; one LATN or GREK course at the 200-level or above; and junior

standing.

Required of all classical studies majors. The capstone experience in classical studies is a research-writing course in which students are expected to demonstrate their ability to read and interpret primary sources in the original Latin and/or Greek, synthesize and analyze sources in English, and write a well argued research paper in support of an original thesis. The objectives and format of the capstone course are consistent, but the specific research topic for each course will be determined by the instructor. This course partially satisfies the writing intensive requirement.

CLST 495. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. Although students may take this course multiple times, there is a maximum of 12 topics credit hours that may be presented for graduation.

THE CURRICULUM IN FRENCH

FREN 101. Beginning French I (3-3-0)

Students with 3 or more years of high school French are encouraged to enroll in FREN 200.

Emphasis on the acquisition of practical vocabulary and mastery of grammatical structures through oral usage in the classroom. Reading and writing skills based on the same material are developed simultaneously.

FREN 102. Beginning French II (3-3-0)

Recommended prerequisite FREN 101, or 2 years of high school French, or consent of instructor. Students with 3 or more years of high school French are encouraged to enroll in FREN 200.

A continuation course that builds on the skills developed in FREN 101. Establishment of a basic foundation in the French language. Emphasis on the acquisition of practical vocabulary and mastery of grammatical structures through oral usage in the classroom. Reading and writing skills based on the same material are developed simultaneously.

FREN 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

FREN 200. Effective Communication in French (3-3-0)

Recommended prerequisite: FREN 102, or 3 years of high school French, or consent of instructor.

This course focuses on practical work in the four basic skills (speaking, listening, reading, and writing) of foreign language competency. It will review and build on students' prior knowledge with the goal of developing their functional and communicative abilities. Readings, videos and other media will broaden students' knowledge of French and Francophone cultures and strengthen their command of the language. Students who are interested in continuing their

studies in French should take French 201 instead of French 200.

FREN 201. Intermediate French I (3-3-0)

Recommended prerequisite: FREN 102, or FREN 200, or 3 or more years of high school French, or consent of instructor.

A course designed to review the major grammatical structures of the language and to develop further the student's ability to understand, speak, read, and write French. Students who are interested in continuing their studies in French should take French 201 instead of French 200.

FREN 202. Intermediate French II (3-3-0)

Recommended prerequisite: FREN 201, or FREN 200 with a grade of A- or better, or 3 or more years of high school French, or consent of instructor.

More advanced work in all skill areas of the language. Material equally divided between practical conversation and selected readings. Taught in French.

FREN 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

FREN 301. Grammar and Composition (3-3-0)

Recommended prerequisite: FREN 202, or 4 or more years of high school French, or consent of instructor.

Review of the major grammatical structures of the language and the main principles of syntax, composition, and translation. Special attention will be given to reading and writing via vocabulary building and short writing assignments, in order to prepare students for 300 level classes taught in French that focus on various academic disciplines. Taught in French.

FREN 302. Practical Conversation (3-3-0)

Recommended prerequisite: FREN 202, or 4 or more years of high school French, or consent of instructor.

Develop fluency in speaking French. Intensive oral-aural training via conversation, presentations and extemporaneous speaking. Not open to native speakers of French. Taught in French.

FREN 303. Reading and Writing Seminar in French (3-3-0)

Recommended prerequisite: FREN 202 or 4 or more years of high school French.

This course is designed to focus on writing as a process. Students will analyze models of specific styles of writing and use a variety of methods, including peer-editing, self-correction, and stylistic exercises, to improve the accuracy and the effectiveness of their writing in French. Study of grammatical points will be individualized and will arise as a by-product of the process of learning to write more effectively. Assignments will encompass a variety of styles, including descriptions, narrations, resumes, literary analysis (such as

explication de texte), and journalistic and technical writing. Taught in French.

FREN 308. Conversation via Cinema (3-3-0)

Recommended prerequisite: FREN 202, or 4 or more years of high school French, or consent of instructor.

Use of recent French films to improve listening comprehension, writing and conversation skills. A required lab will consist of a second viewing of each film at the student's convenience. Taught in French. Not open to native speakers of French.

FREN 310. Practical French Phonetics (3-3-0)

Recommended prerequisite: FREN 202, or 4 or more years of high school French, or consent of instructor.

Special emphasis will be given to inherent differences between how syllables are formed and sounds are articulated in English and French. Students will learn how every sound in the French language is pronounced via intensive practice and repetition. Students will learn to translate phonetic transcriptions into written French and vice versa. They will also learn, via extensive practice, how to transcribe native oral French into phonetic symbols. Taught in French.

FREN 314. Business French (3-3-0)

[Formerly FREN 305, equivalent]

Recommended prerequisite: FREN 202, or 4 or more years of high school French, or consent of instructor.

This course is designed to be a practical course that will enable students to further develop their language skills and help them function in a professional environment. Students will acquire specialized vocabulary of professions and grasp an understanding of the functioning of French companies, business practices and culture within the Francophone world. Students will also develop a professional dossier, including a CV and cover letter, and learn to write memos and correspondence. All students will also be required to conduct mock interviews. Readings will be supplemented by internet-based activities and realia from the business world. Taught in French.

FREN 351. Studies in the Early Modern Era (3-3-0)

Recommended prerequisite: FREN 202, or 4 or more years of high school French, or consent of instructor.

Selected readings from the Middle Ages, Renaissance, and 17th and 18th centuries will acquaint students with the major authors, works, themes and genres of the early modern period. Readings will be supplemented by other materials, including film, multi-media presentations, and video, in order to situate literary works in their cultural context. A variety of activities including group work, class presentations, literary analysis and research papers will make critical thinking and the development of language skills an inherent focus of the course. Students will be tested on their mastery of the early modern literary canon throughout the semester but will also learn to conduct close readings of primary sources through

the French method of *explication de texte*. This course may include a practicum and/or interdisciplinary component, especially for students intending to enter the teaching profession. Taught in French.

FREN 352. Studies in the Modern Era (3-3-0)

Recommended prerequisite: FREN 202, or 4 or more years of high school French, or consent of instructor.

Selected readings from the 19th and 20th centuries and beyond will acquaint students with the major authors, works, themes, and genres of the modern period. Literary texts will be supplemented by readings from other print materials, such as journals, periodicals, advertisements, and other authentic documents, as well as by film, video, and web sources, in order to situate literary works in their cultural context. A variety of activities including group work, class presentations, and opinion and research papers will make critical thinking and the development of language skills an inherent focus of the course. Taught in French.

FREN 353. Francophone Literature and Culture (3-3-0) AIGM

Recommended prerequisite: FREN 202, or 4 or more years of high school French, or consent of instructor.

This course introduces students to francophone literatures from around the world. Selected readings and analysis of poetry, prose, and theater of francophone expression is the basis of the course, and authors will be chosen from all the major francophone areas such as sub-Saharan Africa, the Maghreb (North Africa), central Africa, the Indian Ocean, the Caribbean, and Canada. Each offering of the course will give special focus to one of these francophone areas. The study of francophone literature will be situated in the cultural and historical context of its creation. Taught in French.

FREN 354. French Women Writers (3-3-0) AIWT

Recommended prerequisite: FREN 202, or 4 or more years of high school French, or consent of instructor.

This course offers an insight into the works of French (and Francophone) women writers from the Middle Ages to the present. The selections are organized around themes such as marriage, love, politics, and family and include various genres: novels, poems, stories, chronicles, autobiographical writings, letters, manifestoes, political and historical documents, and interviews. This course will address issues of stereotypes, social class, identity, freedom, rights and creativity while exploring the relations between authorship and gender within the social, cultural, and political context. Taught in French.

FREN 370. CNU Seminar Abroad. (3-3-0)

Prerequisite: FREN 202 or consent of instructor.

This course is structured around a cultural theme and taught on-site in a country where the instructor has academic expertise. Activities encompass lectures, guided tours of sites, attendance at performances, or other cultural events.

As in any three credit course, assignments may include readings, presentations, tests, journals, essays or a research project. Scheduled for two weeks in May or at another convenient time. In addition to tuition, charges for travel, accommodations, and group activities will be published well in advance. Departmental application and appropriate University paperwork required. Serves as an elective for the French minor or major.

FREN 390. Studies in French Literature. (3-3-0)

Prerequisite: FREN 202.

This course will enhance students' knowledge of French and Francophone literature and culture through the study and analysis of important literary, aesthetic, and culture trends. Focusing on different historical periods, each iteration of this course will ask students to closely examine fiction non-fiction, poetry and/or theatrical works and provide them with the tools to understand and recognize the defining characteristics of various artistic and intellectual movements in the history of French literature. While the content studied will vary, the course learning objectives will remain the same. *This course is repeatable once for a total of six credits.* Taught in French.

FREN 395. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

FREN 490. Practicum (3-3-0)

Prerequisite: FREN 202 or its equivalent, Modern Language major, consent of the instructor, and departmental approval.

This course is designed to allow foreign language majors to participate in an internship or other practicum experience. Such experiences might include teaching foreign language in elementary schools, doing field work within one of the foreign communities in the area, working with an area company with foreign connections, or serving as an assistant in MCLL courses on campus. The nature of the practicum, specific assignments, and evaluation procedures are to be established with the supervising instructor, who must be a full-time faculty member in MCLL. The parameters for each individual practicum must be approved by the department.

FREN 495. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

FREN 499. Independent Study (credits vary 1-3)

Prerequisite: Modern Language major or minor, junior or senior standing, consent of instructor and Department Chair.

No student may present more than six credits of 499 toward the major program. *Taught upon request and at the instructor's discretion.*

THE CURRICULUM IN GERMAN

GERM 101. Beginning German I (3-3-0)

Students with 3 or more years of high school German are encouraged to enroll in GERM 200.

An introduction to understanding, speaking, reading, and writing German. Students use the language in highly authentic cultural contexts while also acquiring a basis for reading and writing.

GERM 102. Beginning German II (3-3-0)

Recommended prerequisite: GERM 101, or 2 years of high school German, or consent of the instructor. Students with 3 or more years of high school German are encouraged to enroll in GERM 200.

A continuation course that builds on the skills developed in GERM 101. An introduction to understanding, speaking, reading, and writing German. Students use the language in highly authentic cultural contexts while also acquiring a basis for reading and writing.

GERM 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

GERM 200. Effective Communication in German (3-3-0)

Recommended prerequisite: GERM 102, 3 years of high school German, or consent of the instructor.

This course focuses on practical work in the four basic skills (speaking, listening, reading, and writing) of foreign language competency. It will review and build on students' prior knowledge with the goal of developing their functional and communicative abilities. Readings, videos and other media will broaden students' knowledge of German culture and strengthen their command of the language.

GERM 201. Intermediate German I (3-3-0)

Recommended prerequisite: GERM 102 or GERM 200, or 3 years of high school German, or consent of instructor.

A continuation of the major grammatical structures of the language and further development of the student's ability to understand, speak, read, and write German. Emphasis is placed on use of the language.

GERM 202. Intermediate German II (3-3-0)

Recommended prerequisite: GERM 200, or GERM 201, or 3 years of high school German, or consent of instructor.

Readings and discussions of German literature, culture and civilization. Emphasis is placed upon the expansion of active and passive vocabularies toward the goal of perfecting the knowledge of German.

GERM 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

GERM 301. Grammar and Composition (3-3-0)

Recommended prerequisite: GERM 202, or 4 or more years of high school German, or consent of instructor.

A course dealing with German grammar and the main principles of syntax, focusing on the development of skill in writing and reading. Taught in German.

GERM 302. Conversation and Comprehension (3-3-0)

Recommended prerequisite: GERM 202, or 4 or more years of high school German, or consent of instructor.

A course to develop greater fluency in speaking idiomatic German and greater ability to comprehend the language in a variety of practical situations. Intensive training in speaking, listening, and discussion is emphasized. Not open to native speakers of German. Taught in German.

GERM 303. German Composition (3-3-0)

Recommended prerequisite: GERM 202, or 4 or more years of high school German.

This course is designed to focus on writing as a process. Students will use a variety of methods, including peer-editing, self-correction, and stylistic exercises, to improve the accuracy and effectiveness of their writing in German. Study of grammar will be individualized during the writing process. Assignments may encompass a variety of styles, including descriptions, narrations, literary analysis, and business writing. Taught in German.

GERM 308. Conversation via Cinema (3-3-0)

Recommended prerequisite: GERM 202, or 4 or more years of high school German, or consent of instructor.

This course uses German films to improve listening comprehension, writing and conversational skills. The main emphasis is on vocabulary improvement. Not open to native speakers of German. Taught in German.

GERM 311. German Cultural History I (3-3-0)

Recommended prerequisite: GERM 202, or 4 or more years of high school German, or consent of instructor.

Offered every other year.

German 311 offers an overview of the cultural history of German-speaking Europe from antiquity to 1800. Students will study the historical framework necessary to understand major intellectual and artistic movements. They will also analyze representative examples of art, music, literature, philosophy, and social customs. Assignments may include oral reports, reaction papers, book reviews, research projects and/or tests. Taught in German.

GERM 312. German Cultural History II (3-3-0)

Recommended prerequisite: GERM 202, or 4 or more years of high school German, or consent of instructor.

Offered every other year.

German 312 offers an overview of the cultural history of German-speaking Europe from 1800 to the present. Students will study the historical framework necessary to understand

major intellectual and artistic movements. They will also analyze representative examples of art, music, film, literature, philosophy, and social customs. Assignments may include oral reports, reaction papers, book reviews, research projects and/or tests. Taught in German.

GERM 314. Business German (3-3-0)

Recommended prerequisite: GERM 202, or 4 or more years of high school German, or consent of instructor.

In this course students acquire the linguistic proficiency and cultural awareness necessary to function effectively and knowledgeably in a German-speaking business environment. Taught in German.

GERM 351. Studies in the Early Modern Era (3-3-0)

Recommended prerequisite: GERM 202, or 4 or more years of high school German, or consent of instructor.

Selected readings from the Middle Ages, the Reformation, Baroque, and the Age of Goethe will acquaint students with the major authors, works, themes, and genres of German literature before 1800. Additional materials, such as film, music, and art are used to situate literary works in their cultural context. A variety of activities including presentations, group work, and opinion papers, will hone students' critical thinking and language skills. This course may include a practicum and/or interdisciplinary component, especially for students intending to enter the teaching profession. Taught in German.

GERM 352. Studies in the Modern Era (3-3-0)

Recommended prerequisite: GERM 202, or 4 or more years of high school German, or consent of instructor.

Selected readings from the 19th and 20th centuries and beyond will acquaint students with the major authors, works, themes, and genres of these time periods. Additional materials, such as journals, periodicals, and other authentic texts, as well as film, and web sources, will help to situate literary texts in their cultural context. Activities including presentation, group work, and opinion papers, will hone students' critical thinking and language skills. This course may include a practicum and/or interdisciplinary component, especially for students intending to enter the teaching profession. While the content studied may vary based on the instructor's expertise, the course format and objectives will remain the same. *This course is repeatable twice for a total of nine credits.* Taught in German.

GERM 370. CNU Seminar Abroad (3-3-0)

Prerequisite: GERM 202 or consent of instructor.

This course is structured around a cultural theme and taught on-site in a country where the instructor has academic expertise. Activities encompass lectures, guided tours of sites, attendance at performances, or other cultural events. As in any 3-credit course, assignments may include readings, presentations, tests, journals, essays or a research project. Scheduled for two weeks in May or at another convenient

time. In addition to tuition, charges for travel, accommodations, and group activities will be published well in advance. Departmental application and appropriate University paperwork required. Serves as an elective for the German minor or major.

GERM 395. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

GERM 490. Practicum (3-3-0)

Prerequisite: GERM 202 or its equivalent, modern language major, consent of the instructor, and departmental approval.

This course is designed to allow foreign language majors to participate in an internship or other practicum experience. This might include teaching foreign language in elementary schools, doing field work within one of the foreign communities in the area, working with an area company with foreign connections, or serving as an assistant in MCLL courses on campus. The nature of the practicum, specific assignments, and evaluation procedures are to be established with the supervising instructor, who must be a full-time faculty member in MCLL. The parameters for each individual practicum must be approved by the Department. *Course may be repeated twice for a maximum of nine credits.*

GERM 495. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

THE CURRICULUM IN GREEK

GREK 101. Beginning Ancient Greek I (3-3-0)

Every other year.

This course introduces students to Attic Greek, the primary dialect of ancient Greek society, and to Greek literature, history, culture, and society. Students will learn Greek grammar and vocabulary, learn to translate Greek accurately and efficiently, and come to a deeper appreciation of Greek culture.

GREK 102. Beginning Ancient Greek II (3-3-0)

Recommended prerequisite: GREK 101 completed within one calendar year, or 2 years of high school Ancient Greek, or consent of instructor.

Every other year.

This course is a continuation of Greek 101. It completes the introductory survey of Attic Greek.

GREK 201. Intermediate Ancient Greek I (3-3-0)

Recommended prerequisite: GREK 102 or permission of instructor.

Every other year.

This course builds upon the fundamental grammar introduced

in Greek 101 and 102. It comprises both an extensive review of Greek grammar and a close study of selected works of Greek prose within their literary, historical and cultural contexts.

GREK 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

THE CURRICULUM IN ITALIAN

ITAL 101. Beginning Italian I (3-3-0)

Students with 2 years of high school Italian are encouraged to enroll in ITAL 102. Students with 3 or more years of high school Italian are encouraged to enroll in ITAL 201 or ITAL 202.

This course is an introduction to Italian grammar, speech, vocabulary, and culture through a variety of written and oral exercises. The student uses the language in practical situations while also acquiring a basis for listening, writing, and reading.

ITAL 102. Beginning Italian II (3-3-0)

Recommended prerequisite: ITAL 101, or 2 years of high school Italian, or consent of the instructor. Students with 3 or more years of high school Italian are encouraged to enroll in ITAL 201 or ITAL 202.

This is a continuation course that builds on the skills developed in ITAL 101. The acquisition of new vocabulary and grammar structures will deepen and strengthen speaking, listening, reading, and writing abilities, with emphasis on practical situations and basic notions of culture and society.

ITAL 201. Intermediate Italian I (3-3-0)

Recommended prerequisite: ITAL 102, or 3 years of high school Italian, or consent of the instructor.

This course is a continuation of the major grammatical structures of the language and further development of the student's ability to understand, speak, read, and write Italian. The student will continue to expand vocabulary, use the language in a variety of contexts, and deepen knowledge of culture and society. Taught in Italian.

ITAL 202. Intermediate Italian II (3-3-0)

Recommended prerequisite: ITAL 201, or 3 years of high school Italian, or consent of the instructor.

This course focuses on more advanced work in all skill areas of the language. Emphasis is placed on the use of language in various contexts prompted by readings and discussions centered on Italian literature, culture and civilization. Taught in Italian.

ITAL 395. Special Topics (3-3-0)

Recommended prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

ITAL 495. Special Topics (credits vary 1-3)

Prerequisite: As announced.

Taught upon request.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

THE CURRICULUM IN LATIN

LATN 101. Beginning Latin I (3-3-0)

Students with 3 or more years of high school Latin are encouraged to enroll in LATN 200.

This course is the first part of an introduction to the basic elements of Latin vocabulary, grammar, and syntax.

LATN 102. Beginning Latin II (3-3-0)

Recommended prerequisite: LATN 101 completed within one calendar year, or 2 years of high school Latin, or consent of instructor.

This course is the second part of an introduction to the basic elements of Latin vocabulary, grammar, and syntax.

LATN 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

LATN 200. Latin and Its Living Legacy. (3-3-0)

Recommended prerequisite: LATN 102, or 3 years of high school Latin, or consent of instructor.

This course examines advanced Latin grammar and syntax through the translation and interpretation of selected passages of Latin texts.

LATN 202. Intermediate Latin II (3-3-0)

Recommended prerequisite: LATN 200, or 3 or more years of high school Latin, or consent of instructor.

This course examines advanced Latin grammar, syntax and meter through the translation, scansion and interpretation of selected passages of Latin poetry.

LATN 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

LATN 301/401. Lyric and Elegiac Poetry (3-3-0)

LATN 301: Recommended pre-requisite: LATN 202, 4 or more years of high school Latin, or permission of instructor; LATN 401: Required Prerequisite: one LATN course at the 300-level or permission of instructor.

In this course, students engage in the analysis and interpretation of lyric and elegiac poems within their philological, historical, aesthetic, and cultural contexts and increase their ability to translate, parse, and appreciate Latin poetry. Students taking this course at the 400-level will be required to write a research paper in addition to completing the other assignments listed on the syllabus. While the content studied may vary based on the instructor's expertise,

the course format and objectives will remain the same. *This course is repeatable twice for a total of nine credits.*

LATN 302/402. Roman Historians (3-3-0)

LATN 302: Recommended prerequisite: LATN 202, 4 or more years of high school Latin, or permission of instructor; LATN 402: Required prerequisite: one LATN course at the 300-level or permission of instructor.

In this course, students engage in the analysis and interpretation of the works of Roman historians within their philological, historical, aesthetic, and cultural contexts and increase their ability to translate, parse, and appreciate Latin prose. Students taking this course at the 400-level will be required to write a research paper in addition to completing the other assignments listed on the syllabus. While the content studied may vary based on the instructor's expertise, the course format and objectives will remain the same. *This course is repeatable twice for a total of nine credits.*

LATN 303/403. Roman Orators (3-3-0)

LATN 303: Recommended prerequisite: LATN 202, 4 or more years of high school Latin, or permission of instructor; LATN 403: Required prerequisite: one LATN course at the 300-level or permission of instructor.

In this course, students engage in the analysis and interpretation of oratorical texts within their philological, historical, aesthetic, and cultural contexts in order to increase their ability to translate, parse, and appreciate Latin prose. While the content studied may vary based on the instructor's expertise, the course format and objectives will remain the same. Students taking this course at the 400-level will be required to write a research paper in addition to completing the other assignments listed on the syllabus. *This course is repeatable twice for a total of nine credits.*

LATN 304/404. Epic Poetry (3-3-0)

LATN 304: Recommended prerequisite: LATN 202, 4 or more years of high school Latin, or permission of instructor; LATN 404: Required prerequisite: one LATN course at the 300-level or permission of instructor.

In this course, students engage in the analysis and interpretation of Latin epic poetry within its philological, historical, aesthetic, and cultural contexts and increase their ability to translate, parse, scan and appreciate Latin poetry. Students taking this course at the 400-level will be required to write a research paper in addition to completing the other assignments listed on the syllabus. While the content studied may vary based on the instructor's expertise, the course format and objectives will remain the same. *This course is repeatable twice for a total of nine credits.*

LATN 306/406. Epistles (3-3-0)

LATN 306: Recommended prerequisite: LATN 202, 4 or more years of high school Latin, or permission of instructor; LATN 406: Required prerequisite: one LATN course at the 300-level or permission of instructor.

In this course, students engage in the analysis and interpretation of Latin epistolary prose and poetry within its philological, historical, aesthetic, and cultural contexts and increase their ability to translate, parse and appreciate Latin literature. Students taking this course at the 400-level will be required to write a research paper in addition to completing the other assignments listed on the syllabus. While the content studied may vary based on the instructor's expertise, the course format and objectives will remain the same. *This course is repeatable twice for a total of nine credits.*

LATN 395. Special Topics (3-3-0)

Recommended prerequisite: LATN 202, 4 or more years of high school Latin, or permission of the instructor.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. Although students may take this course multiple times, there is a maximum of 12 topics credit hours that may be presented for graduation.

LATN 495. Special Topics (3-3-0)

Recommended prerequisite: LATN 202, 4 or more years of high school Latin, or permission of the instructor.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. Although students may take this course multiple times, there is a maximum of 12 topics credit hours that may be presented for graduation.

THE CURRICULUM IN MODERN LANGUAGES

The Department of Modern and Classical Languages and Literatures offers the following courses conducted entirely in English.

MLAN 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

MLAN 203. International Folktales in English Translation (3-3-0) AICE

This course acquaints students with folktales from a variety of backgrounds, including European and Latin American countries. Lectures offer historical and critical background while emphasizing the literary and cultural traits of the countries where the tales were developed. Students will explore perspectives such as a relationship between storytellers and their audiences, the concept of children's literature and its influence upon our understanding of childhood, and the ways in which folk- and literary tales continue to shape us and our perception of the world. No knowledge of another language is necessary.

MLAN 205. The Novel in English Translation (3-3-0) AIWT

This course acquaints the students with canonical novels and novellas in English translation united by a common theme.

Lectures emphasize historical and critical perspectives, at the same time contrasting the literary and cultural traits of the nations represented in the literary works studied. No knowledge of another language is necessary.

MLAN 206. The Drama in English Translation (3-3-0) AIWT

This course acquaints students with canonical works of foreign drama in English translation united by a common theme. Lectures emphasize historical and critical perspectives, at the same time contrasting literary and cultural traits of the nations represented in the dramatic works studied. No knowledge of another language is necessary.

MLAN 207. International Cinema (3-3-0) AICE

This course examines international movies. Representative screenings may include films from Germany, Italy, Spain, Latin America, Francophone cultures or other countries. Through lectures and discussion, students will hone the skills necessary to read and critically analyze films in their cultural context. Films will be shown in the original language with English subtitles; no knowledge of another language is necessary, two hours of lecture and discussion and two hours of film screening per week. This course may be counted toward the film studies minor.

MLAN 220. Gender in the Arab World (3-3-0) AIGM

This course examines changing gender roles in the Arab world. The interdisciplinary readings, films, lectures and class discussions will broaden students' understanding of gender issues and enable students to recognize the intersection of sexism with class, race, and ethnicity in the construction of women's identities in Arab societies. Against the background of transnational feminist activism, students learn to critically analyze the obstacles to and opportunities for establishing Arab women's rights as human rights.

MLAN 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

MLAN 308. Cross-Cultural Awareness (3-3-0) AIGM

Pre or Corequisite: ENGL 223.

This course builds cross-cultural awareness and develops students' skills in communicating with peoples from other cultures by examining cultural patterns and cues that determine behavior in different parts of the world. Basic cultural principles, such as concepts of time, space, formality and informality and intimacy will be explored from a cross-cultural perspective, as different members of the Department of Modern and Classical Languages treat the application of these concepts within diverse cultural contexts. This course complements work done by French, German and Spanish majors and minors in their target language, although no knowledge of a foreign language is necessary.

MLAN 310. WI: Texts in Context (3-3-0) AICE

Pre or Corequisite: ENGL 223.

This course introduces students to methods of cultural analysis used by scholars in French studies, German studies, and Hispanic studies. Participants examine a variety of creative responses to selected intellectual movements (e.g., the Enlightenment, Romanticism). Material studied ranges from literary texts to works of visual culture, musical scores, architecture and monuments. Class discussions and supplementary readings introduce students to relevant theoretical approaches. The course complements work done by French, German, and Spanish majors in their target language, although no knowledge of a foreign language is necessary. This course partially satisfies the writing intensive requirement.

MLAN 311. Teaching English to Speakers of Other Languages (TESOL) (3-3-0) [Formerly ENGL 311, equivalent]

Prerequisite: ENGL 223 or consent of instructor.

This course is an introductory survey of English language learners in the United States. Students will learn about the cognitive, affective, linguistic, and sociocultural processes involved in second language development. They will also gain knowledge of the effects of socio-cultural variables in community and instructional settings. A significant service component will place students in various settings such as schools, adult learning centers, and other community organizations to support English language learners in acquisition of language and cultural competencies.

MLAN 370. CNU Seminar Abroad (3-3-0)

Prerequisite: ENGL 123 or consent of instructor.

This course is structured around a cultural theme and taught on-site in a country where the instructor has academic expertise. Activities encompass lectures, guided tours of sites, attendance at performances, or other cultural events. Assignments may include readings, presentations, tests, journals, essays or a research project. Scheduled for two weeks in May or at another convenient time. In addition to tuition, charges for travel, accommodations, and group activities will be published well in advance. Students in MLAN 370 need not speak a foreign language. Departmental application and appropriate University paperwork required.

MLAN 371. Africa: Myth and Reality Introduction to Contemporary Francophone African Culture and Society (3-3-0) AIGM

This course is an introduction to contemporary francophone African culture and society taught on site in Cameroon and Senegal. Located in central Africa, both countries represent several cultural regions and cultures (West, Central, and North). They are also known for their colonial heritage and religious pluralism. They offer an ideal platform to study the continent's society, cultures, politics, and history. Drawing from multidisciplinary sources, this course will focus on

the myths about Africa and will address how colonial and postcolonial conditions have constructed them. With on-site classes, students will challenge those myths, and learn the reality behind them.

MLAN 395. Special Topics (3-3-0)

Prerequisite: As announced.

Courses for majors and non-majors in cross cultural topics, comparative literature, and French, German, Italian, Spanish, and Latin-American literature in translation. *This course is repeatable once for a total of six credits.*

MLAN 490. WI: Capstone Course in Modern Languages (3-3-0)

Prerequisite: ENGL 223 with a grade of C- or higher. and MLAN 310W. Corequisite: Declared major in French, German, or Spanish and junior or senior standing, or consent of the instructor.

Required of all French, German, and Spanish majors. The capstone experience in modern languages is a research-writing course in which students are expected to demonstrate their ability to read and interpret primary sources, analyze and synthesize secondary sources, and write a well argued research paper in support of an original thesis. The objectives and format of the capstone course are consistent, but the specific research topic for each class will be determined by the instructor. Students will take the major exit exam as part of this course. This course partially satisfies the writing intensive requirement.

MLAN 495. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

THE CURRICULUM IN SPANISH

SPAN 101. Beginning Spanish I (3-3-0)

Students with 3 or more years of high school Spanish are encouraged to enroll in SPAN 200. Restricted to freshmen and sophomores.

An introduction to the Spanish language, with emphasis on reading, writing, speaking, and listening comprehension.

SPAN 102. Beginning Spanish II (3-3-0)

Recommended prerequisite: SPAN 101 completed within one calendar year; or 2 years of high school Spanish, or consent of instructor. Restricted to freshmen and sophomores.

A continuation course that builds on the skills developed in SPAN 101. An introduction to the Spanish language, with emphasis on reading, writing, speaking, and listening comprehension.

SPAN 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

SPAN 200. Effective Communication in Spanish (3-3-0)

Recommended prerequisite: SPAN 102, or 3 years of high school Spanish, or consent of instructor.

This course focuses on practical work in the four basic skills (speaking, listening, reading, and writing) of foreign language competency. It will review and build on students' prior knowledge with the goal of developing their functional and communicative abilities. Readings, videos and other media will broaden students' knowledge of Spanish-speaking cultures and strengthen their command of the language. Students who are interested in continuing their studies in Spanish should take Spanish 201 instead of Spanish 200.

SPAN 201. Intermediate Spanish I (3-3-0)

Recommended prerequisite: SPAN 102 or SPAN 200, or 3 or more years of high school Spanish, or consent of instructor.

A review of grammatical structures, with further development of reading, writing, speaking, and listening comprehension skills. Students who are interested in continuing their studies in Spanish should take Spanish 201 instead of Spanish 200.

SPAN 202. Intermediate Spanish II (3-3-0)

Recommended prerequisite: SPAN 201 or SPAN 200 with a grade of A- or better, or 3 or more years of high school Spanish, or consent of instructor.

Further development of knowledge of grammatical structures, with the goal of further enhancing reading, writing, communication skills, and listening comprehension skills. Taught in Spanish.

SPAN 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

SPAN 301. Grammar and Composition (3-3-0)

Recommended prerequisite: SPAN 202, or 4 or more years of high school Spanish, or consent of instructor.

This course stresses practical communication on a variety of topics with a review of the main points of grammatical structure, syntax, and composition. Taught in Spanish.

SPAN 302. Advanced Spanish Conversation (3-3-0)

Recommended prerequisite: SPAN 202 or 4 or more years of high school Spanish or consent of instructor.

This course improves fluency in spoken Spanish through the practice of oral communication and informal writing in different contexts and for varied communicative purposes. Students will develop speaking skills in connection with readings emphasizing topics in contemporary Hispanic culture. Not open to native speakers of Spanish. Taught in Spanish.

SPAN 303. Spanish and the Digital Age (3-3-0) [Formerly SPAN 303W, not equivalent]

Recommended prerequisite: SPAN 202 or 4 or more years of high school Spanish.

This course is designed to review advanced structures of Spanish grammar through reading and composition, with special emphasis on the development of writing skills, and to deepen students' cultural awareness in a globalized world. Topics will focus on: the Spanish language and cultures; issues related to the students' own digital reality; and the Information Age in general. Taught in Spanish.

SPAN 308. Conversation via Cinema (3-3-0)

Recommended prerequisite: SPAN 202, or 4 or more years of high school Spanish, or consent of instructor.

Recent Spanish-language movies will be used to improve listening comprehension, writing, and conversation skills. Cultural content will also be emphasized. Not open to native speakers of Spanish. Taught in Spanish.

SPAN 314. Business Spanish (3-3-0)

Prerequisite: SPAN 301 or 303 with a grade of C- or higher, or consent of the Department.

The objectives of SPAN 314 are to provide students with a solid foundation in the vocabulary and discourse used in the Spanish-speaking business world and to enhance students' ability to function effectively in commercial contexts locally, in the U.S., and abroad. This course will also develop students' geographic literacy and cultural understanding of the Spanish-speaking world. Taught in Spanish.

SPAN 321. Techniques of Translation and Interpretation (3-3-0)

Prerequisite: Span 301 or 303 with a grade of C- or higher, or consent of the Department.

A course designed to acquaint the student with the skills of translation and oral interpretation. The course will be based upon practical translations such as business letters, newspaper articles, essays on different subjects and interpreting for the legal and medical professions. A variety of techniques emphasizing accurate translations and interpretations will be used. Taught in Spanish.

SPAN 330. Spanish in the Community (3-3-0)

Prerequisite: SPAN 301, 302, 303 or 308

This service-learning course provides opportunities to work with organizations in Newport News/Hampton Roads that provide services to the Spanish-speaking community; students may also use this course to explore possible career fields. Students will be required to engage in volunteer experiences off campus on a weekly basis, write a final paper analyzing their experiences, and give an oral presentation in Spanish to the class, among other assignments. Taught in Spanish.

SPAN 351, 352. Introduction to Latin-American Literature I and II (3-3-0) AIGM

Prerequisite: SPAN 301 or 303 with a grade of C- or higher, or consent of the Department.

Pre or Corequisite: MLAN 310W

A survey of Spanish-American literature, emphasizing the development of reading skills to critically appreciate major writers and dominant literary trends. First semester (351) from the pre-colonial period to *modernismo*. Second semester (352) from *modernismo* to the present. Taught in Spanish.

SPAN 353, 354. Introduction to Spanish Literature I & II (3-3-0) AIWT

Prerequisite: SPAN 301 or 303 with a grade of C- or higher, or consent of the Department.

Pre or Corequisite: MLAN 310W

A survey of Spanish literature emphasizing the development of reading skills to critically appreciate major writers and dominant literary trends. First semester (353) from Las jarchas through the Golden Age; second semester (354) from 1700 to the present. Taught in Spanish.

SPAN 370. CNU Seminar Abroad (3-3-0)

Prerequisite: SPAN 202, or its equivalent, or consent of instructor.

This course is structured around a cultural theme and taught on-site in a country where the instructor has academic expertise. Activities encompass lectures, guided tours of sites, attendance at performances, or other cultural events. As in any three credit course, assignments may include readings, presentations, tests, journals, essays or a research project. Scheduled for two weeks in May or at another convenient time. In addition to tuition, charges for travel, accommodations, and group activities will be published well in advance. Departmental application and appropriate University paperwork required. Serves as an elective for the Spanish minor or major.

SPAN 395. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

SPAN 471. Hispanic Visual Culture and the Arts (3-3-0) AICE [formerly SPAN 361, equivalent]

Prerequisite: SPAN 301 or 303W and SPAN 302 or 308 with a grade of C- or higher, or permission of the department.

As a course that fulfills the seminar requirement of the Spanish major, SPAN 471 is devoted to the relationship between visual artistic expressions (such as film, painting, sculpture, architecture, performance, photography, and similar topics) and social, cultural, historical, economic and political realities in the Hispanic world. Close "readings" of primary sources, critical readings and class discussions will culminate in an original research paper. Taught in Spanish.

SPAN 472. Hispanic Popular Culture (3-3-0) AIWT [formerly SPAN 362, equivalent]

Prerequisite: SPAN 301 or 303W and SPAN 302 or 308 with a grade of C- or higher, or permission of the Department.

As a course that fulfills the seminar requirement of the Spanish major, SPAN 472 is devoted to the relationship between popular culture and the social, cultural, historical, economic, and political situations in the Spanish-speaking world. The course offers an in-depth focus on popular culture and recent developments in Latin America, Spain, and the Hispanic U.S. (youth, unemployment, immigration, fashion, music/dance, slang, cuisine, tourism mass-media/film, cultural movements), combined with popular literature, film and newspaper articles. Close readings of primary sources, critical readings and class discussions will culminate in an original research paper. Taught in Spanish.

SPAN 473. Hispanic Literature and Social Issues (3-3-0) [formerly SPAN 363, equivalent]

Prerequisite: SPAN 301 or 303W and SPAN 302 or 308 with a grade of C- or higher, or permission of the Department.

As a course that fulfills the seminar requirement of the Spanish major, SPAN 473 emphasizes students' oral, written, and analytical skills, providing sustained dialogue on issues (social, cultural, historic, economic and/or political situations) and works (novels, short stories, essays, poetry, and other genres). Discussion of social issues as expressed through literature may include analysis of political struggles, urban environments, race/ethnicity, gender/sexuality, and national or regional borders. Supplementary critical readings inflect class discussion and culminate in a final research paper. Taught in Spanish.

SPAN 490. Practicum (3-3-0)

Prerequisite: SPAN 202 or its equivalent, modern language major, consent of the instructor, and departmental approval.

This course is designed to allow foreign language majors to participate in an internship or other practicum experience. Such experiences might include teaching foreign language in elementary schools, doing field work within one of the foreign communities in the area, working with an area company with foreign connections, or serving as an assistant in MCLL courses on campus. The nature of the practicum, specific assignments, and evaluation procedures are to be established with the supervising instructor, who must be a full-time faculty member in MCLL. The parameters for each individual practicum must be approved by the department.

SPAN 495. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

MUSEUM STUDIES

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The Minor Program in Museum Studies (18 credits)

Museums preserve and promote cultural heritage through the collection of artifacts, specimens and cultural objects. As institutions they are responsible for the care and protection of objects of scientific, artistic, cultural, and historical importance, making these objects accessible to the public and available for study and research. In the modern world, museums play a critical role in initiating cultural dialogue and educating the general public.

The Minor in Museum Studies provides education, exposure and training to empower students to professionally cultivate, care for, manage and present a museum collection in a responsible, comprehensive, thoughtful and ethical manner. The curriculum includes a broad overview of museum curation, education, management and collection care as well as museum history, museological theory, and current trends and challenges facing museums. The minor is designed to be a compliment to a number of diverse majors, from the arts and sciences to the business world.

Program Requirements:

Students should seek advising from the director in choosing the courses for the minor. A minimum of 18 credits as listed below are required to complete the minor.

1. IDST 277 and 377;
2. Select one course (3 credits) management/administration elective: BUSN 302, 340, ENGL 353W, 454W, or THEA 200;
3. Select two courses (6 credits) of museum studies electives from at least two different disciplines, one of which must be 200-level or higher;
4. Select one course (3 credits): ANTH 491; BIOL 496 (with approval); CHEM 499 (with approval); FNAR 491; HIST 491; THEA 492; or an approved practicum/ independent study courses from other disciplines.

THE CURRICULUM IN MUSEUM STUDIES

IDST 277. Intro to Museum Studies (3-3-0)

Fall.

This course is a general introduction to the history, organization, and public missions of museums. The course provides a broad overview of the major components of a museum including administration, finance, education, marketing, collections management and collections care.

IDST 377. Advanced Museum Studies (3-3-0)

Prerequisite: IDST 277.

Spring.

This course provides an in-depth focus on an aspect of museum studies, from management and collection care, to current approaches and challenges in the field. Topics will vary, but may include the following: material culture and the archaeological object, history of museums, conservation and collection care, and curatorial ethics and approaches.

Museum Studies Electives

AMST 340	Americans at Sea
BIOL 212/212L	Principles of Biology II (with Lab)
CHEM 103	Intro to Chemistry
CHEM 110	Chemistry and Society
CLST 311	Ancient Greek Art
CLST 312	Ancient Roman Art
FNAR 201	World Art in Context I: Ancient to Medieval
FNAR 202	World Art in Context II: Renaissance to Modern
FREN 351	Studies in the Early Modern Era
FREN 352	Studies in the Modern Era
GERM 311	German Cultural History I
GERM 312	German Cultural History II
HIST 111	The Ancient and Medieval World
HIST 112	The Modern World
HIST 121	Early America to the Civil War
HIST 122	Modern America: Reconstruction to Global Power
IDST 240	Medieval and Renaissance Perspectives
HIST 435	Public History
HIST 348	Historical Archaeology
SPAN 471*	Hispanic Visual Culture and the Arts
THEA 352	Art, Clothing and Society

Approved Study Abroad Courses

*(with approval)

DEPARTMENT OF MUSIC

Dr. Rachel Holland, Chair
 Ferguson Hall A136
 (757) 594-8875
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Dr. Mark Reimer, Director of Music
 Ferguson Hall A130
 (757) 594-7074
 reimer@cnu.edu

Faculty

Distinguished Professor: Reimer
Associate Professor: Holland, Rossum
Assistant Professor: Ankney, Corbin, Hamm, Lopez, McGuire, Ward-Griffin
Lecturer: Irving, Tfirm
Emeritus: Hines

Vision

- To awaken and nurture highly talented composers, performers, and music educators committed to developing their abilities to their highest potential.
- To support study and celebration of music's role in business, the arts, history, language, literature, math, science, and technology, unfolding music's connection to all areas of human endeavor.
- To engage students of all disciplines in the study and performance of music, fostering a university culture of appreciation, curiosity, understanding, and joy.

Mission

The music program encourages all students who have a passion for music to participate in ensembles, courses, and events that broaden and enrich the understanding of music and its functions in culture and society. The music faculty strives to uphold the highest standards of scholarship and performance while placing as their top priority the education of each student. The music program offers a rigorous and comprehensive curriculum immersed in an academic environment rich in liberal learning. Students learn to form critical opinions, think, speak, and write clearly, and understand the structure, development, and performance of music from around the globe. And most important, students learn to embrace the truth that musicianship and scholarship are lifetime pursuits.

Goals

- To provide a rigorous and comprehensive curriculum in a university accredited and assessed by the National Association of Schools of Music and the Southern Association of Colleges and Schools.
- To provide music faculty and guest artists who are recognized experts in their field and who have a passion for teaching and scholarship.
- To accept high-achieving music majors who have the demonstrated skills, knowledge, and desire necessary to succeed in their chosen field.

- To provide all students a wide variety of musical ensembles, courses and events that enrich the cultural life of the University and the community.
- To provide students with additional opportunities for leadership, scholarship, and service through student music organizations.

Program Learning Outcomes

Every music graduate will be able to:

- Demonstrate knowledge and ability in the analysis, identification, composition and critical listening of music.
- Demonstrate an understanding of the history of Western music including styles, significant repertoire, performance practice and historical context.
- Demonstrate an understanding of the socio-political, cultural and historical contexts as applied to world musics.
- Demonstrate the ability to express musical ideas through written and oral communication.
- Demonstrate the ability to notate, analyze and perform music through aural skills.
- Demonstrate functional skills and knowledge on keyboard.
- Demonstrate functional skills and knowledge as a conductor.
- Demonstrate creativity through composition and improvised performance through the manipulation of a variety of sound sources.
- Demonstrate application of technology relevant to his or her area of specialization.
- Demonstrate proficiency in performance as soloists and ensemble musicians on his or her instrument of specialization.
- Demonstrate knowledge and skills relevant to his or her area of specialization.
- Demonstrate a broad understanding of how skills and knowledge apply to music's role in the human endeavor.

CNU Excel Program

The Department of Music, a partner with Riverside Performing Arts Medicine, is committed to the development of mind, body, and spirit. With the health and safety of every student in mind, faculty and staff, and health professionals assist students in creating effective practice routines, managing performance anxiety, sharpening mental focus, developing personal confidence, bonding with peers, protecting against

hearing loss, handling equipment safely, leading a healthy lifestyle, developing leadership skills, and pursuing career enhancement opportunities.

Music Degrees

The Bachelor of Music degree is the initial professional degree in music. Its primary emphasis is on the development of the skills and knowledge necessary to function as a teacher, performer, composer, and scholar. The areas of concentration include pre-certification choral, pre-certification instrumental, composition, and performance.

The Bachelor of Arts degree in fine and performing arts provides a strong education in the liberal arts, irrespective of specific career aspirations. The degree provides a fundamental knowledge of written and aural skills, the history and development of music, and performance. This degree serves individuals who seek a broad program of general education rather than intense specialization in the undergraduate years.

The Master of Arts in Teaching degree is offered with concentrations in choral and instrumental music education. Students accepted into the M.A.T. program graduate in four years with the Bachelor of Music degree with a concentration in either pre-certification choral or instrumental and then complete an additional year of study leading to the M.A.T. degree and teacher certification (PK-12). For more information, see the *CNU Graduate Catalog*.

Assessment Procedures

The rigor of the academic curriculum of the music program at Christopher Newport University is ensured through a comprehensive curriculum, highly experienced and qualified professors, numerous assessment procedures, and accreditation by the National Association of Schools of Music and the Southern Association of Colleges and Schools.

Entrance Requirements

Acceptance is highly competitive, for the department admits each year approximately two majors per voice part or instrument. A student intending to matriculate in the music program at CNU must first satisfy all entrance requirements, including an entrance audition, interview, two professional recommendations by music educators, entrance examinations in music theory and ear training, and acceptance into the University.

Degree Program Continuance Requirements

The major in music requires an enormous commitment of time and energy toward academic study, individual practice, and ensemble rehearsal. Although admission into the major is highly competitive, music majors who continue to experience significant challenges by the end of the first year should consider changing their major. Music majors are reviewed at the completion of their fourth semester for continuation in either the Bachelor of Music or the Bachelor of Arts degree program, referred to as, "Sophomore Check Point." The review committee consists of full-time music faculty members

elected each year by the full-time music faculty. In order to be considered for continuation in the degree, the student must have earned a grade of C- or higher in the following courses: improvisation (MUSC 125), four semesters of music theory (MUSC 211-212, 311-312), music history (MUSC 303-304), and ear training (MUSC 209-210, 309-310), four semesters of keyboard skills (MUSC 115-116, 215-216 or APP PIAN 130), four semesters of applied music in the student's major area of concentration, jury approval, four semesters of a major ensemble, four semesters of performance attendance (MUSC 012) and masterclass (MUSC 014), ENGL 123, ENGL 223, two courses from the Areas of Inquiry, successful completion of the Scales Proficiency Examination (instrumentalists) and the Piano Proficiency Examination, the Library Orientation, the Dispositions Forms (pre-certification majors), and a cumulative GPA of 2.5 or higher (2.9 for the B.M./M.A.T.). Factors such as the student's progress in applied music lessons, demonstrated commitment to and enthusiasm for the field of study, and overall promise for success in the field and/or graduate study are considered, as well. The university is accredited by The National Association of Schools of Music and, therefore, is required to uphold national standards throughout the tenure of the student.

Graduation Requirements

In order to graduate, the music student must have successfully completed all requirements listed for individual concentrations (including all upper-level music courses, juries, and recitals) with a grade of C- or higher, the liberal learning curriculum, have earned a score of 70 or higher on each of the exit examinations in music theory, ear training and music history, and have completed the ETS Music Field Test. The senior recital serves as the final assessment of a student pursuing performance and composition; student teaching serves as the final assessment of a student pursuing pre-certification; and the music capstone project serves as the final assessment of a student pursuing the Bachelor of Arts degree. The goal of graduating competent and competitive students is assessed through the student's success in graduate school and chosen profession.

Applied Music Juries

Juries are held each semester to adjudicate the areas of improvisation, performance, and conducting. They serve as the semester examination and give students an opportunity to demonstrate their progress in performance skills to the applied music faculty. The applied music jury consists of the applied music faculty who teach in the area of the student's concentration.

The Bachelor of Music Degree

In addition to successful completion of the liberal learning curriculum, the degree requires successful completion of one of the following concentrations:

Bachelor of Music Performance Concentration

(Brass, Woodwinds, Percussion, Keyboard, Strings, Voice)

1. MUSC 125, 200, 209-210, 211-212, 303-304-305, 306, 309-310, 311-312, 314 or 316;
2. Depending on area of interest:
 - a. instrumentalists select one: MUSC 391, 394, 396, 397, or 398;
 - b. non-keyboard instrumentalists select one: MUSC 430 or 440;
 - c. keyboardists select one: MUSC 420, 430, or 440;
 - d. vocalists must take MUSC 261, 265, 266, 450, 496, THEA 230, and one 200-level course in French, German or Italian;
3. Keyboardists must take an upper-level music elective, and all instrumentalists must take an upper-level elective that is writing intensive;
4. Nine credits of electives within or outside of MUSC;
5. APPMUSC 133-134, 233-234, 333-334 (junior recital), and 433-434 (senior recital);
6. Eight credits in MUSC 101, 102, 111, 112, or 114 and four credits of chamber ensembles for instrumentalists (MUSC 124 for percussion), four for keyboardists; eight credits in MUSC 105, 106, or 117, and one credit in MUSC 107 for vocalists;
7. Four semesters of piano (keyboardists must take MUSC 216);
8. Eight semesters in MUSC 012 (performance attendance) and MUSC 014 (masterclass);
9. Completion of the exit examinations in music theory and music history with a minimum score of 70 percent or higher and the completion of the ETS Music Field Test;
10. Passing of the scales (instrumentalists only) and piano proficiency examinations.

Bachelor of Music**Composition Concentration**

1. MUSC 125, 200, 209-210, 211-212, 303-304-305, 306, 309-310, 311-312, 314 or 316;
2. MUSC 401W or 490W, 411, 413, 415;
3. APP COMP 131-132 and 231-232;
4. APPMUSC 131-132 and 231-232 (non-composition); four semesters of MUSC 014;
5. APP COMP 331-332 and 431-432; four semesters of MUSC 014;
6. MUSC 220, 230, 240, and 250;
7. Twelve credits of electives within or outside of MUSC;
8. Eight credits in MUSC 101, 102, 105, 106, 111, 112, 114, or 117;
9. Four semesters of piano;
10. Eight semesters in MUSC 012 (performance attendance);
11. Completion of the exit examinations in music theory

and music history with a score of 70 percent or higher and the completion of the ETS Music Field Test:

12. Passing of the scales (instrumentalists only) and piano proficiency examinations.

The Bachelor of Arts degree in Fine and Performing Arts Music Studies Concentration

In addition to requiring successful completion of the liberal learning curriculum, the Bachelor of Arts degree in fine and performing arts with a concentration in music studies requires successful completion of the liberal learning curriculum and the following major and elective courses:

1. Six credits of upper-level music electives;
2. Six credits of upper-level, non-music electives;
3. MUSC 492 (capstone);
4. Nine credits of upper- or lower-level non-music electives;
5. MUSC 125, 200, 209-210, 211-212, 303-304-305, 306, 309-310, 311-312; MUSC 314 or 316;
6. APP MUSC 131-132 and 231-232; four semesters of MUSC 014;
7. Eight credits in MUSC 101, 102, 105, 106, 111, 112, 114, or 117, depending on area of concentration; one credit of chamber ensembles;
8. Four semesters of piano;
9. Eight semesters in MUSC 012 (performance attendance);
10. One course (3 credits): PHIL 201, 202, 207, 304, 337, 376, 384 or RSTD 337;
11. Three credits in FNAR and three credits in THEA;
12. Completion of the exit examinations in music theory and music history with a score of 70 percent or higher and the completion of the ETS Music Field Test;
13. Passing of the scales (instrumentalists only) and piano proficiency examinations.

The Bachelor of Arts degree in Fine and Performing Arts Creative Studies Concentration

In addition to requiring successful completion of the liberal learning curriculum, the Bachelor of Arts degree in fine and performing arts with a concentration in creative studies requires successful completion of the following major and elective courses.

1. Nine credits of upper- or lower-level, non-music electives from the following: CPSC 110, 125, 140, 150, 250, 270, 280; FNAR 117, 118, 128, 205, 333;
2. Six credits of upper-level, non-music electives from the following: CPSC 327, 330, 335, 350, 440; FNAR 331, 332, 333, 334;
3. MUSC 492 (capstone);
4. Three credits in FNAR;
5. Three credits in THEA or DANC from the following:

- THEA 252, 250; DANC 204, 205, 206;
6. Three credits from the following: PHIL 201, 202, 207, 304, 337, 376, 384; RSTD 337;
 7. MUSC 125, 200, 209-210, 211-212, 303-304-305, 306, 315, 417;
 8. BUSN 302;
 9. Six credits of upper-level music electives;
 10. APP MUSC 131-132, 231-232;
 11. Four semesters of MUSC 014;
 12. Eight credits in MUSC 101, 102, 105, 106, 111, 112, 114, or 117, depending on area of concentration;
 13. Four credits in MUSC 104 (Laptop Ensemble) and one credit in MUSC 104 (Chamber Ensemble);
 14. MUSC 115-116;
 15. Eight semesters of MUSC 012 (performance attendance).

For students who have a strong interest in technology, the following electives are recommended: MATH 115, MATH 128, CPSC 110, CPSC 140, CPSC 150, FNAR 128, FNAR 205, ENGL 304W.

TEACHER PREPARATION IN MUSIC

Completion of the Bachelor of Music degree with a concentration in either pre-certification choral or instrumental *does not* result in teacher certification. Students who wish to become teachers should complete the Bachelor of Music degree with a concentration in either pre-certification instrumental or choral **and** the Master of Arts in Teaching (M.A.T.) degree. Students majoring in music can prepare to teach elementary school, pre-kindergarten through grade six, all core subjects, elementary *and* secondary school, grades PK through 12, in the content area of music, choral, or instrumental.

Application to the five-year M.A.T. program must be made in spring of the junior year. Candidates must have passed the Sophomore Check Point and the Teacher Disposition Rating. See the *Graduate Catalog* for application instructions and requirements. Students accepted into the M.A.T. graduate in four years with the Bachelor of Music degree with a concentration in either pre-certification choral or instrumental and then complete an additional year of study leading to the M.A.T. degree and teacher certification. See the *CNU Graduate Catalog* for the requirements leading to the M.A.T.

In addition to successful completion of the liberal learning curriculum, the degree requires successful completion of one of the following concentrations:

Bachelor of Music Pre-Certification Choral Concentration

Completion of the Bachelor of Music, pre-certification choral concentration, requires admission to the graduate M.A.T. during the junior year. Students who are not successfully admitted to the graduate program will be required to change their major to the Bachelor of Arts in Fine and Performing Arts in music studies which does not include teacher preparation at CNU.

1. MUSC 125, 200, 209-210, 211-212, 303-304-305, 306, 309-310, 311-312, 314, and 401W or 490W;
2. MUSC 220, 230, 240, 250, 260, 265, 266, and one 200-level course in Latin, French, German or Italian;
3. MUSC 137, 337W, 415, 510, and 518;
4. APP MUSC 131-132, 231-232, 331-332, 431-432 (senior recital);
5. Eight credits in MUSC 105, 106, or 117;
6. MATH 125; PSYC 207 or 208; PSYC 312; SOCL 314, CPSC 110, and THEA 230;
7. Four semesters of piano;
8. Eight semesters in MUSC 012 (performance attendance) and MUSC 014 (masterclass);
9. Completion of the exit examinations in music theory and music history with a score of 70 percent or higher and the completion of the ETS Music Field Test;
10. Passing of the piano proficiency examination.

*Note: 500-level courses require minimum 3.00 GPA and M.A.T. graduate admission.

Bachelor of Music Pre-Certification Instrumental Concentration

Completion of the Bachelor of Music, pre-certification instrumental concentration, requires admission to the graduate M.A.T. during the junior year. Students who are not successfully admitted to the graduate program will be required to change their major to the Bachelor of Arts in Fine and Performing Arts in music studies which does not include teacher preparation at CNU.

1. MUSC 125, 200, 209-210, 211-212, 303-304-305, 306, 309-310, 311-312, 316, and 401W or 490W;
2. MUSC 220, 230, 240, 250, 260;
3. MUSC 137, 337W, 415, 510 and 517;
4. APP MUSC 131-132, 231-232, 331-332, and 431-432 (senior recital);
5. Eight credits in either MUSC 101, 102, 111, 112, or 114, depending on area of concentration (four credits of MUSC 112 are required for band emphasis);
6. MATH 125; PSYC 207 or 208; PSYC 312; SOCL 314; CPSC 110; THEA 230;
7. Four semesters of piano;
8. Eight semesters in MUSC 012 (performance attendance) and MUSC 014 (masterclass);
9. Two credits of chamber ensembles (MUSC 124 for percussionists);

10. Completion of the exit examinations in music theory and music history with a score of 70 percent or higher and the completion of the ETS Music Field Test;
11. Passing of the scales and piano proficiency examination.

*Note: 500-level courses require minimum 3.00 GPA and M.A.T. graduate admission.

Elementary level (PK-6)

Major/concentration courses required:

See major requirements for the Bachelor of Music.

Support courses required:

- ENGL 123, 223; 310 or 430, and 316;
- COMM 201 or THEA 230;
- CPSC 110;
- MATH 109, 125;
- HIST 111, 121, 122;
- POLS 101;
- GEOG 210;
- PSYC 208, 312;
- SOCL 314/314L;
- BIOL 107 or 108; CHEM 103; PHYS 141; PHYS 105L or BIOL 109L;
- NSCI 310.

* Support courses may change based on regulations from the Virginia Department of Education.

Graduate courses* required (senior year):

Select six credits from a), b), or c):

- a) MATH 570;
- b) PSYC/TCHG 544;
- c) MLAN 511, ENGL 530.

Elementary/Secondary level (PK-12) Music Endorsement

Major/concentration courses required:

See major requirements for the Bachelor of Music with a concentration in either pre-certification choral or instrumental.

Support courses required:

COMM 201 or THEA 230; ; CPSC 110; MATH 125; PSYC 207 or 208; PSYC 312; SOCL 314.

Graduate courses* required (senior year):

For pre-certification choral students: MUSC 510, 518.

For pre-certification instrumental students: MUSC 510, 517.

* See the graduate catalog for course descriptions.

THE CURRICULUM IN MUSIC

MUSC 012. Performance Attendance (0-0-1)

Fall and Spring.

All students who are enrolled in MUSC 012 must attend a minimum of 15 music events for the semester. Students are

encouraged to attend all concerts and recitals presented on the campus of Christopher Newport University. A student does not receive MUSC 012 credit for a performance in which he or she participates. A minimum of 12 events must be University concerts and recitals, and a minimum of three events must be professional concerts and recitals, and attendance at the Ferguson Center Chamber Music Series concerts are required. A grade of Passing is required for eight enrollments. Required for all music majors.

MUSC 100. University Chorale (1-0-3) AICE

Prerequisite: A grade of C- or higher is required for all Music majors.

Fall and Spring.

An auditioned mixed choral ensemble that performs primarily on campus throughout the academic year. The repertoire includes a variety of musical eras and styles, with an emphasis on masterworks for chorus and an ensemble of instruments, from chamber to full orchestra. Students may register each semester, but no more than eight credits can be counted toward graduation.

MUSC 101. Wind Ensemble (1-0-4) AICE

Fall and Spring.

An auditioned wind band that performs both on and off campus throughout the academic year. The repertoire includes a variety of musical styles, but the primary emphasis is on the masterpieces of the wind band repertoire. Students may register each semester, but no more than eight credits can be counted toward graduation.

MUSC 102. University Orchestra (1-0-4) AICE

Fall and Spring.

An auditioned orchestra that performs both on and off campus throughout the academic year. The repertoire includes a variety of musical styles, but the primary emphasis is on the masterpieces of the orchestral repertoire. Students may register each semester, but no more than eight credits can be counted toward graduation.

MUSC 103. Jazz Ensemble (1-0-3) AICE

Fall and Spring.

An auditioned jazz ensemble that performs both on and off campus throughout the academic year. The repertoire includes a variety of musical styles, but the primary emphasis is on the masterpieces of the jazz ensemble repertoire. Students may register each semester, but no more than eight credits can be counted toward graduation.

MUSC 104. Chamber Ensemble (1-0-1)

Fall and Spring.

This course can be used for both vocal and instrumental chamber ensembles. Performance opportunities vary according to the size and nature of the ensemble. Students may register each semester, but no more than eight credits can be counted toward graduation.

MUSC 105. Chamber Choir (1-0-4) AICE*Fall and Spring.*

An auditioned mixed choral ensemble that performs both on and off campus throughout the academic year. The repertoire includes a variety of musical styles, but the primary emphasis is on the masterworks of the choral repertoire. Students may register each semester, but no more than eight credits can be counted toward graduation.

MUSC 106. Women's Chorus (1-0-4) AICE*Fall.*

This is a year long, auditioned, major ensemble course that is open to any female student at CNU. The group performs primarily on campus throughout the academic year. The repertoire includes a variety of styles; however, emphasis on women's chorus masterworks, as well as a cappella song, throughout the history of choral music is emphasized. Students may register each semester, but no more than eight credits can be counted toward graduation.

MUSC 107. Opera CNU (1-0-4)*Prerequisite: MUSC 261.**Fall.*

This course is intended for the preparation and performance of a fully-staged opera production. The course teaches students proper musical and dramatic preparation for an operatic theatrical production. The course offers musical coaching and rehearsal as well as staging and acting rehearsal that result in a final production of the studied work. Required for music majors pursuing the Bachelor of Music degree with a concentration in vocal performance. Students may register each semester, but no more than eight credits can be counted towards graduation.

MUSC 108. Jazz Combo (1-0-3)*Fall and Spring.*

This course surveys performance, improvisation, and sight reading objectives for a small group in the following areas: Latin, fusion, be-bop, modal, swing, ballad, rock, straight ahead jazz, and vocal jazz. The group performs several times during the course of the semester. A thorough knowledge of jazz theory, chord and scale relationships, and melodic soloing is recommended. Students may register each semester, but no more than eight credits can be counted toward graduation.

MUSC 109. Jazz Combo Advanced (1-0-3)*Fall.*

This class focuses on developing advanced improvisation skills while studying the democratic process of musical collaboration and the standard business practices expected of professional jazz musicians. We will be partnering with organizations such as regional businesses, non-profit organizations and educational institutions to challenge students with a variety of venues and audience expectations. After each performance, the community partner, course instructor

and fellow students provide written evaluations detailing the specific skills required for each endeavor. The Service Learning component of this course requires three performances off campus, which are outside of course hours. Additionally, there is a formal concert at the end of the semester. Students may register each fall, but not more than four credits can be counted toward graduation.

MUSC 112. Marching Band (1-0-6) AICE*Fall.*

The Marching Captains is an auditioned ensemble that performs at all home football games and other campus and community events. Rehearsals focus on the individual preparation of assigned music and drill repertoires, group cohesiveness, and interpretations. Students may register each Fall semester, but no more than eight credits can be counted toward graduation.

MUSC 114. University Band (1-0-4) AICE*Spring.*

An auditioned wind band that meets each spring semester. The repertoire includes a variety of musical styles, but the primary emphasis is on the masterpieces of the wind band repertoire. Students may register each spring semester, but no more than eight credits can be counted toward graduation.

MUSC 115-116. Elementary Keyboard Skills (1-0-3 each)

Prerequisite: music major or consent of the instructor. Pre or Corequisite: for MUSC 115: MUSC 209 and 211 or consent of instructor; for MUSC 116: MUSC 210 and 212 or consent of instructor.

Fall, 115; Spring, 116.

These courses develop basic keyboard skills. The areas of study include scales, arpeggios, block and broken chords, chord progressions, and elementary works composed for the piano. Required for all music majors.

MUSC 117. Men's Chorus (1-0-3) AICE*Fall and Spring.*

This is a year long, auditioned, major ensemble course that is open to any male student at CNU. The group performs primarily on campus throughout the academic year. The repertoire includes a variety of styles; however, emphasis on men's chorus masterworks, as well as a cappella men's glee song, throughout the history of choral music is emphasized. Students may register each semester, but no more than eight credits can be counted toward graduation.

MUSC 120. Saxophone Ensemble (1-0-3)*Fall and Spring.*

The Saxophone Ensemble addresses small ensemble techniques through primarily the medium of the saxophone quartet. All forms of music, from classical saxophone quartet literature to jazz to classical to rock, are covered. Students have the opportunity to demonstrate these techniques through several performances throughout the year. Students may

register each semester, but no more than eight credits can be counted toward graduation.

MUSC 122. String Chamber Music (1-0-3)

Fall and Spring.

Rehearsal and performance of the literature for small string ensembles, especially string quartet. Weekly coachings and performance opportunities as appropriate. Students may register each semester, but no more than eight credits can be counted toward graduation.

MUSC 123. Pep Band (1-0-6) or (0-0-6)

Prerequisite: MUSC 112 or consent of instructor.

Spring.

The Pep Band welcomes each spring all band musicians who performed the previous fall in the CNU Marching Captains. The band is a highly energetic and school-spirited ensemble that performs at most home basketball games and at select University events throughout the spring semester. The zero credit option is open only to non-music majors.

MUSC 124. Percussion Ensemble (1-0-3)

Fall and Spring.

An auditioned ensemble that performs both on and off campus throughout the academic year. The repertoire includes a variety of musical styles, but the primary emphasis is on the masterpieces of the percussion ensemble repertoire. Students may register each semester, but no more than eight credits can be counted toward graduation.

MUSC 125. Elementary Improvisation Skills (1-0-3)

Fall.

This course develops basic improvisation skills. The areas of study include theory, style, composition, scale patterns, and harmonic progressions, and experimentation with various sound sources, manipulating common elements in non-traditional ways. MUSC 125 is required for all music majors.

MUSC 135. Music Fundamentals (1-1-0)

Prerequisite: Music major, music theatre major, or consent of instructor.

Fall.

This course examines the fundamental principles and classifications of tonal music. Topics include scales, keys, intervals, triads, seventh chords, harmonic progressions, and an introduction to analysis. Relevant ear training and keyboard skills are incorporated in the course.

MUSC 137. Introduction to Music Education (1-0-3)

Prerequisite: Pre-Certification major.

Spring.

This course introduces students to the comprehensive musicianship skills necessary to build a successful music education program including creating, responding, performing and connecting concepts within the discipline.

It provides an overview of the multifaceted nature of K-12 music teaching and learning and serves as a foundation for the construction of students' own beliefs and practices as a music teacher. Guided field observations in a variety of settings are part of the course in order to prepare students for observations in more advanced music education coursework. Required for all pre-certification majors.

MUSC 195. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

MUSC 200. Music Technology (1-3-0)

Prerequisite: Music major, music theatre major or consent of instructor.

Fall and Spring.

This course explores publishing, music notation, digital recording and video techniques. Finale music notation software is used for notation and MIDI playback, and GarageBand software is used for sound recording and MIDI sequencing. Creating and editing musical scores for printing and publication are a major focus of the course.

MUSC 204. Jazz Giants (3-3-0) AICE

Prerequisite: ENGL 123.

Jazz is an art form that reflects the spontaneous qualities of the individual genius. The study of a specific jazz artist can illustrate aspects of the genre as a whole as well as deepen the understanding of that individual's contribution to our culture. This course studies the evolution of one of these giants of the jazz idiom and his/her contribution to the art form. It also studies how cultural, socio-economic, and racial tensions within the microcosm of the jazz scene accurately reflect various historical periods of the past. Each term that the course is offered a different jazz giant will be discussed. This course is repeatable for a maximum of six credits.

MUSC 205. Film Music (3-3-0) AICE

Spring.

The course is intended to give students a greater appreciation of cinema (movies and video) by exploring the concept of 'genre' in movie music and discovering how 'genius' might emerge from the collaborative process between director and composer.

MUSC 209-210. Elementary Ear Training (1-0-3)

Prerequisite for 209: music major, or consent of instructor.

Prerequisite for 210: MUSC 209. Pre or Corequisite for 209: MUSC 211 or consent of instructor; Pre or Corequisite for 210: MUSC 212 or consent of instructor.

Fall, 209; Spring, 210.

MUSC 209 includes the study of melodic and harmonic intervals, pitch patterns, chord inversion, bass line dictation, rhythmic dictation, outer voices dictation, and error detection. Sight singing and keyboard exams include scales, pitch

patterns, melodies and rhythms, keyboard progressions, and sight singing. MUSC 209 includes an introduction to the music holdings and media center in the Tribble Library. MUSC 210 includes seventh chords, two-part dictation, progressively advancing dictation, sight singing, keyboard skills, diatonic and chromatic melodies, functional harmonic progressions, and two-voice counterpoint. Required for all music majors.

MUSC 211. The Tonal System (3-3-0)

Prerequisite: music major, or consent of instructor; Pre or Corequisite: MUSC 209.

Fall.

This course examines the underlying principles and classifications of tonal music. Topics include scales, keys, intervals, triads, seventh chords, harmonic progression, and an introduction to part-writing and voice leading. Required for all music majors.

MUSC 212. Tonal Harmony and Voice Leading (3-3-0)

Prerequisite: MUSC 211; Pre or Corequisite: MUSC 210.

Spring.

MUSC 212 continues the study of chord function and voice-leading norms begun in MUSC 211. Students develop skills in part-writing and analysis as well as an understanding of the tonal phrase and non-chord tones. Required for all music majors.

MUSC 214. Jazz History and Literature (3-3-0)

[Formerly MUSC 408, equivalent] AICE

This course studies the inception and evolution of jazz through various stylistic periods of the twentieth century, recognizes great jazz artists and their contributions to the idiom, investigates the vital role of African-American culture present in the music, through detailed knowledge of jazz in recorded form.

MUSC 215. Advanced Keyboard Skills I (1-0-3 each)

Prerequisite: music major or consent of instructor.

Pre or Corequisite: for MUSC 215: MUSC 309 and 311 or consent of instructor.

Fall.

This course develops basic keyboard skills. The areas of study include scales, arpeggios, block and broken chords, chord progressions, and advanced works composed for the piano. Required for all music majors.

MUSC 216. Advanced Keyboard Skills II (1-0-3 each)

Prerequisite: MUSC 215. Pre or Corequisite: MUSC 310 and 312 or consent of instructor.

Spring.

This course further develops practical keyboards skills and cultivates more advanced keyboard skills. The areas of study include accompanying, clef reading, transposition, sight reading, score reading (choral and instrumental), figured bass reading, jazz chart reading, Hanon finger exercises, and four-handed repertoire. Required for all music majors.

MUSC 220. Brass Instrument Techniques (1-3-0)

Fall.

Instruction, literature, and teaching methods for trumpet, horn, trombone, euphonium, and tuba. Students teach in one-on-one and class settings and are required to complete a total of six hours of observation in the public schools and at CNU. Required for music majors pursuing the Bachelor of Music degree with a concentration in either pre-certification or composition.

MUSC 230. Woodwind Instrument Techniques (1-3-0)

Spring.

Instruction, literature, and teaching methods for flute, oboe, bassoon, clarinet, and saxophone. Students teach in one-on-one and class settings and are required to complete a total of six hours of observation in the public schools. Required for music majors pursuing the Bachelor of Music degree with a concentration in either pre-certification or composition.

MUSC 240. Percussion Techniques (1-3-0)

Fall.

Instruction, literature, and teaching methods for timpani, snare drum, xylophone, bass drum, cymbals, Latin and jazz drums, and auxiliary instruments. Students teach in one-on-one and class settings and are required to complete a total of six hours of observation in the public schools. Required for music majors pursuing the Bachelor of Music degree with a concentration in either pre-certification or composition.

MUSC 250. String Instrument Techniques (1-3-0)

Spring.

Instruction, literature, and teaching methods for violin, viola, violoncello, double bass, and guitar. Students teach in one-on-one and class settings and are required to complete a total of six hours of observation in the public schools and at CNU. Required for music majors pursuing the Bachelor of Music with a concentration in either pre-certification or composition.

MUSC 260. Voice Techniques (1-2-0)

Fall.

Principles of voice production and pedagogy. Topics include breathing, posture, registration, voice classification (adolescent through adult), principles of resonance, the physiology of singing, selecting vocalizes and warm-up techniques, vowel purity, and articulation. Students teach in one-on-one and class settings and are required to complete a total of six hours of observation in the public schools. Required for music majors pursuing the Bachelor of Music degree in pre-certification.

MUSC 261. Opera Workshop (1-0-4)

Prerequisite: Voice major and consent of instructor.

Spring.

A course requiring participation in opera scenes and performance in the community recital program, including perform-

ing the prepared scenes in area schools. All roles are assigned to accommodate the specific abilities of each student. In addition, basic stage movement, audition techniques, and performance preparation are addressed. A service learning component, including a performance journal documenting your experiences in civic responsibility, is required. Please note that performances will take place off campus and outside of course hours. Required for music majors pursuing a Bachelor of Music degree with a concentration in vocal performance.

MUSC 262. Opera Throughout History (3-3-0) AIWT

Prerequisite: ENGL 123.

Fall and Spring.

This course is a survey of opera from its beginnings in the late sixteenth century to opera films and streaming in the twentieth century. We will examine this multimedia form in a wide variety of cultural, historical and political contexts. To experience opera firsthand, the class will attend an opera performance of the Virginia Opera, and they will also watch a number of operas on DVD and through live in HD streams from the Metropolitan Opera in New York. Most importantly, this course aims to de-mystify this “elite” art form and relate it to recent developments in technology, multimedia and spectacle.

MUSC 265. Foreign Language Diction I (1-3-0)

Fall.

A course designed to introduce the correct pronunciation of English and Italian for singing. The class does not concentrate on the grammatical structures of the languages but, instead, upon the correct and proper use of the sounds of the language as appropriate for classical singing. Required for music majors pursuing the Bachelor of Music degree with a concentration in either pre-certification choral or vocal performance.

MUSC 266. Foreign Language Diction II (1-3-0)

Spring.

A course designed to introduce the correct pronunciation of French and German for singing. The class does not concentrate on the grammatical structures of the languages but, instead, upon the correct and proper use of the sounds of the language as appropriate for classical singing. Required for music majors pursuing the Bachelor of Music degree with a concentration in either pre-certification choral or vocal performance.

MUSC 295. Special Topics (credits vary 1-3)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

MUSC 303-304-305. History of Western Music (3-3-0)

Prerequisite for 303: MUSC 212; Prerequisite for 304: MUSC

303; Prerequisite for 305: ENGL 223 with a C- or higher and MUSC 304;

Fall, 303 and 305; Spring, 304.

A three-semester sequence that surveys musical styles, literature, and thought in Western music from the ancient world to the present day. The courses include extensive reading, library work, and listening. Required for all music majors.

MUSC 306. Global Transformations: “World Music” and the “World” (3-3-0) AIGM

Prerequisite: ENGL 223.

Spring.

In this course we will examine the ways in which various world music practices and genres exemplify the main issues related to the process of globalization. While often regarded as “pure” entertainment, music provides powerful modes of interaction within and across cultures. Music also often serves as a metaphor and can be a first indicator of social and political transformations. Some of the questions we will address are: What is globalization and how is it expressed in world music? How does music influence various aspects of globalization? In what ways are musical practices heralding social and political shifts in today’s world?

MUSC 309-310. Advanced Ear Training (1-0-3 each)

Prerequisite for 309: MUSC 210; Pre or Corequisite for 309: MUSC 311 or consent of instructor;

Prerequisite for 310: MUSC 309. Pre or Corequisite for 310: MUSC 312 or consent of instructor.

Fall, 309; Spring, 310.

MUSC 309 includes advanced dictation, sight singing, rhythm, keyboard skills, diatonic, chromatic, and atonal melodies, secondary dominants, functional harmonic progressions, two-voice counterpoint, and modulation. MUSC 310 includes progressively advancing dictation, sight singing, rhythm, keyboard skills, diatonic and chromatic melodies, modes, secondary dominants, extended tertians, mode mixture, chromatic mediant modulation, functional harmonic progressions, and two-voice counterpoint. Required for all music majors.

MUSC 311. Chromatic Harmony (3-3-0)

Prerequisite: MUSC 212; Pre or Corequisite: MUSC 309.

Fall.

Chromatic Harmony explores secondary function, modulation, form, mode mixture, and the Neapolitan chord. Through part-writing and analysis, students learn to recognize and use these common chromatic techniques. Required for all music majors.

MUSC 312. Extended Tonal Techniques and Atonality (3-3-0)

Prerequisite: MUSC 311; Pre or Corequisite: MUSC 310.

Spring.

MUSC 312 introduces augmented 6ths, enharmonic reinterpretation, and other chromatic phenomena. Principles of

post-tonal theory are explored through the analysis of select music of the 20th century. Required for all music majors.

MUSC 314. Principles of Choral Conducting (3-3-0)

Prerequisite: MUSC 310, 312, or consent of instructor.
Fall.

This course includes study of baton technique, beat patterns and gestures, cuing, transpositions, terminology, score analysis, score preparation, rehearsal techniques, programming, seating arrangements, performer/conductor rapport, and more. Students conduct live choral ensembles both in the classroom and in the rehearsal hall and are required to complete a total of six hours of observation in the public schools. Required for music majors pursuing the Bachelor of Music degree in either pre-certification choral or vocal performance.

MUSC 315. Digital Creativity with Music Technology (3-3-0) AICE

Prerequisite: ENGL 223.
Fall and Spring.

The course focuses on specific creative software programs and hardware, providing a broad understanding of the ever-evolving field of music technology. Applied study in the basic theory and hands-on operation of the “Digital Audio Workstation” allows students to conceive, create, and produce musical works using digital audio, the Musical Instrument Digital Interface (MIDI), and computer software. An emphasis is placed on creative experience creating sound art with digital technologies and theoretical topics including acoustics, sound synthesis, signal processing and digitization.

MUSC 316. Principles of Instrumental Conducting (3-3-0)

Prerequisite: MUSC 310, 312, or consent of instructor.
Fall.

This course includes study of baton technique, beat patterns and gestures, cuing, transpositions, terminology, score analysis and preparation, rehearsal techniques, programming, seating arrangements, performer/conductor rapport, and more. Students conduct live instrumental ensembles both in the classroom and in the rehearsal hall. Required for music majors pursuing the Bachelor of Music degree with a concentration in either pre-certification instrumental or instrumental performance.

MUSC 337. WI: Music in the Elementary Schools (3-3-0)

Prerequisite: MUSC 137, 310, 312, music major, or consent of instructor.
Fall.

This course is designed to prepare pre-certification majors to teach general music in the elementary music classroom. It requires the student to imagine, engage, play, and reflect upon musical experiences of children. You will also be asked to convey, design, and engage others in musical experiences that could be used in an elementary music classroom. We

will survey and experience a wide scope of developmental theories and music methods and you will be asked to apply these concepts in your own teaching. Required for all pre-certification majors. This course partially satisfies the writing intensive requirement.

MUSC 391. String Literature and Pedagogy (3-3-0)

Prerequisite: Junior standing and APP STRINGS 232/234.
Spring, as needed.

A survey of solo and chamber music literature and the historical development of the violin, viola, violoncello, double bass and guitar. Teaching materials, including exercises, etudes, and methods for private and class instruction, are discussed in addition to learning the standard orchestral excerpts of each instrument. Students teach in one-on-one and class settings and are required to complete a total of six hours of observation in the public schools and at CNU. Required for music majors pursuing the Bachelor of Music degree with a concentration in string performance.

MUSC 394. Keyboard Literature and Pedagogy (3-3-0)

Prerequisite: Junior standing and APP KEYBOARD 232 or 234.

Spring, as needed.

Discussed are the literature and history of keyboard instruments in addition to teaching materials for both private and class instruction. Memorization and sight reading are also addressed. Students teach in one-on-one and class settings and are required to complete a total of six hours of observation in studios. Required for music majors pursuing the Bachelor of Music degree with a concentration in keyboard performance.

MUSC 395. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

MUSC 396. Woodwind Literature and Pedagogy (3-3-0)

Prerequisite: Junior standing and APP WOODWINDS 232 or 234.

Fall, as needed.

A survey of solo and chamber music literature and the historical development of the flute, oboe, bassoon, clarinet, and saxophone families. Teaching materials, including exercises, etudes, and methods for private and class instruction, are discussed in addition to learning the standard orchestral excerpts of each instrument. Students teach in one-on-one and class settings and are required to complete a total of six hours of observation in the public schools and at CNU. Required for music majors pursuing the Bachelor of Music degree with a concentration in woodwind performance.

MUSC 397. Brass Literature and Pedagogy (3-3-0)

Prerequisite: Junior standing and APP BRASS 232 or 234.

Spring, as needed.

A survey of solo and chamber music literature and the historical development of the trumpet, horn, trombone, euphonium, and tuba. Teaching materials, including exercises, etudes, and methods for private and class instruction, are discussed in addition to learning the standard orchestral excerpts of each instrument. Students teach in one-on-one and class settings and are required to complete a total of six hours of observation in the public schools and at CNU. Required for music majors pursuing the Bachelor of Music degree with a concentration in brass performance.

MUSC 398. Percussion Literature and Pedagogy (3-3-0)

Prerequisite: Junior standing and APP PERC 232 or 234.

Spring, as needed.

A survey of solo and chamber music literature. Also studies the origin, development, and influences of indigenous instruments and their uses in contemporary music. Teaching materials, including exercises, etudes, and methods for private and class instruction, are discussed in addition to learning the standard orchestral excerpts of each instrument. Students teach in one-on-one and class settings and are required to complete a total of six hours of observation in the public schools and at CNU. Required for music majors pursuing the Bachelor of Music degree with a concentration in percussion performance.

MUSC 401. WI: Seminar in Music Bibliography (3-3-0)

Prerequisite: ENGL 223 with a C- or higher, MUSC 305 and 312, and junior standing.

Spring, as needed.

A writing-intensive course intended to serve as a basic course in identifying and employing materials available for music research and writing. It prepares students for using those materials as professional practicing musicians and for the investigative study required and expected of music students in graduate programs. This course partially satisfies the writing intensive requirement.

MUSC 411. Post-Tonal Theory (3-3-0)

Prerequisite: MUSC 312.

Spring, as needed.

Post-Tonal Theory explores the compositional techniques arising with the decline of tonality's preeminence in the early Modern era. By engaging important musical literature from the 20th and 21st century, flexible analytic tools are used to facilitate a contextual interpretation of works. At the end of the semester, students marshal an array of theoretical concepts and compositional techniques to produce a composition of their own. Required for music majors pursuing the Bachelor of Music degree with a concentration in composition.

MUSC 413. Counterpoint (3-3-0)

Prerequisite: MUSC 310, 312.

Spring, as needed.

A study through analysis and compositional assignments of

modal and eighteenth-century counterpoint. After completing exercises in the techniques of species counterpoint, students study the larger forms of inventions, canons, fugues, and chorale-based compositions. Required for music majors pursuing the Bachelor of Music degree with a concentration in composition.

MUSC 415. Orchestration (1-1-0)

Prerequisite: MUSC 200, 310, 312.

Fall.

A course in which the basic concepts of arranging music for various groups of instruments are studied. After a general survey of the instruments of the orchestra covering ranges, clefs, timbre, special effects, and terminology, techniques of actual orchestration are studied through written projects and analysis of scores. Required for music majors pursuing the Bachelor of Music degree with a concentration in composition or pre-certification.

MUSC 416. Jazz Composition and Arranging (3-3-0)

Prerequisite: MUSC 200, 310, and 312 or consent of instructor.

Spring, as needed.

An extensive study of techniques used in composing and arranging for various sized jazz ensembles. Writing skills will be developed through listening, transcription, composition analysis and score study.

MUSC 417. Studio Production (3-2-1)

Prerequisite: MUSC 200, MUSC 315, or consent of instructor. A grade of C- or higher is required for all Music majors.

Fall and Spring.

This course examines the constantly changing and creative roles of production in recorded music over the last 50 years. Topics and themes for this course will include the analysis of key recordings, theoretical and practical understanding of recording and production technologies, the development in music production, highly developed listening skills and creative projects where hands on experience gives students professional recording experience. This class will also focus on recording outside of the studio in different live sound and small venue situations. Theoretical topics also include acoustics, psychoacoustics, deep listening and basic signal processing.

MUSC 420. Choral Literature (3-3-0)

Prerequisite: MUSC 310, 312, and 314 or 316, keyboard performance major or consent of instructor.

Fall.

A survey course which requires historical and structural analysis of major choral literature from the Renaissance to the present. Special emphasis is placed on major works, composers, compositional styles, analysis, programming, and error detection. Students read and discuss a variety of material to develop the knowledge and pedagogical skills necessary to become effective teachers, scholars, and musicians.

MUSC 430. Wind Literature (3-3-0)

Prerequisite: MUSC 310, 312, and 314 or 316, senior instrumental performance or keyboard performance major or consent or instructor.

Fall.

A comprehensive study of wind groups focusing on instrumentation and literature from the earliest beginnings to the present. Special emphasis is placed on major works, composers, stylistic changes, programming, and error detection. Students read and discuss a variety of material to develop the knowledge and pedagogical skills necessary to become effective teachers, scholars, and musicians.

MUSC 440. Orchestral Literature (3-3-0)

Prerequisite: MUSC 310, 312, and 314 or 316 or consent of instructor.

Fall.

A comprehensive study of orchestral groups focusing on instrumentation and literature from the earliest beginnings to the present. Special emphasis is placed on major works, composers, stylistic changes, programming, and error detection. Students read and discuss a variety of material to develop the knowledge and pedagogical skills necessary to become effective teachers, scholars, and musicians.

MUSC 450. Vocal Literature (3-3-0)

Spring, rotational.

A survey of the development of Western art music song with special emphasis placed on composers, poets, and compositions since the seventeenth century. Required for music majors pursuing the Bachelor of Music degree with a concentration in vocal performance.

MUSC 490. WI: The Falk Seminar in Music Historical Research (3-3-0)

Prerequisite: ENGL 223 with a C- or higher; and MUSC 303-304-305W.

Spring, as needed.

A proseminar that facilitates the scholarly preparation, writing, and annotation of research findings through accurate and disciplined use of conventional style sheets. Students conduct research, examine and report on materials in the library, and undertake a selected writing project. Students question each other's findings, methods, and procedures orally. This course partially satisfies the writing intensive requirement.

MUSC 491. Practicum in Music (1-0-1)

Prerequisite: senior standing or consent of instructor; cumulative GPA of 3.0 or higher; endorsement of two CNU music faculty and the Chair of Music.

As needed.

This course is a closely monitored, one-semester internship with a prominent organization in the student's specific field of study. Students must successfully complete a minimum of twenty hours of on-site training for which they receive an

evaluation by their training supervisor in the organization. The student must also present a project journal to the training supervisor and the faculty supervisor.

MUSC 492. Music Capstone Project (3-0-3)

Prerequisite: Senior standing or consent of instructor.

As needed.

The format of the project can be a research paper, a multimedia project, or a lecture-recital. The major theme must include exploring pervasive cross-cultural and/or interdisciplinary influences in music. Required will be an analysis of the information from multiple sources to understand a proposed topic; a synthesis of information from multiple music disciplines (theory, history, performance, technology, etc.) to address the issue; a skillful presentation and defense of value judgments on the chosen topic; a demonstration of effective qualitative research methods; and the understanding of the importance of professional presentation of material and self-presentation. The selected capstone project requires approval by the supervising faculty member and the department chair before it is allowed to commence. The course is required for all music majors pursuing the Bachelor of Arts degree in Fine and Performing Arts.

MUSC 495. Special Topics (credits vary 1-3)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. The course may also be used to obtain credit for participation in national workshops and conferences.

MUSC 496. Vocal Pedagogy (3-3-0)

Prerequisite: Junior standing and APP VOICE 232 or 234.

Fall, rotational.

Techniques and methods used in voice building and coaching of song literature. Topics include voice classification, quality, diction, registration, breath management, psychology, and physiology. Students teach in one-on-one and class settings and are required to complete a total of six hours of observation in the public schools and at CNU. Required for music majors pursuing the Bachelor of Music degree with a concentration in vocal performance.

MUSC 499. Independent Study or Thesis (credits vary 1-3)

Prerequisite: junior or senior standing, consent of instructor and Department Chair.

Independent study provides special opportunities for students to explore specific areas of music and research outside the limitations of regular music offerings. Students desiring to pursue independent study should first receive the approval of a faculty member whose expertise is relevant to the project and then submit a project proposal to the Chair of Music.

THE CURRICULUM IN APPLIED MUSIC

APP MUSC 014. Applied Music Master Class (0-0-1)

Prerequisite: Music major, consent of instructor and Director of Music.

Corequisite: APP MUSC 131 or higher.

Fall and Spring.

All students who are enrolled in MUSC 014 must be a music major and enrolled concurrently in APP MUSC 131 or higher. Students are required to attend this weekly, 50-minute masterclass in which they perform, present and receive constructive criticism from faculty and their colleagues, and learn how to practice, to interact with collaborative artists, and to perform using professional stage etiquette. A grade of *P* (passing) is required for eight enrollments.

APP MUSC 130. Applied Music: piano, organ, strings, harpsichord, woodwinds, brass, percussion, voice, composition, jazz improvisation, and conducting. (1-0-0.5) or (2-0-1)

Prerequisite: consent of instructor and Director of Music.

Fall and Spring.

For one credit hour, students receive one 25-minute lesson per week and are required to attend and to participate in the weekly masterclass. For two credit hours, students receive one 50-minute lesson per week and are required to attend and to participate in the weekly masterclass. APP MUSC 130 is intended for music majors pursuing a minor area of performance. The repertoire for all lessons is determined by the instructor according to the level and ability of the student. Students may repeat APP MUSC 130 up to eight times for credit toward graduation. An applied music fee is charged each semester (see fees and financial information).

APP MUSC 131, 132, 231, 232, 331, 332, and 431. Applied Music: piano, organ, strings, woodwinds, brass, percussion, composition, and voice (1-0-0.5)

Prerequisite: Music major, consent of instructor and Director of Music. Corequisite: MUSC 014.

Fall and Spring.

Students receive one 25-minute lesson per week. Auditions are required for new students. The repertoire is determined by the instructor according to the level and ability of the student. A 15-minute hearing is required at the completion of APP MUSC 232 to determine whether or not the student may advance to APP MUSC 331. None of the credits can be repeated for credit toward graduation. An applied music fee is charged each semester (see fees and financial information).

APP MUSC 133, 134, 233, 234, 333, 433. Applied Music: piano, organ, strings, woodwinds, brass, percussion, voice, jazz improvisation and conducting (2-0-1)

Corequisite: MUSC 014.

Prerequisite: Music performance or consent of instructor and Director of Music. Corequisite: MUSC 014.

Fall and Spring.

Students receive one 50-minute lesson per week and are required to attend and to participate in the weekly masterclass. Completion of APP MUSC 234 and acceptance into the Bachelor of Music degree with a concentration in performance are required to proceed to APP MUSC 333. The instructor, according to the level and ability of the student, determines the repertoire. None of the credits can be repeated for credit toward graduation. An applied music fee is charged each semester (see fees and financial information).

APP MUSC 334. Applied Music: Junior Recital (2-0-1)

Prerequisite: Music performance major; consent of instructor and Director of Music; junior standing. Corequisite: MUSC 014.

Fall and Spring.

Students receive one 50-minute lesson per week and are required to attend and to participate in the weekly masterclass. A 30-minute junior recital is required during the semester of APP MUSC 334. The recital should include one work for chamber ensemble. None of the credits can be repeated for credit toward graduation. An applied music fee is charged each semester (see fees and financial information).

APP MUSC 432. Applied Music: Senior Recital (1-0-0.5)

Prerequisite: Music major; consent of instructor and Director of Music; senior standing. Corequisite: MUSC 014.

Fall and Spring.

Students receive one 25-minute lesson per week and are required to attend and to participate in the weekly masterclass. A 60-minute senior recital is required during the semester of APP MUSC 432. The recital must include one work for chamber ensemble. None of the credits can be repeated for credit toward graduation. An applied music fee is charged each semester (see fees and financial information).

APP MUSC 434. Applied Music: Senior Recital (2-0-1)

Prerequisite: Music performance major; consent of instructor and Director of Music; senior standing.

Corequisite: MUSC 014.

Fall and Spring.

Students receive one 50-minute lesson per week and are required to attend and to participate in the weekly masterclass. A 60-minute senior recital is required during the semester of APP MUSC 434. The recital must include one work for chamber ensemble. None of the credits can be repeated for credit toward graduation. An applied music fee is charged each semester (see fees and financial information).

NEUROSCIENCE PROGRAM

Dr. Andrew J. Velkey, Director

Forbes Hall 1053

(757) 594-7927

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Faculty

Professor: Cartwright

Associate Professor: Grau, Meighan, Mitrano, Velkey, Webb

Assistant Professor: Campolattaro, Lipatova, Rollins, Wiens

Mission Statement

The Neuroscience Program is an interdisciplinary degree program housed within the College of Natural and Behavioral Sciences. Upon successful completion of the curriculum, students are awarded a B.S. in Interdisciplinary Studies with a Major in Neuroscience. The mission of the Neuroscience Program is to offer students a comprehensive, rigorous, interdisciplinary curriculum in neuroscience and its many ancillary professional applications. Excellence in didactic and laboratory investigation is the objective of this program. Students will gain a systematic introduction to the scientific methodologies, theories, and literature focused on the anatomy, physiology, and biochemistry of the nervous system. In addition, students will develop skills in conducting independent research on aspects of neural functioning reflecting both molar and molecular levels of analysis.

The members of the Neuroscience Program faculty are dedicated to presenting their students with engaging and challenging courses in the current, basic and applied discipline of neuroscience and presenting them the opportunity to engage in a diversity of undergraduate research projects in basic and applied neuroscience.

Curricular Relevance to Graduate Education

The neuroscience curriculum prepares our undergraduates for highly selective and competitive graduate programs. We aim to produce graduates prepared for and qualified to pursue postgraduate study in neuroscience, psychology, biology, pharmaceutical and medical chemistry, and medicine. As well, the interdisciplinary major in neuroscience is integral to a broad liberal arts and science undergraduate education. Our key and central objective lies in training scholars, teachers, and practitioners who will exercise their intelligence, industriousness, and integrity in the pursuit of productive personal and professional lives.

Neuroscience and Pre-Medical Education

The 2009 report of the Association of American Medical Colleges - Howard Hughes Medical Institute on *Scientific Foundations for Future Physicians* describes eight general competencies that should be explicit in each applicant at

the time of medical school matriculation. The neuroscience curriculum is designed to produce graduates who meet all eight competencies and who will compete successfully for admission to elite medical schools (generally meaning those with an explicit research orientation as opposed to those who specialize only in practitioner preparation).

The eight competencies from the AAMC-HHMI report are:

1. Apply quantitative reasoning and appropriate mathematics to describe or explain phenomena of the natural world.
2. Demonstrate understanding of the process of scientific inquiry, and explain how scientific knowledge is discovered and validated.
3. Demonstrate knowledge of basic physical principles and their applications to the understanding of living systems.
4. Demonstrate knowledge of basic principles of chemistry and some of their applications to the understanding of living systems.
5. Demonstrate knowledge of how biomolecules contribute to the structure and function of cells.
6. Apply understanding of principles of how molecular and cell assemblies, organs, and organisms develop structure and carry out function.
7. Explain how organisms sense and control their internal environment and how they respond to external change.
8. Demonstrate and understanding of how the organizing principle of evolution by natural selection explains the diversity of life on earth.

The Bachelor of Science in Interdisciplinary Studies Neuroscience Major

The neuroscience curriculum includes the neuroscience core and electives as well as additional required coursework in biology, chemistry, mathematics, physics, and psychology and optional coursework in computer science.

The Bachelor of Science degree in interdisciplinary studies with a major in neuroscience requires the successful completion of a minimum of 55 credits in the major. In addition to the successful completion of the liberal learning curriculum, the degree requires successful completion of the following courses:

1. Core: NEUR 201, 301W/301L, 305;
2. BIOL 211/211L;

3. CHEM 121/121L-122/122L, and 321/321L;
4. PHYS 151/151L-152/152L;
5. MATH 125 and 130 or higher (MATH 140 or 148 is strongly recommended);
6. Select at least 6 credits of additional NEUR courses at the 300- or 400-level, with at least 3 credits at the 400-level;
7. Select one (minimum of 3 credits): BIOL 307/307L, 313, 314/314L, 411, BCHM 414/414L, CHEM 322/322L, CPSC 471;
8. Select one (minimum of 3 credits): PSYC 305, 406/406L, 408/408L, 415/415L, or 428/428L;
9. IDST 490.

THE CURRICULUM IN NEUROSCIENCE

NEUR 201. Introduction to Neuroscience (3-3-0)

Prerequisites: PSYC 201 or BIOL 211/211L.

Spring.

This course is designed to provide a comprehensive introduction to the field of neuroscience and the basic principles of organization and function of the nervous system. An exploration of the neural basis of behavior at the cellular and systems levels will span the following topics: anatomy and development of the brain, cell biology, membrane potential, synaptic transmission, sensory and motor systems, and higher brain function such as memory and language.

NEUR 301. WI: Research Methods in Neuroscience (4-3-0)

Prerequisites: MATH 125, NEUR 201, BIOL 211/211L and ENGL 223 with a C- or higher.

Corequisite: NEUR 301L.

Spring.

This course will provide an introduction to research design in empirical neuroscience research. General topics will include the scientific method, research ethics and research design. Students will also learn about methods such as EEG/ERP, structural and functional MRI, single- and multi-unit recording, transgenic and knockout methods with associated histological techniques, as well as lesion-based behavioral approaches. Students will write literature reviews and empirical research reports. This course partially satisfies the writing intensive requirement.

NEUR 301L. Research Methods in Neuroscience Laboratory (0-0-4)

Corequisite: NEUR 301W.

Spring.

This laboratory course will provide students with an experiential introduction to research design in empirical neuroscience research. General topics will include the scientific method, research ethics and research design. Students will gain experience writing empirical research reports. Lab fees apply each term.

NEUR 305. Neurobiology (3-3-0)

Prerequisites: NEUR 201 and (BIOL 201/201L or BIOL 211/211L), each completed with a C- or higher.

Fall.

This course will cover the basic biological principles and processes involved in neural function, including the common architectural elements and functional processes of neurological systems, from the cellular/molecular to the organ system level. Integrative functions and behavior will be explored as well as developmental facets of neural function, neural plasticity and neuroendocrine functions.

NEUR 316. Brain and Cognition (3-3-0)

[Same as PSYC 316]

Prerequisites: NEUR 201 or PSYC 201 and 202, each completed with a C- or higher.

Fall and Spring.

This course examines behavioral and neuroscience research on human cognitive processes including perception, attention, memory, language, emotion, decision making, and executive functioning. In this course, the students will learn about the empirical methods, theoretical models, as well as classic and current research that cognitive neuroscientists use to study various topics within the broader field. In addition, it is expected that students will be able to identify how these cognitive processes are applicable to the situations we encounter in our everyday lives.

NEUR 360. Neuroendocrinology (3-3-0)

Prerequisites: NEUR 201, 305, each completed with a C- or higher.

Spring.

This course focuses on the neuroendocrine system and the regulation of behavior in humans and animals. Special consideration will be given to the interaction between brain structures and the endocrine system as related to reproduction and parenting behavior, stress responding, foraging and feeding behavior, and circadian rhythms. Example topics include neuroendocrine signaling pathways such as the hypothalamic-pituitary-adrenal axis, circadian regulation of gene expression as it related to brain function and behavior, and the role of neurotransmitter expression in attachment behaviors.

NEUR 395. Special Topics in Neuroscience (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of the faculty. Students who are interested in having a topics course in a certain area should make their suggestion to the program director. Students may earn up to 9 credits in topics courses, but may not earn more than 3 credits for any single topic, should that topic be repeated.

NEUR 410. Neurobiology of Memory (3-3-0)

Prerequisites: NEUR 301W/301L and NEUR 305, each completed with a C- or higher.

Fall.

The focus of this course is on the neurobiological basis of memory as viewed from an integrative framework. Coursework will explore mechanisms of memory at cellular and molecular levels, through behavioral and physiological experimental studies, and in neuropsychological case studies. The goal of the course is to understand how the brain can support proper encoding, storage, and retrieval of various types of memories.

NEUR 420. Neuroanatomy (3-3-0)

Prerequisites: NEUR 201, NEUR 301W/301L, and NEUR 305, each completed with a C- or higher.

Spring.

This course provides an introduction to the anatomy and function of the human nervous system. Emphasis will be on cellular structure and function, neural development, and gross anatomy and function of the cerebrum, brainstem, cranial nerves, and spinal cord.

NEUR 430. Neurobiology of Addiction (3-3-0)

Prerequisites: NEUR 201, 301W/301L and NEUR 305, each completed with a C- or higher.

Fall.

This course will focus on the neurobiological processes that underlie drug effects, addiction, treatment and relapse. Students will learn the neural and physiological effects of the most commonly abused drugs at the cellular level. The course will include an introduction to basic pharmacology, including the pharmacodynamics and pharmacokinetics of the most highly abused drugs. The course readings will focus on the most current research that is being performed in the neuroscientific community in the area of addiction, as our understanding of the brain and causes of addiction are continually changing as the technology used to examine neurobiology continually evolves.

NEUR 495. Advanced Topics in Neuroscience (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of the faculty. Students who are interested in having a topics course in a certain area should make their suggestion to the program director. Students may earn up to 9 credits in topics courses, but may not earn more than 3 credits for any single topic, should that topic be repeated.

NEUR 499. Independent Study in Neuroscience (Credits vary 1-3)

Prerequisite: As determined by and with the consent of the instructor.

Topics vary, determined by the special interests and needs of students and the expertise of the faculty.

DEPARTMENT OF PHILOSOPHY AND RELIGION

Dr. Kip H. Redick, Chair
McMurran Hall 261
(757) 594-8827
kredick@cnu.edu

Faculty

Professor: Redick, Schweig, Strehle, J. M. Thompson, Underwood
Associate Professor: Jelinek, Silverman, Timani
Assistant Professor: Balay, Gardner
Senior Lecturer: Hutchinson
Lecturer: Homan, Tweedt
Emeriti: Campbell, Beauchamp, Powell, Rose, Teschner

Mission Statement

The mission of the Department of Philosophy and Religion is to foster rational investigation toward the great philosophical questions of existence, knowledge, ethics and religious thought and practice. The department focuses on engaging students in ways of knowing and believing in diverse cultures and religions in the ancient, medieval, modern and contemporary world.

The faculty seeks to cultivate a learning environment in which students broaden their perspectives, refine their thinking, and learn to reason and communicate in a critical, clear, and consistent manner. Students and faculty work together addressing timeless questions related to the human search for meaning, truth, value and spirituality.

Majoring in Philosophy and Religion at CNU prepares students for graduate study in diverse fields including philosophy, theology, seminary, law, education, and international studies, as well as for living a productive and creative life in any vocation. In addition to preparing people for a profession in these fields and for an enriched life generally, philosophy is also an entry point for a variety of other professions. Philosophy majors enter graduate school for advanced degrees in various humanities disciplines and then go on to college-level teaching. Others enter graduate programs in business administration or law, for which training in logical analysis and value-awareness provides an excellent background. According to the Law School Admission Council data, philosophy and theology students rank first or second highest in performance on the LSAT among a set of 29 disciplines surveyed. Additionally, philosophy majors have among the highest rates of acceptance to law school of any major. The offerings of the department fully prepare students for graduate work in philosophy and religion as well as for the continuation of their education in other academic disciplines. Students who minor in philosophy are enriched in their understanding of their major field of study by gaining broader insight into its intellectual history and theoretical presuppositions. Students who take only a few

courses in philosophy benefit by enhancing their persuasive, expressive, and analytic skills. A liberal arts degree in general and a philosophy degree specifically situates students in the deepest reflections of humanity, empowering them to go into a broad range of practical professions that make use of critical reasoning and necessary communication skills in a dramatically changing world.

The Department of Philosophy and Religion offers the Bachelor of Arts in Philosophy, the Bachelor of Arts in Philosophy with concentrations in Pre-Seminary Studies or Studies in Religion and a minor in philosophy. These concentrations allow students to explore their primary areas of interest while pursuing a Philosophy degree.

The **Pre-seminary** concentration provides the student with a broad view of various religions and a focus on the discipline of theology while at the same time applying religious concepts to issues of value and practice. The concentration seeks to prepare the student for further studies in religion beyond those encountered in their undergraduate education. Students who concentrate in pre-seminary studies are expected to do a practicum in the religion of their choice. The area provides opportunity to do field work at churches, mosques, synagogues, and Buddhist and Hindu temples.

The **Studies in Religion** concentration enables students to engage in the empathetic and critical analysis of religious traditions in order to understand their historical development and their present character. As an academic discipline, religion does not seek to promote or to censure any particular creed, institution, or way of life. Rather, it involves the exploration and clarification of diverse religious traditions with particular attention towards their similarities and differences. As a part of a liberal education, the studies in religion concentration fosters curiosity about the world's religious traditions and an awareness of one's own religious and cultural heritage both through knowledge of the religious traditions influencing one's own personal life and culture and also through knowledge of other traditions having comparable influence in the lives of other persons and in other cultures. Such awareness should aid in understanding and articulating personal convictions in relation to matters of religious concern. A central focus of the studies in religion concentration is the Vision Course Series. These courses explore the diverse visions of life opened up by religious traditions. They also provide insight into how cultures shape and are shaped by religions.

Advising

See the University Registrar to formally declare your major, minor or concentration. The Office of the Registrar will be able to assign the appropriate advisor in order to discuss career possibilities, requirements, and scheduling. For all other questions you may contact the department at (757) 594-8827.

The Bachelor of Arts degree in Philosophy

In addition to requiring successful completion of the liberal learning curriculum, the Bachelor of Arts degree in philosophy requires successful completion of the following courses in major and elective studies:

1. PHIL 101, 205, 451, 490W;
2. PHIL 201, 202;
3. Select one (3 credits) Ethics/Value Analysis: PHIL 304, 315, 319, 337, 376 or 384;
4. Select one (3 credits) Epistemology/Metaphysics: PHIL 305, 317, 320 or 308;
5. Select four (12 credits) 300-400 level courses in PHIL and/or RSTD;
6. Submit a portfolio of all written work completed in all philosophy and religion courses taken at CNU;
7. Successfully complete the CNU Philosophy and Religion departmental comprehensive examination.

Dr. Kip H. Redick
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**The Bachelor of Arts degree in Philosophy
Pre-Seminary Studies Concentration**

The pre-seminary studies concentration will prepare the undergraduate student for further graduate seminary education in a number of religious traditions. This concentration will give students a broad view of religion and foster the necessary intellectual methods that open them to focused studies in particular traditions. Courses taken to fulfill the requirements of the pre-seminary studies concentration will challenge personal beliefs by presenting opportunities to understand the world's diversity of religious expression and thereby provide a greater context for understanding faith in a world where people of various religious traditions interact regularly.

In addition to requiring successful completion of the liberal learning curriculum, the concentration in pre-seminary studies requires successful completion of the following:

1. PHIL 101, 205, 451, 490W;
2. RSTD 361, 362, 491;
3. Select one (3 credits) Visions course: RSTD 220, 232, 260, 265, or 270;
4. Select one (3 credits) Historical Studies: RSTD 319,

335, 350; PHIL 317, 348 or 349;

5. Select one (3 credits) Value Analysis: RSTD 312, 326W, 337, 338; PHIL 304, 306, 308, 315, 319, 337 or 376;
6. Select one (3 credits) Comparative Studies: RSTD 236, 310, 318, 330, 340 or 345;
7. Select two (6 credits) courses in PHIL and/or RSTD;
8. Submit a portfolio of all written work completed in all written philosophy and religion courses taken at CNU;
9. Successfully complete the CNU Philosophy and Religion departmental comprehensive exam.

Those who complete the pre-seminary studies concentration are encouraged to take elective courses that support the concentration. Students interested in scholarship or teaching are strongly encouraged to pursue language studies in Greek, Latin, or German. Students interested in practical ministry should consider language studies in Spanish.

Dr. Graham Schweig
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**The Bachelor of Arts degree in Philosophy
Studies in Religion Concentration**

The studies in religion concentration can benefit those responsible for instructing others in religious matters (whether as paid professionals or as volunteers). Generally, in fact, any person responsible for dealing with other persons in counseling and healing roles should have some knowledge of the function of religion in the lives of individuals and cultures. Sensitive understanding of these matters can only enhance one's effectiveness.

In addition to requiring successful completion of the liberal learning curriculum, the studies in religion concentration requires successful completion of the following:

1. PHIL 101, 205, 451, 490W;
2. RSTD 211, 212;
3. Select three (9 credits) Comparative and Historical Studies: RSTD 220, 232, 260, 256, 270, 318, 319, 330, 335, 340 or 350;
4. Select three (9 credits) courses in PHIL and/or RSTD, two at the 300-400 level;
5. Submit a portfolio of all written work completed in all written philosophy and religion courses taken at CNU;
6. Successfully complete the CNU Philosophy and Religion departmental comprehensive exam.

Those who complete the studies in religion concentration are encouraged to take elective courses that support the concentration.

The Minor in Philosophy of Law (18 credits)**Dr. Dawn Hutchinson, Director****McMurrin Hall 259D****(757) 594-8828****dhutchin@cnu.edu**

The Philosophy of Law is a liberal arts inquiry into the foundations of law and an examination of law from the point of view of traditional topics in philosophy such as ethics, epistemology, metaphysics, and the philosophy of language. The minor will approach these issues from global and comparative, classical, modern, and postmodern perspectives.

1. PHIL 205, 321W, 425;
2. POLS 316;
3. Select one: PHIL 337 or RSTD 321;
4. Select one: AMST 350; LDSP 386; POLS 240, 327; or PHIL 304.

The Minor in Philosophy and Religion (18 credits)

Philosophy supports other programs at the University wherever critical thinking and a sharpened sense of values are important. The general areas of ethics, aesthetics, political philosophy, and theology will be of special interest to students concentrating in the humanities and the social sciences. The areas of logic, theory of knowledge, philosophy of science, philosophy of language and philosophy of mind, with their stress on reasoning and logic, will be of interest to students concentrating in the natural sciences, mathematics, and computer science. Courses in Indian, Japanese, Chinese, and comparative philosophy provide a familiarity with non-Western cultures that is of value to those who are enrolled in international studies programs.

The minor requires:

1. PHIL 101 or 205; and
2. a minimum of 15 credits above the 100-level.
3. At least two courses must be taken at the 300- or 400-level.

Practicum Program in Philosophy

The internship program provides opportunities for students interested in applying critical thinking, value analysis, and philosophical concepts generally, to fields and professions outside the academic setting. Students are placed in national and regional environmental programs, hospices, national intelligence agencies, in hospital administrations, and in local church and religious organizations.

THE CURRICULUM IN PHILOSOPHY**PHIL 101. Critical Thinking I (3-3-0) LLFR***Fall and Spring.*

Designed to impart the basic skills of logical reasoning in natural languages: analyzing statements for consistency, implications, contradictions; distinguishing fact from opinion and evaluating testimony; distinguishing inference and argument from other discourse; analyzing and evaluating arguments using arrow diagrams; addressing vagueness and ambiguity by a more precise rendering of language. Satisfies the logical reasoning foundation requirement.

PHIL 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

PHIL 201. Ancient and Medieval Philosophy (3-3-0) AIGM*Fall and Spring.*

A study of the philosophical thought of the European, Middle Eastern, and Far Eastern cultures from ancient times to 1500 A.D. Readings from original sources will include topics such as early Greek explanations of the physical world, Plato's theory of abstract forms and his account of political obligation, Aristotle's theory of the soul, Epicurean and Stoic accounts of the highest moral good, Medieval arguments for God's existence, Confucian and Taoist concepts of the individual and society, Buddhist and Hindu views of self and world and the significance of meditative techniques and practices.

PHIL 202. Modern Philosophy (3-3-0) AIWT*Fall and Spring.*

A study of the philosophical thought of the European, Middle Eastern, and Far Eastern cultures from 1500 A.D. Readings from original sources will include topics such as Descartes' theory of mind and body, Hobbes' social contract theory, Berkeley's denial of the material world, Hume's attack on miracles, Kant's theory of the phenomenal and noumenal worlds, Neo-Confucian conceptions of the Tao, and Zen Buddhism's view of knowledge and enlightenment.

PHIL 205. The Anatomy of Thought (3-3-0) LLFR*Fall and Spring.*

This course is designed to strengthen reasoning skills by examining the fundamental structures of argumentation in natural and formal languages. The course focuses on basic reasoning methodologies and common reasoning errors in deductive and inductive arguments. Special attention will be given to the commonalities and distinctions between discourse in formal and natural languages. Satisfies the logical reasoning foundation requirement.

PHIL 207. Ethical Issues in Business: A Critical Thinking Approach (3-3-0) LLFR*Fall or Spring.*

Designed to impart the basic skills of critical thinking and reasoning in everyday language: analyzing arguments for validity, using both inductive and deductive arguments, increasing argument cogency, identifying common fallacies, analyzing statements for consistency, implications, contradictions; distinguishing fact from opinion; identifying inference and argument; addressing vagueness and ambiguity in language. This course focuses on applying these skills to ethical issues raised within a business setting. Satisfies the logical reasoning foundation requirement.

PHIL 215. Philosophy and Literature (3-3-0) AIWT*Fall or Spring.*

The course studies and explores recent developments in philosophy of literature and literary theory, and their relevance to traditional and contemporary topics concerning the nature of knowledge, language, and reality. Questions will be considered such as: can fiction and poetry be true, does literature make us more moral, is literature always political, does literature reveal common structures of the human psyche? Seminal Western schools of thought will include Semiotics, Existentialism, Structuralism, Psychoanalysis, Marxism, Gender Theory, Value Theory, and Postmodernism. Readings will be from primary sources by such as writers Saussure, Freud, Sartre, Barthes, Foucault, Searle, Derrida, and Kristiva.

PHIL 252. African Philosophy (3-3-0) AIGM*Fall or Spring.*

The course will survey recent literature in the area of African Philosophy and explore African philosophy historically and in terms of its relevance to contemporary Western Philosophy and non-Western philosophy. Topics will include: philosophy in post-colonial Africa; contemporary Muslim philosophies in North Africa; the nature of mind, body, self-identity and the moral order in indigenous African worldviews; African views of power and leadership; the role of individual and community; African thought and Western science; Colonialism, Postcolonialism and African culture; racism and culture; the feminine and African moralities; African ontology; African epistemology; and treatment of the problem of evil in African thought.

PHIL 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

PHIL 304. Ethics and Current Value Questions (3-3-0)*Prerequisite: Junior standing or consent of instructor.**Fall or Spring.*

A systematic study of central problems of right action, stressing value and decision in the individual; the distinction

of facts from values; rules versus ends; generalization and moral rules; the ground and nature of moral obligation; freedom; moral responsibility; the justification of punishment; the viability of egoism; the relativity of moral values. At every stage the student is provided opportunities to bring his/her new theoretical and conceptual material to bear on the analysis of moral problems in real-life situations.

PHIL 305. The Quest for Truth (3-3-0) AIGM*Prerequisite: PHIL 101, ENGL 223.**Alternate years.*

This course explores some of the main questions of human knowledge raised in the field of epistemology. What is the origin and extent of knowledge? What are the kinds of knowledge? What are the degrees of certainty? How reliable is the testimony of others? What is the relationship between language and the world? What distinguishes deductive from inductive reasoning? How reliable is memory? Can we trust our knowledge of the past? How does knowledge differ from belief?

PHIL 306. Search for Beauty (3-3-0) AICE*Prerequisite: ENGL 223.**Alternate years.*

This course confronts the student with the artwork and its elementary descriptive terminology. It considers the general significance of the fine arts and aesthetic value in the life of man by a systematic treatment of these problems: expression; creativity; the objectivity of the aesthetic judgment; the nature of the aesthetic experience; aesthetic qualities and the aesthetic object; the analysis of aesthetic value; art and morality.

PHIL 307. Current Trends in Modern Thought (3-3-0)*Prerequisite: Junior standing or consent of instructor.**Alternate years.*

This course is an examination of the most important topics and theories of the leading philosophers of the 20th century. Selections from original works of major British, American and Continental philosophers will be studied. Topics include the nature and role of science, theories of language and truth, the validity of epistemology and ontology, the nature and structure of human existence, and the foundations of moral action.

PHIL 308. Philosophy of Religion (3-3-0)*Prerequisite: Junior standing or consent of instructor.**Offered once every three years.*

Topics will include an analysis of the nature and attributes of God with special reference to the problem of evil, arguments for the existence of God, the nature of religious language, the relation of faith and revelation to reason and sense-experience, the epistemological status of miracles, the role of the concept of God in metaphysics, and the relationship of religion to science.

PHIL 312. American Philosophy (3-3-0)

Prerequisite: Junior standing or consent of instructor.

Offered once every two years.

This course is a study of American philosophy focusing on issues in such movements as Transcendentalism, Pragmatism, Naturalism, and the Philosophy of Language. Major American philosophers such as R. W. Emerson, D. Thoreau, C. S. Peirce, John Dewey, and William James may be treated as well as important contemporary figures in the fields of philosophy of mind, moral philosophy and the philosophy of language.

PHIL 315. Philosophy of Gender (3-3-0)

Prerequisite: ENGL 223.

This course will focus upon recent literature in the philosophy of feminism. Feminist critiques of knowledge, metaphysics, history, morality, philosophical anthropology, and social institutions will be examined and discussed. The course will deal with such topics as ideals of masculinity and femininity, feminine and masculine paradigms, the social construction of reality, human nature, reason, sex and gender, ego and self, autonomy, caring and maternal thinking, the implications of feminist thought for concepts of language, authorship, literature, and the feminist claims concerning the epistemological role of theory, practice and experience. The philosophy of non-Western cultures will be considered in the light of the feminist critique.

PHIL 317. Existentialism (3-3-0) AIWT

Prerequisite: ENGL 223.

This course is a study of existentialism from its 19th-century beginnings with Kierkegaard and Nietzsche to the work of Jaspers, Heidegger, and Sartre. Topics include the existentialist view of human existence, the concepts of anxiety, dread, and the absurd, the will to power, and the significance of human mortality. Both the methodological foundations of existentialism in the phenomenology of Husserl and its literary roots in such writers as Dostoyevsky, Tolstoy, and Camus will be treated.

PHIL 319. Philosophy of Love and Sexuality (3-3-0) AIWT

Prerequisite: ENGL 223.

Alternate Years.

This course will trace the development of the concept of Eros (sexual love, desire) through selected readings from the Western philosophical tradition. Topics to be covered include the attainability of "true love," the ethical imperatives of faithfulness and monogamy, the roles of masculinity and femininity, and the categorization of "normal" and "abnormal" sexual behavior. This course will focus upon several issues: 1) why the question of Eros is fundamentally a question of human existence; 2) why certain sexual values have become privileged in our culture; and 3) if these values are conducive to living a good life. Authors to be studied include Plato, Augustine, Freud, Jung, Kristeva, Sartre, de Beauvoir, and Merleau-Ponty.

PHIL 320. Scientific Reasoning (3-3-0) AIWT

Prerequisite: ENGL 223.

Alternate years.

An analysis of scientific reasoning in the natural and social sciences. Topics to be discussed will include the role of observation and its relation to theory, the nature of abstraction, generalization, experimentation, induction, probabilistic and statistical reasoning, the role of mathematics, and the use of deductive models of explanation, theory as interpretation, the role of language, the epistemological significance of the history of science, the distinction between the humanities and the sciences, and the relation between technological thinking and scientific thinking.

PHIL 321. WI: Legal Reasoning (3-3-0)

Prerequisite: ENGL 223 with a C- or higher and sophomore standing.

Alternate Years.

Students learn how argumentation functions in the trial and the court of appeals, choice of law theory, rule and policy analysis, and the role and impact of statutes and precedence. The kind of reasoning that is involved in applying law to individual cases will be studied. The course will examine theories of legal decision making and legal interpretation from its enlightenment origins through post-realist legal thought. This course partially satisfies the writing intensive requirement.

PHIL 326. WI: Philosophy in the Movies (3-3-0)

Prerequisite: ENGL 223 with a C- or higher, and junior standing.

Alternate Years.

This course is a philosophical and experiential exploration of philosophical concepts within popular film. Course will focus on different themes each time it is taught. Themes will include images of good and evil, images of the future, science, technology, and humanities' relationship to the environment; images of women, love and sex; images of justice, the law, and the cosmos. This course partially satisfies the writing intensive requirement.

PHIL 337. Radical Evil and the Philosophy of Law (3-3-0)

Prerequisite: ENGL 223.

Alternate Years.

Immanuel Kant describes "radical evil" as the rational choice to make the propensity to do evil supreme among the maxims of action. He claims that it is mysterious and inscrutable. Evil threatens human reason for it challenges the hope that the world makes sense. Whether expressed in secular or theological claims, evil poses the problem about the world's intelligibility. This course will distinguish different kinds of evil according to degrees of volition and cognition covering the spectrum from 'irresistible impulse' as in insane homicide, to 'malice aforethought' that defines murder, through 'wanton vileness' that warrants the death penalty.

PHIL 344. Yoga: Philosophy and Practice (3-3-0) AIGM

Prerequisite: ENGL 223.

Alternate Years.

Yoga is not dominated by any one tradition, yet its impact on mystical religious traditions has been powerful. This course explores the backdrop of the six systems of Indian foundational to later Hindu culture, thought and practice to understand the rich vision and many forms of yoga. Readings will include primary texts, such as the Bhagavad Gita, select Upanishads, the Yoga Sutra, as well as modern scholarly studies. The phenomena of yoga will also be examined comparatively with some of the mystical-philosophical systems in other major world religions.

PHIL 348. Asian Philosophy (3-3-0)

Prerequisite: Junior standing or consent of instructor.

Alternate Years.

This course is an in-depth study of the history of one of the major traditions in Asian philosophy using original source material. Specific content will be determined by the instructor, but areas of emphasis may include Chinese, Japanese or Indian philosophy. Topics will include varieties of knowledge, liberation and enlightenment, the nature of the self and substance, techniques of meditation and concentration, and theories of action.

PHIL 349. Islamic Philosophy (3-3-0) AIGM

Prerequisite: Junior standing or consent of instructor.

Alternate Years.

A study of the history of Islamic philosophy using original source material. The origins of Islamic thought will be examined in Greek and Neo-Platonic philosophy and in the literary tradition founded in interpretations of the Koran. Such thinkers as Al-Kindi, Al-Farabi, Al-Ghazali, Al-Arabi, and Rumi will be read and discussed with an emphasis on the development of the philosophical and religious themes in the tradition of Islam.

PHIL 370. Philosophy Seminar Abroad (3-3-0)

Prerequisite: Permission of the instructor.

The Philosophy Seminar Abroad is an in depth study of a central issue or problem in the philosophical and religious traditions of Eastern or Western thought. This course will be taught on-site in a region central to the genesis or perpetuation of the issue or problem. The seminar will include classroom orientation, lectures, discussion group activities, visits to sites of significance related to the central theme of the course. Contact may include activities prior to departure, on-site, and upon return. Criteria for admission into the Philosophy Seminar Abroad may include an application process at the discretion of the instructor. In addition to tuition, there will be a charge for travel, accommodations, and some activities, which will be published well in advance of the trip. This course will be repeatable for additional credit up to a maximum of two times with the consent of all affected instructors.

PHIL 376. Environmental Ethics (3-3-0)

Prerequisite: Junior standing or consent of instructor.

Alternate years.

The course will analyze the major philosophical issues in the field of environmental ethics. Some of the topics will include the historical roots of the environmental crisis, a land ethic, intrinsic natural value, biocentrism, and biodiversity, the role of science and the scientific method, the aesthetic value of nature, animal rights, strong and weak anthropocentrism, Ecotheology, Deep Ecology, Ecofeminism, environmental economics, Buddhist and Taoist attitudes toward nature. In addition to Western metaphysical and ethical systems, non-Western cultures and primal societies will be considered. The course will read and discuss major articles and essays in the literature of the environmental movement.

PHIL 379. Philosophy of Language (3-3-0)

Prerequisite: Sophomore standing.

Fall.

Philosophy of language seeks to understand the nature of language in the context of traditional concerns about the nature of knowledge and reality. Philosophy of language asks and attempts to answer questions such as: What is language? What is meaning? How do uses of language understand one another? What is the connection between names and the objects to which they refer? Are the truth and falsehood of our statements determined by the world, or by our linguistic conventions? Can we think without language? Do we have an innate linguistic faculty or do we learn to speak by observing the behavior of other speakers? The attempts to answer such questions are the source of various philosophical theories about language.

PHIL 384. Medical Ethics (3-3-0) AIWT

Prerequisite: ENGL 223.

Fall or Spring.

The focus is on value issues in medicine. The aspects of moral theory relevant to problems in medicine are treated, and recent biomedical technology is examined briefly to discover where value issues arise. The moral problems attending birth and death are treated, abortion and the beginning of human life, severe congenital defects, rights of the dying, the definition and the determination of death. Moral issues in the relation between the health care provider and the patient are treated: confidentiality, informed consent, how much the patient should be told, screening for genetic disease and experimenting with human subjects.

PHIL 386. Values and Postmodernity (3-3-0)

Prerequisite: Junior standing or consent of instructor.

Alternate years.

The rapid changes of the twentieth century, often called a postmodern era, have significantly challenged modern enlightenment ideals of individuality, free will, justice, and the good life. This course will consider, from the perspective of postmodernity, the dynamic relationship between the

personal and the political. This course will also explore what factors may have led to this devaluation of values or “nihilistic” attitude, as well as how we can again instill our culture and our lives with meaning, even if not in any absolutist sense (the “revaluation” of values).

PHIL 395. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

PHIL 425. The Constitutional Theory (3-3-0)

Prerequisite: PHIL 205, ENGL 223 or consent of the instructor.

This course explores the purpose, nature, and interpretation of constitutions with particular emphasis on the United States Constitution. Students will examine Plato, Aristotle, Locke, Hobbs, Rousseau, the Federalist, John Rawls, U.S. Supreme Court decisions, foreign constitutions, and contemporary theories of constitutional interpretation. In doing so, students will explore the tension between contemporary politics and fundamental values as well as the role of the judiciary in resolving that tension.

PHIL 451. The Great Philosophers (3-3-0)

Prerequisite: Junior standing or consent of instructor.

Fall or Spring.

This course is a comprehensive examination of the writings of one or more of the major thinkers of the ancient, medieval period or modern periods in philosophical thought. Course content will change periodically and the course is **repeatable twice for a total of nine credits with the consent of the instructor.**

PHIL 490. WI: Senior Seminar (3-3-0)

Prerequisite: ENGL 223 with a C- or higher; and PHIL 451, and philosophy major.

Fall or spring.

The course has a seminar format in which students are guided in the writing of a major research paper. In addition to instructor supervision, students provide feedback, commentary, and analysis of each other’s work. Required for all philosophy majors. This course partially satisfies the writing intensive requirement.

PHIL 491. Practicum (credits vary 1-3)

Prerequisite: Philosophy major with senior standing.

Offered on request.

This course provides opportunities for students interested in applying critical thinking, value analysis, and philosophical concepts generally, to field and professions outside the academic setting. Students are placed in national and regional environmental programs, hospices, national intelligence agencies, and in hospital administrations. **Course may be repeated for a maximum of three credits.**

PHIL 495. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

PHIL 499. Independent Study (3-3-0)

Prerequisite: Philosophy major with senior standing, consent of instructor and Department Chair.

Offered on request.

This course involves a research project involving substantial reading on a specific problem, theme, or the work of an individual philosopher. The research is supervised by a staff member who must approve the project before registration. A research paper is required.

THE CURRICULUM IN STUDIES OF RELIGION

RSTD 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

RSTD 210. Interfaith Studies (3-3-0) AIGM

[Formerly RSTD 318, equivalent]

This course will discuss the theologies of religious pluralism and comparative theology from multi-religious perspectives. Students learn how theologians step into the territory of the other, study the tradition of the other, and come back to reflect on their own traditions based on what they have learned from the other. We will attempt to answer the following: What is the relationship between theology of religions and comparative theology? Can comparative theology dispense with theology of religions? Is comparative theology a foundational discipline or just another name for syncretism? This course will also prepare students to be future leaders in interfaith dialogue and civic engagement.

RSTD 211. Religions of the East (3-3-0) AIGM

Fall and Spring.

This is an introduction to major religious traditions of the world, including indigenous religions, Hinduism, Buddhism, Taoism, Confucianism, Shinto and other religions such as Sikhism, Baha’i, and Japanese new religions. In the course of exploring the historical and conceptual aspects of these religions, thematic issues, such as myth, ritual, the problem of evil, and the epistemological status of religion will be addressed.

RSTD 212. Religions of the West (3-3-0) AIWT

Fall and Spring.

Using the same approach described in the preceding entry, this course will explore a number of ancient and modern religious traditions, such as Zoroastrianism, Judaism, Christianity, Islam, modern Western religions such as Protestantism, Mormonism, Christian Science, and contemporary New Age movements.

RSTD 218. The Qur'an (3-3-0) AIGM*Alternate Years.*

This course will discuss the Qur'an and its commentaries. Students will learn Islamic religious beliefs, the nature of God, human role and destiny, eschatology, and life after death in the Islamic tradition based on the scripture. Also, students will study and analyze controversial and sensitive verses on the concept of jihad, the status of women, and Christianity and Judaism from an Islamic point of view. In this course, the students will be asked to do a comparative study of the Qur'an and the Bible and discuss and analyze the similarities and differences between the two scriptures.

RSTD 220. The Vision of Hinduism (3-3-0)*Alternate Years.*

An ancient Hindu visionary proclaimed, "Truth is one, though religious teachers call it by many names" (*Rig-Veda*). In other words, truth is universal and not the possession of any one religion. Yet, due to the different contexts within which human beings experience the sacred, there are many different ways of envisioning the universal truths of religion. Hinduism is rich with such visionary encounters with truth, as expressed, for instance, in the Vedas, the Upanishads, Vedanta, and Yoga. Depending on the focus of the course when it is offered, these topics may be addressed along with others, such as the guru-disciple relationship, worship of the gods, temple architecture and rituals, caste, paths to enlightenment, mythology, devotional poetry, and religious philosophy.

RSTD 232. Visions of Christianity (3-3-0) AIWT*Fall and Spring.*

This course is an introduction to major events, persons, issues, and ideas within the development of the Christian tradition. Topics of discussion include: doctrines of God, the role of rituals and sacraments, the Trinity, the church Christology, salvation, Scripture, creation, sin, faith and reason, and eschatology. The course explores the diversity of ancient and modern expressions of Christianity.

RSTD 236. Sacred Communication, Sacred Journeys (3-3-0) AIWT*Alternate Years.*

This course is a study of the religious significance of various media of sacred communication. Religion is conveyed through multiple means of communication. This course explores the effects of such media upon the actions and beliefs of people belonging to various religious traditions. Media that convey sacred communication to be explored include; sacred scriptures and holy books such as the TNK, the Bible, the Quran; sacred oral communication as found in non-literate traditions; sacred artifacts that convey information such as burial sites; the possibility of sacred electronic communication; and sacred visual communication such as iconography and possibly photography and film.

RSTD 260. The Vision of Buddhism (3-3-0) AIGM*Alternate Years.*

Buddha taught a way to overcome suffering. His teaching proved so attractive that it rapidly spread across Asia, becoming the dominant religion in Asian countries. Buddhism is a tradition of meditation, philosophical analysis, and religious worship that continues to shape much of Asian religious thought and has recently become influential as well in the West. This course will approach Buddhism through an analysis of scripture, philosophical texts, and important teachers, both ancient and modern.

RSTD 265. The Vision of Judaism (3-3-0) AIWT*Alternate Years.*

This course offers an introduction to the diverse religious life of the Jewish people, including the varieties of Israelite religion, Jewish life after the Babylonian Captivity and after the destruction of the Second Temple, the rise of rabbinical Judaism, medieval mystical and pietist movements, and trends in recent centuries. Special attention will be given to such topics as the Israelite conception of God and God's relationships to the gods and goddesses of Canaan and surrounding regions, law, prophecy, the land of Israel, the Talmud, Kabbala, Hasidism, and modern Jewish reform and renewal movements.

RSTD 270. The Vision of Islam (3-3-0) AIGM*Alternate Years.*

This course will be an introductory survey of Islam, one of the most significant religious traditions in world history. We will cover major events in Islamic history as well as important rituals, practices and teachings to get a sense of how Islam shapes the daily lives of its followers. We will study the life of the Prophet Muhammad, read selections from the *Qur'an* (in English translation), and listen to recordings of professional reciters to get a sense of the important aural aspects of Muslim life. We will pay particular attention to Sufism, Islam in America, and major issues facing Muslims in the contemporary world.

RSTD 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

RSTD 310. Myth, Symbol, and Ritual (3-3-0)*Prerequisite: ENGL 223.**Alternate Years.*

Everyone knows that myths are false, symbols are arbitrary, and rituals are meaningless gestures, right? WRONG! Myths are actually important articulations of truths, symbols have deep resonance, and rituals define our ways of interacting with each other. This course will explore three important aspects of world religions: myths, symbols and rituals. We will critically examine, discuss and write about various dimensions of myth, symbol and ritual, noting similarities as well as differences across religious and cultural boundaries.

Our main concern will be to understand how religions shape our ways of thinking and living rather than debating alleged claims of “truth” or “falsity.”

RSTD 312. Religion and the Arts (3-3-0) AICE

Prerequisite: ENGL 223.

Alternate Years.

People have always had imaginative ways of expressing themselves in their religious lives. This course focuses on the human drive for creativity and self-expression through a study of religious invention. Students will examine creative works both structurally and within their cultural and historical contexts. This course will explore religion as it is expressed in music, dance, architecture, poetry, drama and the visual arts.

RSTD 319. Religion and American Identity (3-3-0)

Prerequisite: ENGL 223.

Alternate Years.

Americans have always had imaginative ways of expressing religious identity. This course exposes students to the institutional structures of American society and the fluid role of the individual within that society. Students will analyze concepts, patterns, and issues that affect the organization of American society, shape individual thought and social mores and mold the relationship between individuals and American society at large.

RSTD 321. The Church and the State (3-3-0) AIWT

Alternate Years.

There is no more controversial issue these days than the relationship between church and state. Some believe that religion is a private matter and best left out of the political arena because it creates division and conflict. Others argue that religion is an essential aspect of our lives in general and an indispensable element of our corporate existence in particular, laying the foundation of our most sacred political concepts. In this course we will explore the religious heritage of modern ideals in Puritanism and the Reformation, trace the growth of secularism in the modern world from the times of the Enlightenment, and address contemporary issues related to the relationship of church and state.

RSTD 326. WI: Religion in the Movies (3-3-0)

Prerequisite: ENGL 223 with a C- or higher and junior standing.

Fall or Spring.

A theoretical and experiential exploration of religious concepts within popular films. Concepts considered will include: Rudolph Otto's *Mysterterium Tremendum et Fascinans*, film as postmodern bard, sacred time and space, spiritual journey, spiritual mediation, icons, hierophanic phenomena, transcendence, and Paul Schrader's understanding of Transcendental Style in Film. Theories of religious experience from the following authors will be integrated into the examination of film as a medium of religious communication: Rudolph Otto, Mircea Eliade, Peter

Berger, Clifford Geertz, Walter Ong, Marshall McLuhan, Evelyn Underhill and Paul Schrader. This course partially satisfies the writing intensive requirement.

RSTD 330. Christian Prayer and Spirituality (3-3-0) AIWT

Prerequisite: Junior or senior standing or consent of instructor.

Alternate years.

Christianity, like other religions, has an inward spiritual or mystical dimension that has nurtured a continuous stream of mystics, saints, and spiritual visionaries over the last two millennia. For example, John Tauler, a 14th Century mystic, taught that “prayer is the ascent of the mind to God.” In this course, we will explore the lives, teachings, and spiritual practices of a wide array of Christian spiritual teachers from the beginning of Christian history to the present day. Along the way, we will focus on the stages of the mystical life as it has been charted by the spiritual masters of the Christian mystical life. More broadly, we will study the teachings of the Christian mystics for insights into the nature of religion, the validity of contemplative experience, and the meaning of human existence.

RSTD 335. Primal Religions: Myth, Ritual, and Oral Expression (3-3-0) AIGM

Prerequisite: ENGL 223.

Alternate years.

This course will focus on religions that occur in non-literate cultures such as Native American and Australian Aboriginal societies. We will compare and contrast these oral traditions with literate traditions. These traditions will be drawn from ancient and contemporary examples. Topics to be considered include: the use of dance, vision quest, song, the bard, magic, shamanism, myth, paintings and other arts in the traditions of primal regions.

RSTD 337. Religion and Ecology (3-3-0)

Alternate Years.

Environmental concerns have become extremely important, underlying the contemporary discussion of environmental responsibility are some basic religious questions: What is the place of human beings in the natural world? Are there limits to the responsibility that humans have toward other species? Are human beings of nature or above nature? Answers to these questions are informed by answers to more obvious religious questions: What is the meaning of life? What is our purpose, if any, in the cosmos? These questions will be explored by looking at religious traditions, both ancient and contemporary, east and west. Finally, the course will explore a rising concept, ecological spirituality.

RSTD 338. Pilgrimage on the Appalachian Trail (3-3-0)

*Prerequisite: Consent of instructor.
Offered Summer Term 1 only.*

Hiking the Appalachian Trail can be understood as a kind of modern spiritual journey. This class will be an experiential exploration, hiking the Appalachian Trail, comparing and contrasting the experience of walking through the wilderness with traditional pilgrimages, and communicating with others who are themselves not in the class, but hiking the trail for their own reasons. Class members will learn, through reading, journal writing, and interpersonal communication, how pilgrim backpackers experience *communitas* in relation to both persons and their environment.

RSTD 340. Mindfulness, Meditation and Happiness (3-3-0)

*Prerequisite: Junior standing or consent of instructor.
Alternate Years.*

Obituaries for religion are not uncommon, yet religion shows no signs of disappearing from human experience. Individual religions die; yet new ones replace them. Religion itself is thus an inexhaustible source of ever new and exotic ways of life. Reading contemporary and classical theorists of religion, this course will attempt to uncover the theological, philosophical, and bio-historical conditions that energize the continuous appearance of new religions.

RSTD 345. Scriptures of the World (3-3-0) AIGM

*Prerequisite: ENGL 223.
Alternate Years.*

This course is an examination of the way religious peoples communicate using written texts, which focuses on one way religion is communicated. The primary goal of the course is to deepen student's understanding of the complexity, subtlety, and variety of various modes of textual use reflected by the great religious traditions of the world. In reflecting on these rich scriptural practices, students should realize a new appreciation for the intricacies of their own religious traditions. The course aims to develop student knowledge of uses of sacred scriptures that range from repositories of ritual to enumerators of ethical proclamations, from prompts for sacred chant to legal documents that require multiple layers of commentary.

RSTD 350. Thinking About God (3-3-0) AIWT

*Prerequisite: Junior standing or consent of instructor.
Alternate Years.*

From a position of unquestioned absolute rule over Western intellectual life as late as the thirteenth century, God in recent centuries has been eclipsed by humanity and its concerns. God is now marginal to the learned discourse of the academy, government, and the media. But God has not gone away, for God is now as popular as ever in America and also in the Muslim world. This rebirth of passionate concern with God is one of the most significant religious events of recent times.

In this course, we will trace the theological and philosophical revolutions that brought about these startling reversals in the fortunes of God.

RSTD 361. Hebrew Bible (3-3-0) AIWT

*Prerequisite: ENGL 223.
Spring.*

This course concerns the writings of the Old Testament and their role in the development of Hebrew religion. Archaeological, literary, and cultural backgrounds are used to illumine the historical, legal, prophetic, and poetic sections of the writings.

RSTD 362. New Testament (3-3-0) AIWT

*Prerequisite: ENGL 223.
Fall.*

This course explores the place of Jesus in the writings of early Christianity to include the canonical writings of the four gospels and the writings of Paul, and the non-canonical writings of the Gospel of Thomas and the Gospel of Mary.

RSTD 366. Bhagavad Gita and Sacred Hindu Texts (3-3-0) AIGM

Prerequisite: ENGL 223.

The diverse corpus of literature that constitutes the sacred texts of Hindu traditions, such as Vedas, Upanishads, and the Puranas, is the general focus of this course. Among these texts, the Bhagavad Gita is the most prominent, the most loved, and the most commented upon by Hindu traditions over the millennia. Often thought of as the bible of India, it is indisputably one of the important sacred texts of the world, next to the Bible and the Qur'an. It presents a synthesis of the philosophical and religious systems of Hindu traditions, and projects a vision of the world and the human condition that has held the fascination of Western thinkers for at least two centuries.

RSTD 370. Religious Studies Seminar Abroad (3-3-0)

*Prerequisite: Permission of the instructor.
Extended summer term, alternate years.*

This course is an in depth study of a central issue or problem in the religious traditions of Eastern or Western thought. The course will be taught on-site in a region central to the genesis or perpetuation of the issue or problem. Criteria for admission into the course may include an application process at the discretion of the instructor. In addition to tuition, there will be a charge for travel, accommodations, and some activities, which will be published well in advance of the trip. **This course is repeatable for a total of six credits with the consent of all affected instructors.**

RSTD 395. Special Topics (3-3-0)

*Prerequisite: As announced.
Fall and Spring.*

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

RSTD 491. Practicum/Internship (credits vary 1-3)

Prerequisite: Philosophy major with senior standing.

Offered on request.

This course provides opportunities for students interested in applying critical thinking, value analysis, and philosophical concepts generally, to field and professions outside the academic setting. Students are placed in local church and religious organizations or non-profit organizations.

RSTD 495. Special Topics (3-3-0)

Prerequisite: As announced.

As needed.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

RSTD 499. Independent Research (3-3-0)

Prerequisite: Philosophy major with senior standing,

consent of instructor and Department Chair.

Offered on request.

A research project involving substantial reading on a specific problem, theme, or the work of an individual philosopher. The research is supervised by a staff member who must approve the project before registration. A research paper is required.

DEPARTMENT OF PHYSICS, COMPUTER SCIENCE AND ENGINEERING

Dr. Anton Riedl, Chair

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Faculty**Professor:** Brash, Doughty, Heddle, Wang, M. Zhang**Associate Professor:** Flores, Gerousis, Lambert, Riedl, Siochi**Assistant Professors:** Almalag, Backens, Conner, Fersch, Fisher, Gambhir, Mohammadi, Monaghan**Lecturer:** Gore**Instructor:** Baird, L. Cole, Kreider, Perkins**Emeriti:** Anyiwo, Buoncristiani, Caton, Game, Hibler, Selim, G. Webb, J. Webb**Mission Statement**

Our Mission is to:

- introduce all CNU students to the richness of science and engineering as a human endeavor and to emphasize their importance and utility in our lives,
- enhance awareness of the interaction between science and the other disciplines,
- prepare our graduates to enter careers as competent scientists, engineers and educators,
- give our students the lifelong learning and leadership skills that enable them to grow in their professions and advance to positions of leadership, and
- be recognized widely as a group of individuals engaged in and contributing to our various communities.

The Department of Physics, Computer Science and Engineering offers majors in fields of engineering, science and high technology. The **applied physics** major allows students to specialize in the design of instrumentation used in the scientific measurement process; to experiment with high-speed data acquisition systems; to design and implement computer models and simulations of physical processes; and to study phenomena in astrophysics and effects of space weather. The **electrical engineering** major offers specializations in digital systems, communication and signal processing, and control and instrumentation. The **computer engineering** major is a specialized degree with emphasis on hardware and software design and integration in computer systems. The **computer science** major allows students to specialize in data structures and operating systems, scientific computing, artificial intelligence applications, software engineering, mobile programming, robotics, and security. The **information systems** major prepares students to analyze, design and implement systems that enable businesses and organizations to make effective and efficient

use of today's most valuable resource: information. The **Bachelor of Science in Information Science** major is an applied major intended to address the broad scope of modern business, information and technology problems.

Minors in applied physics, computer science, or information science may be arranged to support most majors; this is particularly appropriate for science, mathematics, or business majors as preparation for advanced study or employment.

In addition to its commitment to serve the science student, the department also supports the liberal arts mission of CNU by striving to increase the understanding of the uses of science and technology for solving contemporary problems and to increase public awareness of the relationship between science and technology and the realm of human values. Many of our course offerings fulfill the liberal-learning core requirements, and are designed to complement the programs of students in the liberal arts, social sciences, and in business. CPSC 110, 140, 150, PHYS 105L, 141, 142, 143 and 144 are examples of such courses.

A departmental brochure with descriptions of these programs can be requested by mail or by telephone: (757) 594-7065. More information can also be viewed at cnu.edu/academics/departments/pcse.

Equipment

The department has four state-of-the-art teaching classrooms (with smartboards, multiple video projectors and video switching) for computer science and physics instruction, as well as four teaching-research labs: the Hunter Creech Computer Lab, the Laboratory for Multimedia Computing, the Engineering Electronics Lab and the Engineering Projects Lab. In addition, it has three general-purpose fully-computerized physics laboratories, two student research and four faculty research labs. These research labs include instrumentation for non-destructive testing, high-speed data acquisition, wireless communications, robotics and unmanned systems.

Research Projects

The Department of Physics, Computer Science and Engineering emphasizes research for both its undergraduate and graduate students. As a consequence, there are always on-going projects involving faculty members and students in a variety of research areas. Current and recent projects are sponsored by the National Aeronautics and Space Administration (NASA), the National Science Foundation

(NSF), the Thomas Jefferson National Accelerator Facility (TJNAF), and the National Institute of Aerospace. Students who would like to assist with the research projects will find departmental members able to provide challenging opportunities for independent study. All students desiring a degree in applied physics, computer science, information systems, computer engineering or electrical engineering must complete a senior research project, and students majoring in information science must complete a significant case study of a business problem under the guidance of a professional.

Five Year BS/MS Program

The department has programs leading to a dual BS and MS degree in applied physics and computer science. By putting in an extra year to obtain the MS, lifetime earnings and the potential for diverse opportunities and job satisfaction increase significantly. Our programs are very flexible and students will still receive the B.S. degree once they complete the requirements, even if they decide not to finish the MS program. Our M.S. in applied physics and computer science has concentrations in computer science, computer systems engineering and instrumentation, and applied physics that correspond to our undergraduate majors of computer science, computer engineering, and applied physics. By taking a total of 9-12 graduate credits during the senior year and one graduate course during the summer, the MS requirements can be completed in the following year. Interested students should talk to their advisor early in their program since course sequencing is critical to success. Enrollment in the program requires a GPA of 3.0 or better. Application to these programs should be made during the second semester of the junior year. An application should include a current transcript and two letters of recommendation. We have detailed brochures with five-year plans for each concentration available in our departmental office and online at cnu.edu/academics/departments/pcse.

The Bachelor of Science Degree in Computer Engineering

The Bachelor of Science degree in computer engineering is accredited by the Engineering Accreditation Commission of ABET. Computer engineering encompasses design and analysis of both hardware and software systems. Engineering problem solving, a key component of our computer engineering program, is practiced in all areas studied for this degree. Computer engineering is the application of knowledge and technology to the exciting, challenging, and ever-changing field of computer systems. Computer engineering majors are prepared for employment in positions such as digital design engineers, software systems analysts, computer architects, scientific and technical programmers, microprocessor-based systems designers, instrumentation systems designers, integrated circuit designers, and systems engineers.

The program educational objectives of the computer engineering program are to ensure that within three years after graduation:

1. Our graduates will have established themselves in professional positions in industry, government, or non-profit organizations that utilize the skills and abilities associated with liberally-educated computer engineers, and/or will be enrolled in programs of graduate study.
2. Our graduates, collectively, will be competent working with both electronic hardware and software, and thus will have applied their knowledge and skills in a wide variety of fields. Furthermore, our graduates will have demonstrated their commitment to professional growth and life-long learning.
3. Our graduates will be leading lives of significance by taking on leadership roles, and by serving society in part through their professional contributions.

The student outcomes for the CNU computer engineering program specify that, by the time of graduation, our graduates will have:

- an ability to apply knowledge of mathematics, science, and computer engineering
- an ability to design and conduct experiments, as well as to analyze and interpret data
- an ability to design hardware and software systems to meet desired needs within realistic constraints
- an ability to function on multi-disciplinary teams
- an ability to identify, formulate, and solve software and hardware engineering systems problems
- an understanding and appreciation of professional and ethical responsibility
- an ability to communicate effectively orally and in writing
- the liberal education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context
- a recognition of the need for, and an ability to engage in life-long learning
- a knowledge of contemporary issues
- an ability to use the techniques, skills, and engineering design automation tools necessary for effective computer engineering practice

The major in computer engineering focuses on an applied approach. There is a comprehensive laboratory component to provide hands-on experiences. Computers are used throughout the curriculum as part of the engineering design process. Commercial EDA (Electronic Design Automation) software is used extensively. In addition to requiring successful completion of the liberal learning curriculum, the major in computer engineering requires successful completion of the following courses with no more than two grades below C- :

1. ECON 201 or 202;
2. CHEM 121/121L-122;
3. PHYS 201/201L-202/202L, 341;

4. MATH 140 or 148, 240, 320;
5. ENGR 121, 211/211L-212/212L, 213, 340;
6. CPEN 214, 315/315L, 371W, 414, 431, 498W;
7. CPSC 150/150L-250/250L, 255, 270, 327, 410, 420;
8. Six hours from professional electives: CPEN 422, 495; CPSC 360, 425, 428, 440, 450, 470, 471, 472, 475, 480, 495; PHYS 421; PCSE 495 (only one 495 course allowed with advisor's permission); CPSC 501 or 502 (with advisor's permission).

Because of the tight prerequisite structure, it is strongly recommended that students take their major courses in the following order:

First year: CPSC 150, 150L, 250, 250L; MATH 140 or 148 and MATH 240; ENGR 121;

Second year: CPEN 214, 315, 315L, CPSC 255, CPSC 270, ENGR 213, 340, PHYS 201, 201L, 202, 202L;

Third year: CPEN 371W, 414, CPSC 327, ENGR 211, 211L, 212, 212L, MATH 320, PHYS 341; CHEM 121, 121L, ECON 201 or 202;

Fourth year: CPEN 431, CPEN 498W, CPSC 410, CPSC 420, two professional electives, CHEM 122.

The Bachelor of Science Degree in Electrical Engineering

Electrical engineers design and fabricate electrical devices and systems that have become an indispensable part of our lives. The program of study is to provide each graduate with a firm foundation in electrical engineering principles while gaining the tools to adapt to the technical changes and career opportunities they will experience in the future. The electrical engineering undergraduate curriculum begins with a solid foundation in mathematics and science. After the freshman year, we adopt a comprehensive approach by covering traditional electrical engineering areas in circuits, electronics, digital systems, control and communication. Adequate elective freedom is available to allow specialization in three emphasis areas: digital systems, control and instrumentation, communication and signal processing. The goal is to prepare our students with one or more most common electrical engineering specialties. Emphasis is placed on understanding principles through theoretical investigation and experimental verification.

The program educational objectives of the electrical engineering program are to ensure that within three years after graduation:

1. Our graduates will have established themselves in professional positions in industry, government, or non-profit organizations that utilize the skills and abilities associated with liberally-educated electrical engineers, and/or will be enrolled in programs of graduate or professional study.
2. Our graduates, collectively, will be competent working on both traditional and emerging electrical engineering

positions, and thus will have applied their knowledge and skills in a wide variety of engineering related fields. Furthermore, our graduates will have demonstrated their commitment to professional growth and life-long learning.

3. Our graduates will be leading lives of significance by taking on leadership roles, demonstrating independent work, and serving society in part through their professional contributions.

The student outcomes for the electrical engineering program specify that, by the time of graduation, our graduates will have:

- an ability to apply knowledge of mathematics, science, and electrical engineering
- an ability to design and conduct experiments, as well as to analyze and interpret data
- an ability to design hardware and software systems to meet desired needs within realistic constraints
- an ability to function on multidisciplinary teams
- an ability to identify, formulate, and solve software and hardware engineering systems problems
- an understanding and appreciation of professional and ethical responsibility
- an ability to communicate effectively orally and in writing
- the liberal education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context
- a recognition of the need for, and an ability to engage in life-long learning
- a knowledge of contemporary issues
- an ability to use the techniques, skills, and modern engineering tools necessary for effective electrical engineering practice

The curriculum in electrical engineering has mixtures of the particular and the general, theoretical, and experimental, along with strong components in design and integration. Compared to a purely theoretical approach, we adopt a curriculum that focuses on analysis and design using current technologies, and the one that emphasizes an applied approach. There is a comprehensive laboratory component to provide a hands-on experience. Most of the EE courses have either a dedicated laboratory companion course or a laboratory component built into it. This approach is inherently more interesting to students, and leads students toward more individual learning. Degree studies requirements are those of the Bachelor of Science degree. In addition to requiring successful completion of the liberal learning curriculum, the electrical engineering major requires successful of the following courses with no more than two grades below C-:

1. ECON 201 or 202;
2. CHEM 121/121L-122;
3. PHYS 201/201L-202/202L, 341;
4. MATH 140 or 148, 240, 320;

5. MATH 250 or 335 or ENGR 213;
6. CPSC 150/150L-250/250L, 327
7. CPEN 214, 371W;
8. ENGR 121, 211/211L, 212/212L, 340;
9. EENG 221, 311/311L, 321/321L, 361/361L, 498W;
10. Minimum of twelve hours professional electives from following list, at least one of the three areas of emphasis must be completed:
 - a. Digital Systems: CPEN 315/315L, CPEN 414;
 - b. Control: EENG 421, CPEN 422;
 - c. Communication: EENG 461, EENG 481

The Bachelor of Science degree in Computer Foundations

Students in this program can choose to major in **applied physics, computer science** or **information systems**.

The Major in Applied Physics

The applied physics program builds a broad foundation in the traditional core areas of physics, including classical mechanics, electromagnetism, optics, quantum physics, and relativity. Physics majors gain expertise in computer engineering, computer science, and mathematics through required support courses. Our students extend their capacity for critical thinking through upper level major electives, as well as courses that comprise the CNU liberal learning core.

Students in the applied physics program have an opportunity to apply their knowledge through undergraduate research experiences with both department faculty and industry partners. The department has faculty with vibrant research programs and enjoys a strong relationship with the Thomas Jefferson National Accelerator Facility (JLab). Our department also provides opportunities for undergraduate research in applied physics at the nearby NASA Langley Research Center.

Physicists have a wide range of career options. They work in a variety of areas from basic research at universities and government laboratories to education to healthcare to manufacturing to consulting and analysis firms. Their jobs involve working as software developers, engineers and science/lab technicians and managers, or even patent lawyers.

Degree studies requirements are those of the Bachelor of Science degree. In addition to requiring the successful completion of the liberal learning curriculum, the applied physics major requires successful completion of the following courses with no more than two a grades below C-:

1. CPEN 214;
2. CPSC 150/150L-250/250L;
3. PHYS 201/201L-202/202L, 301, 303, 304, 340, 341, 351, 402, and 406;
4. Select one: PHYS 401 or 404¹;
5. ENGR 211/211L;
6. MATH 140 or 148, 240, 250, 320;
7. PCSE 498W (3 credit Capstone course).

8. Select two: ENGR 212/212L; MATH 350 or 355, any 300-level or higher PHYS course(s) that is not already listed as required above.

¹The student must take either PHYS 401 or 404 as part of their degree requirements. Students planning on graduate school in physics are encouraged to complete the other as a major elective. Students in the five-year program should take the cross-listed graduate course PHYS 501 or 504.

The Major in Computer Science

Computer science is becoming more important in multiple disciplines ranging from business to scientific research. Examples of jobs include network analysis, web development, database administration, and developing or analyzing software systems.

Computer science majors at CNU take core courses that provide a background in computer engineering, computer science, mathematics, and physics. The major and support courses continue building this background. Advanced courses in the program provide additional study in data structures, programming languages, operating systems, and algorithms, with additional electives to extend the student's knowledge in an area of his/her choice.

Graduates will be prepared for further study in graduate school or employment as computer scientists or researchers in various high technology laboratories. Students pursuing the major in computer science are strongly encouraged to pursue studies in other academic fields in which there are significant applications of computer science. A minor in business, economics, mathematics, science, or psychology would be a viable choice. See your advisor or departmental brochures for more details on the computer science major.

Degree studies requirements are those of the Bachelor of Science degree. In addition to requiring the successful completion of the liberal learning curriculum, the computer science major requires successful completion of the following courses with no more than two grades below C-:

1. CPEN 214, 371W;
2. CPSC 150/150L-250/250L, 255, 270, 280, 327, 360, 410, 420;
3. MATH 140 or 148, 240;
4. PHYS 151/151L-152/152L or PHYS 201/201L-202/202L and PHYS 340 or ENGR 340 or MATH 235 or 260;
5. ENGR 213;
6. PHYS 341;
7. Select three: CPSC 425, 428, 440, 450, 460, 470, 471, 472, 475, 480, 485, 495; any 500 level course with advisor's permission; MATH 380; PHYS 421, 441; with courses numbered 495 and above used no more than twice;
8. CPSC 498 (3 credit Capstone course).

The Major in Information Systems

The major in information systems prepares students to analyze and design systems that enable businesses and organizations to make effective and efficient use of today's most valuable resource: information. What information is needed, who needs it, and how to distribute and manage it are key elements in achieving an organization's strategic goals.

The field of information systems has expanded tremendously in its focus during the past decade. With the rise of the internet, it is no longer sufficient to prepare only for traditional business and organizational needs such as payroll. Applications that formerly required trained specialists are now self-service operations, mediated by the internet (e.g., airline reservations). In this climate of accelerated change, ubiquitous computing, and 24/7 access, the information systems major must be well-rounded with a thorough grounding in computer science. In addition, the IS major must be able to interact with people and understand the way organizations behave. Without these technical and organizational skills, it is not possible to analyze and design information systems.

Graduates will be prepared for further study in graduate school or employment as systems analysts, systems designers, or network designers or managers.

The core courses provide a background in computer science, mathematics, and physics. The major and support courses develop information systems foundations in both technical and organizational areas. Because of the wide variety of information systems needs, students also select additional courses in multimedia, data structures, programming languages, networking, psychology and business.

Degree studies requirements are those of the Bachelor of Science degree. In addition to requiring the successful completion of the liberal learning curriculum, the information systems major requires successful completion of the following courses with no more than two grades below C-:

1. CPEN 371W;
2. CPSC 150/150L-250/250L, 255;
3. ENGR 213;
4. MATH 140 or 148; 235 or 260;
5. MATH 125 or PHYS 341;
6. PHYS 151/151L- 152/152L or PHYS 201/201L-202/202L;
7. ACCT 201 and ECON 201;
8. BUSN 303;
9. PSYC 303;
10. CPSC 215, 270, 350-351, 430, 440;
11. Select four (at least two at the 300 level or higher): CPSC 216, 327, 335, 336, 355, 360, 425, 428, 446, 475, 485, 495; any CPSC 500 level course with advisor's permission; PSYC 201, 202, 313; BUSN 311, 323, 370;

ACCT 202, ECON 202; with courses numbered 495 and above used no more than twice;

12. CPSC 445W (3 credit Capstone course).

The Bachelor of Science in Information Science Degree

Managers of information are increasingly asked to solve complex problems arising in the business world that require drawing on a diverse set of skills. The Bachelor of Science in Information Science (B.S.I.S.) degree therefore emphasizes problem solving and offers a broad range of courses to address the needed skills. The B.S.I.S. program consists of courses chosen from the fields of business, computer science, economics, mathematics, and psychology. Students are urged to take the courses CPSC 215, 150/150L-250/250L, 350, and 351 early in their academic careers. These six courses cover the fundamental concepts of computer technology, the basics of spreadsheet and database software, the function and architecture of computer hardware and software, programming, information science concepts, management of information systems, systems and decision theory, and organizational models.

Unlike the other majors in this department, the B.S.I.S. is a professional degree, so does not require the Bachelor of Science sequence as specified in the *General Requirements for Graduation*. In addition to requiring successful completion of the liberal learning curriculum, the Bachelor of Science in Information Science degree requires, for major and elective studies, successful completion of the following courses with no more than two grades below C-:

1. The Computer Science Requirements:
CPSC 150/150L-250/250L, 335.
2. The Business Requirements:
ACCT 201-202, ECON 201, 202, BUSN 303.
3. The Mathematics and Science Core:
MATH 125, 135 or 140 or 148, 235; PHYS 151/151L-152/152L.
4. The Information Science Major Requirements:
CPSC 215, 216, 350, 351
5. Major Electives:
Select six: CPSC 270, 327, 355, 428, 430, 440, 475, 485; PSYC 201-202, 303, 313; BUSN 311, 323, 370 or 371.
6. The Capstone Course: CPSC 445W or BUSN 440 or BUSN 448.

The Minor in Applied Physics (26 credits)

A minor in applied physics requires satisfactory completion of PHYS 201/201L-202/202L-303, 351 and at least 12 additional credits in physics or engineering courses at the 300 level or higher. Students who are majoring in biology, computer engineering, computer science, and mathematics are especially suited for such a minor program.

The Minor in Computer Science (20 credits)

The minor in computer science requires a minimum of 20 credits in computer science, including: CPSC 150/150L-250/250L, and twelve additional credits selected from the list of CPSC courses in the computer science major at a level higher than 250, with at least six credits at the 300 or 400 level. Note that classes taken to fulfill any major requirements may only be applied toward six of these twelve additional credits.

The Minor in Information Science (20 credits)

The minor in information science requires CPSC 215, 150/150L, 250/250L, 335, 350 and 351.

Teacher Preparation in Physics

Those students who wish to become teachers should apply to the five-year Master of Arts in Teaching (M.A.T.) program. Application to the program must be made in spring of the junior year. See the *Graduate Catalog* for application instructions and requirements. Students will earn a **B.S. in Computer Foundations, applied physics** after the first four years and then complete an additional year of study leading to an M.A.T. degree. Students majoring in applied physics can prepare to teach elementary school, pre-kindergarten through grade six, all core subjects, or secondary school, grades six through 12, in the content area of applied physics. The courses and degree requirements for the M.A.T. are found in the graduate catalog. Students accepted into this program must complete one of the following tracks in addition to liberal learning curriculum:

Elementary level (PK-6) TrackMajor courses required:

See major requirements for the BS in Computer Foundations, Applied Physics major.

Support courses required:

- ENGL 123, 223; 310 or 430, and 316;
- COMM 201 or THEA 230;
- CPSC 110;
- MATH 109, 125;
- HIST 111, 121, 122;
- POLS 101;
- GEOG 210;
- PSYC 208, 312;
- SOCL 314/314L;
- BIOL 107 or 108; CHEM 103; PHYS 141; PHYS 105L or BIOL 109L;
- NSCI 310.

*Support courses may change based on regulations from the Virginia Department of Education.

Graduate courses* required (senior year):

Select six credits from a), b), or c):

- a) MATH 570;
- b) PSYC/TCHG 544;
- c) MLAN 511, ENGL 530.

Secondary level (6-12) Track: Physics EndorsementMajor courses required:

See major requirements for the B.S. in Computer Foundations, Applied Physics major.

Support courses required:

MATH 125; COMM 201 or THEA 230; PSYC 207 or 208, and 312; SOCL 314/314L.

Graduate courses* required (senior year):

Select six credits: PHYS 501, 502, or 504 (these courses can replace PHYS 401, 402, or 404 required for the major).

*See the graduate catalog for course descriptions.

THE CURRICULUM IN COMPUTER ENGINEERING

CPEN 214. Digital Logic Design (3-3-0)

Pre or corequisite: ENGR 121 or PHYS 152 or PHYS 202. Fall and Spring.

Introduction to logic circuits; combinatorial logic circuits; memory elements; sequential logic circuits; register transfer logic. Hands-on experience with devices emphasized.

CPEN 315. Digital System Design (3-3-0)

Prerequisite: Grade of C- or higher in CPEN 214.

Restricted to CPEN, EE, or PHYS majors.

Pre or Corequisite: CPEN 315L.

Spring.

Digital design methodology and techniques; control and timing; machine organization, instruction sequencing and data for flow control; control unit design; and techniques.

CPEN 315L. Digital System Design Lab (1-0-3)

Corequisite: CPEN 315.

Spring.

Advanced sequential circuit design and implementation, design with programmable logic, digital circuit simulation. The use of modern Electronic Design Automation (EDA) tools is emphasized. Lab fees apply each term.

CPEN 371. WI: Computer Ethics (2-2-0)

Prerequisite: ENGL 223 with a C- or higher; major or minor in PCSE.

Fall and Spring.

This course covers contemporary ethical issues in science and engineering. A framework for professional activity is developed, which involves considerations and decisions of social impact. Current examples will be studied, discussed, and reported: IEEE and ACM codes of ethics, software and hardware property law, privacy, social implications of computers, responsibility and liabilities, and computer crime. This course partially satisfies the writing intensive requirement.

CPEN 414. Computer Architecture (3-3-0)

Prerequisites: CPEN 315.

Spring.

The basic issues and techniques in computer architecture and design. Survey of architectures; instruction set design; software influences on architecture; processor implementation and simulation; pipelining; memory and I/O subsystems; special purpose architectures.

CPEN 422. Microprocessors (3-3-0)

Prerequisite: CPSC 327, CPEN 214.

Spring.

In depth study of current microprocessor issues; interfacing and data communications; buses and memory/peripheral connections; parallel interfaces; serial interfaces; analog interfaces. Applications by means of the case study method.

CPEN 431. Computer Engineering Design (4-2-2)

Prerequisite: CPEN 315/315L, CPSC 270.

Fall.

Engineering design course focuses on applications of computer engineering. Engineering skills developed through supervised design projects. Design projects incorporate techniques and concepts developed in previous courses. Topics include field programmable gate arrays (FPGA) implementation, micro-programmable controllers, device interfacing, design for test and design for manufacturing techniques. Development systems and Electronic Design Automation software are used throughout the course. May be taken as research intensive.

CPEN 495. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

CPEN 498. WI: Computer Engineering Capstone Project (credits vary 1-3)

Prerequisite: ENGL 223 with a C- or higher and senior standing.

Pre or corequisite: CPEN 371W or consent of instructor.

Capstone design project where senior student completes a practical computer engineering project, including probabilistic aspects of the design, by applying the engineering knowledge and judgment they have acquired during their college career. A formal oral presentation and a written report are required as well the artifact that is the design. Partially satisfies the writing intensive requirement. May be taken as research intensive. **This course is repeatable twice for a total of three credits.**

CPSC 110. Introduction to Computing (3-3-0) LLFR

Prerequisite: High school algebra or one semester of college-level mathematics.

Fall and Spring.

Designed for persons majoring in other than the computer sciences. Introduction to computers, their capabilities, limitations, and implications. Applications such as spreadsheets, presentation, multimedia, and webpage development. Computer terminology, hardware and software organization. Satisfies the logical reasoning foundation requirement.

CPSC 125. Foundations of Computer Science (3-3-0)

Prerequisite: High school algebra or one semester of college-level mathematics.

Fall and Spring.

The function and architecture of computer hardware. Data and instruction representation. Networks, operating systems and their functions. Algorithms, programming languages, and software engineering. Artificial intelligence, theory of computation, and applications. This course includes a hands-on component.

CPSC 130L. Beginning Programming Lab (1-0-2)

Fall.

Laboratory course for students who do not pass the CPSC 150 readiness exam. This course teaches beginning programming using hands-on activities in a specific programming language. Laboratory exercises emphasize basic programming structures such as loops and conditional statements.

CPSC 140. Introduction to Computer Programming with Multimedia (3-3-0) LLFR

Fall.

This course is an introduction to computer programming via multimedia using a simple yet powerful language. Topics include programming language concepts, data types & operations, expressions, symbolic logic, conditionals, loops, functions, and basic data structures. Assignments will be multimedia-oriented, such as a simple photo shop-like application, an animation generator, and a simplified iTunes-like application.

CPSC 150. Introduction to Programming (3-3-0) LLFR

Prerequisite: C- or higher in one of the following: MATH 128, CPSC 130L, ENGR 121, or a passing score on the CPSC 150 readiness exam.

Fall and Spring.

This course is an introduction to problem solving and programming. Topics include using primitive and object types, defining Boolean and arithmetic expressions, using selection and iterative statements, defining and using methods, defining classes, creating objects and manipulating arrays. Emphasis is placed on designing, coding and testing programs using the above topics. Satisfies the logical reasoning foundation requirement.

THE CURRICULUM IN COMPUTER SCIENCE

CPSC 150L. Introduction to Programming Laboratory (1-0-3)

Pre or corequisite: CPSC 150.

Fall and Spring.

Laboratory course supports the concepts in CPSC 150 lecture with hands-on programming activities and language specific implementation. Laboratory exercises stress sound design principles, programming style, documentation, and debugging techniques. Lab fees apply each term.

CPSC 215. Software Packages for Business Applications (3-3-0)

Prerequisite or corequisite: MATH 135 or 140 or 148, or a passing score on the CPSC 215 Readiness Test.

Fall and Spring.

For students majoring in business or information science and those wanting a more in-depth understanding of and competence in the use of spreadsheets, databases and database management. Covers creation of complex spreadsheets using Microsoft Excel, and database queries and management using Microsoft Access.

CPSC 216. Multimedia and Web Publishing (3-3-0)

Prerequisite: CPSC 140 or 150.

Spring.

Basic multimedia concepts – graphics, audio, video; internet concepts; design, development, and publishing of web pages; interactive web pages; publishing tools, server management and tools. This course includes a hands-on component.

CPSC 250. Programming for Data Manipulation (3-3-0)

Prerequisite: Grade of C- or higher in CPSC 150/150L or equivalent transfer credit.

Fall and Spring.

This course builds upon concepts taught in CPSC 150, and provides continuing study of data storage and manipulation, and introduces their application to scientific computing and visualization. Specific topics include object oriented design, programming style, debugging, and algorithm design. The course will incorporate the use of existing libraries for data processing and visualization.

CPSC 250L. Programming for Data Manipulation Laboratory (1-0-3)

Prerequisite: Grade of C- or higher in CPSC150/150L;

Pre or corequisite: CPSC250.

Fall and Spring.

Laboratory course supports the concepts in CPSC 250 lecture with hands-on programming activities and language specific implementation. Laboratory exercises stress sound design principles, programming style, documentation, and debugging techniques. Lab fees apply each term.

CPSC 255. Programming for Applications (3-3-0)

Prerequisite: Grade of C- or higher in CPSC 150/150L or equivalent transfer credit.

Fall and Spring.

This course provides a study of programming and problem solving using a scalable structured programming language. The course assumes competency with programming and problem solving using variables, conditional statements, loops, classes (objects) and arrays. The course begins with a brief introduction to these prior programming concepts, before moving on to more advanced concepts such as class inheritance and interfaces, generics, and beginning data structures such as linked lists, stacks, and queues. The course includes more advanced programming techniques such as exceptions, recursion, networking, and data structures.

CPSC 270. Data and File Structures (3-3-0)

Prerequisite: Grade of C- or higher in CPSC 255.

Pre or corequisite: ENGR 213.

Fall and Spring.

Study of objects and data structures. Trees, graphs, heaps with performance analysis or related algorithms. Structure, search, sort/merge and retrieval of external files. Programming assignments will involve application of the topics covered.

CPSC 280. Introduction to Software Engineering (3-3-0)

Prerequisite: CPSC 255.

Fall and Spring.

This course introduces the theory and practice of building reliable software systems. It covers the life-cycle of software development and its existing models, methods for modeling, designing, testing and debugging software, and techniques to choose appropriate models to build systems involving individuals or teams of developers.

CPSC 327. C++ Programming (3-3-0)

[Formerly CPSC427, equivalent]

Prerequisite: CPSC 250/250L.

Fall and Spring.

Designed for students who already know how to program, but do not know C++. This is a comprehensive introduction to C++. The course will emphasize basic C++, in particular memory management, inheritance, and features needed for low level programming.

CPSC 330. Computer Organization (3-3-0)

Prerequisite: CPSC 250/250L, CPEN 214.

Fall.

Study of computer organization and architecture. Examine functional organization of a von Neumann computer including computer micro-operations, control organizations, basic instruction sets, addressing modes, CPU design, memory organization, and Input-Output organization. More advanced topics including vector processing and multiprocessors will also be introduced.

CPSC 335. Data Communication Systems (3-3-0)

Prerequisites: CPSC 250/250L; MATH 135 or 140 or 148.
Spring.

A broad overview of communications issues to include encoding, media, interfaces, error detection and correction, data compression, protocols, the OSI model, and LANs. Standard network applications such as ftp, telnet, and web browsers are discussed. Students will be required to design and implement a communications software project.

CPSC 336. Network Implementation and Administration I (3-3-0)

Prerequisite: CPSC 335.
Fall.

Study of TCP/IP based networks for a UNIX environment and the integration of different types of hardware and operating systems. Routing, domain name servers, and mail servers. Network application development tools: sockets and rpc. Projects include the configuration of a UNIX network. Introduction to Information Systems profession. Tools and techniques for profiling organizations and analyzing their goals and needs to determine and specify information systems requirements. Practical experience in real-life information systems analysis.

CPSC 350. Information Systems Analysis (3-3-0)

Prerequisites: CPSC 150/150L.
Fall.

Introduction to Information Systems profession. Tools and techniques for profiling organizations and analyzing their goals and needs to determine and specify information systems requirements. Practical experience in real-life information systems analysis.

CPSC 351. Information Systems Design and Implementation (3-3-0)

Prerequisites: CPSC 250/250L, CPSC 350.
Spring.

Lecture/project-based course for systematic design, implementation, and maintenance of computer information systems. From given requirements for a computer information system course guides student in methods, tools, and techniques for realizing the desired system.

CPSC 355. Electronic Commerce (3-3-0)

Prerequisite: Grade of C- or higher in CPSC 110 or 150 or 215.
Spring.

Electronic commerce is the process of electronically conducting all forms of business between entities in order to achieve the organization's objectives. Electronic commerce technologies embrace such activities as electronic trading, EDI, electronic banking, electronic mail, on-line services, and all forms of messaging, multimedia communications and video-conferencing. This course will concentrate on the impact of EDI to the following issues: security, social impact, marketing, governance and financial transactions.

CPSC 360. Programming Language Concepts (3-3-0)

Prerequisite: Grade of C- or higher in CPSC 255.
Fall and Spring.

Basic concepts dealing with information binding, arithmetic, string handling, data structures, storage and mapping, input/output, and execution environment. Specialized concepts concerning recursion, multiprocessing, list processing, and language extensibility. Several programming languages will be examined.

CPSC 410. Operating Systems I (3-3-0)

Prerequisites: CPSC 327 and CPEN 214.
Fall and Spring.

Introduction to operating systems, I/O processing, interrupt structure and multiprocessing-multiprogramming, job management, resource management, batch and interactive processing, deadlock problem, computer net-working through teleprocessing and system performance evaluation.

CPSC 420. Algorithms (3-3-0)

Prerequisites: CPSC 270, MATH 240.
Spring.

The application of analysis and design techniques to numerical and non-numerical algorithms which act on data structures. Examples will be taken from areas such as combinatorics, numerical analysis, systems programming, and artificial intelligence.

CPSC 425. Object Oriented Programming and Design (3-3-0)

Prerequisites: CPSC 280.
Spring.

Basic object-oriented design and applications of an object oriented programming language. It introduces object-oriented design methods and provides guidance in the effective implementation of object oriented programs.

CPSC 428. Cryptography and Network Security (3-3-0)

Prerequisite: CPSC 250, MATH 135 or 140 or 148, ENGL 223.
Spring.

Study of encryption algorithms and network security practices. Security issues, threats and attacks. Symmetric ciphers ("secret-key encryption"): classical and contemporary algorithms, standards and applications. Public-key encryption: theoretical background, practical implementations, key-management, hash algorithms. Network security practices: authentication, IP security, electronic mail and web security. System security.

CPSC 430. Simulation Modeling (3-3-0)

Prerequisites: MATH 125; MATH 135 or 140 or 148; MATH 235 or 260; CPSC 250/250L.
Fall.

Examines the quantitative analysis of management problems. This course is the Information Science equivalent of

engineering courses in Operations Research. Emphasis on essence of systems modeling and simulation, prospects for obtaining computer solutions, and extracting the most value out of the system's model and its computer solution rather than mathematics of quantitative analysis.

CPSC 440. Database Management Systems (3-3-0)

Prerequisite: CPSC 250 and 250L.

Fall.

Database (DB) concepts. Relational, hierarchical and network models. Query languages, data sub-languages and schema representations. The DB environment: DB administration, security, dictionaries, integrity, backup and recovery. May be taken as research intensive.

CPSC 445. WI: Information Systems Laboratory (3-3-0)

Prerequisite: ENGL 223 with a C- or higher; CPSC 350, 440.

Spring.

A major project that includes a study of the factors necessary for successful implementation and operation of information systems; the traditional life cycle approach to managing and controlling application development and alternative development approaches. Written and oral presentation of project. This course partially satisfies the writing intensive requirement. May be taken as research intensive.

CPSC 446. Network Implementation and Administration II (3-3-0)

Prerequisite: CPSC 336.

Spring.

A continuation of CPSC 336 to emphasize implementation and administration of information servers such as ftp, web and database servers for multiple platforms (emphasizing UNIX) with consideration for functionality and security. Interoperability of OS platforms for resource sharing and current web enhancements in the industry are also covered. Students are required to enhance the networks created in CPSC 336 with server implementations.

CPSC 450. Operating Systems II (3-3-0)

Prerequisites: CPSC 410.

Spring.

A continuation of CPSC 410 with emphasis on the area of intra-system communications.

CPSC 460. Introduction to Compilers (3-3-0)

Prerequisites: CPSC 360.

Spring.

A study of the problems of translating procedure oriented languages; lexicographic analysis, syntax checking, code generation and optimization, error detection and diagnostics.

CPSC 470. Theoretical Computer Science (3-3-0)

Prerequisites: CPSC 270, 360; MATH 240.

Fall.

Presentation of basic results relating to formal models of computation. Emphasis is placed on developing skills in understanding rigorous definitions in computing and in determining their logical consequences.

CPSC 471. Applied Artificial Intelligence (3-3-0)

Prerequisite: Grade of C- or higher in CPSC 255 or 327 and MATH 235 or MATH 260 or ENGR 340 or PHYS 340.

Fall.

This course is an introduction to the mathematical and computational foundations of artificial intelligence. Its emphasis is on those elements of artificial intelligence that are most useful for practical applications. Topics include heuristic search, problem solving, game playing, knowledge representation, logical inference, planning, reasoning under uncertainty, expert systems, machine learning, and language understanding. Programming assignments are required.

CPSC 472. Introduction to Robotics (3-3-0)

Prerequisite: CPSC 327 or CPSC 360 and MATH 235 or MATH 260 or ENGR 340 or PHYS 340.

Spring.

This course presents an overview of applied robotics. The course will cover introductions to configuration space representations, rigid body transforms in 2D and 3D, robot kinematics, basic control theory, motion planning, perception, and machine decision making. Perception topics include basic computer vision and laser rangefinder (LIDAR)-based obstacle detection and mapping. The course includes hands on development and system integration using various robotic platforms. Programming will be done in Ubuntu Linux in a mixture of C++ and Python; no prior experience is required, but students will be expected to self-teach the specifics necessary to complete the projects.

CPSC 475. Android Mobile Computing (3-3-0)

Prerequisite: Grade of C- or higher in CPSC 255.

Spring.

This course covers core concepts of the Android programming platform and its key components using the Android SDK and the Java programming language. Topics discussed include application lifecycle, user interface design, activities and intents, data persistence, networking, messaging, location-based applications, and android services.

CPSC 480. Software Design and Development (3-3-0)

Prerequisites: CPSC 280.

Fall.

Presentation of a formal approach to state-of-the-art techniques in software design and development. Application of such techniques in a team environment.

CPSC 485. Principles and Applications of Multimedia (3-3-0)

Prerequisite: CPSC 250.

Fall.

The purpose of this course is to learn the principles and techniques of multimedia focusing on digital images and audio. Technical topics include: the nature of sound and images and their digital representation; the different media types and formats; capture, editing, and publication techniques; workflow automation and programming; multimedia relevant web protocols. The course will also address copyright issues, graphic design, and human interface principles. A semester project is required.

CPSC 495. Special Topics (credits vary 1-3)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

CPSC 498. Capstone Project in Computer Science (3-3-0)

Prerequisite: Grade of C- or higher in CPSC 270 and senior standing; or consent of the instructor.

Directed projects or research under the supervision of a faculty member.

THE CURRICULUM IN ELECTRICAL ENGINEERING

EENG 221. Signals and Systems (3-3-0)

Prerequisite: Grade of C- or higher in MATH 240.

Spring.

This course covers the fundamental concepts of continuous-time and discrete-time signals (singularity functions, complex exponentials, Fourier representations, Laplace and Z transforms, sampling) and representations of linear, time invariant systems (difference and differential equations, block diagrams, system functions, poles and zeros, convolution, impulse and step responses, frequency responses).

EENG 311. Electric Circuits II (3-3-0)

Prerequisite: Grade of C- or higher in ENGR 211.

Corequisite: EENG 311L.

Fall.

This course covers advanced concepts of electric circuits including sinusoidal steady state response, sinusoidal steady-state power, three-phase circuits, Laplace and Fourier transforms, frequency selective circuits and active filters.

EENG 311L. Electric Circuits II Lab (1-0-3)

Pre or corequisite: Grade of C- or higher in EENG 311.

Fall.

Laboratory experiences to accompany the lecture part of this course. The laboratory activities emphasize design and analysis principles taught in the lecture. Lab experiments include characterizing and testing Sinusoidal steady state response of RLC circuits, Sinusoidal steady state power, three-phase circuits, frequency selective circuits and active filters.

EENG 321. Control Systems (3-3-0)

Prerequisite: Grade of C- or higher in EENG 221.

This course deals with the fundamental principles for analysis and design of control systems. Topics include dynamic modeling, dynamic response, basic properties of feedback, root-locus design method, frequency-response design method, and state-space design.

EENG 321L. Control System Laboratory (1-0-3)

Pre or Corequisite: EENG 321.

Laboratory experiences to accompany the lecture part of this course. The laboratory activities stress fundamental principles of the lecture course. These include the modeling of dynamic systems, various design techniques of feedback controller, and implementation of control systems. Lab fees apply each term.

EENG 361. Communication Systems I (3-3-0)

Prerequisite: Grade of C- or higher in EENG 221.

This course covers topics in digital and analog communications, including modulation techniques, noise considerations, performance aspects, and selected applications.

EENG 361L. Communication Systems Laboratory (1-0-3)

Pre or Corequisite: Grade of C- or higher in EENG 361.

Laboratory experiences to accompany the lecture part of this course. The laboratory activities stress fundamental principles of the lecture course including frequency response of systems, filtering, and various modulation techniques. Lab fees apply each term.

EENG 421. Industrial Control and Data Acquisition (3-3-0)

Prerequisite: Grade of C- or higher in EENG 321.

Elements of industrial control systems: sensors, actuators, and controllers. This course will emphasize PID controllers and industrial process control, including PLC. Introduction of data acquisition systems, A/D and D/A conversion, sampling theory; case study on data acquisition systems will be studied as well as tools and methods used for realization, analysis and assessment of industrial control and data acquisition systems.

EENG 461. Communication Systems II (3-3-0)

Prerequisite: Grade of C- or higher in EENG 361.

This course covers the fundamentals of wire and wireless communication systems, including data compression, error correction, modulation techniques, and channel access.

EENG 481. Digital Signal Processing (3-3-0)

Prerequisites: Grade of C- or higher in both EENG 221, MATH 320.

This course presents time and frequency domain analysis, difference equations, z-transform, FIR and IIR digital filter design, discrete Fourier transform, FFT, and random sequences.

EENG 498. WI: Electrical Engineering Capstone Project (Variable 1-3)

Prerequisites: ENGL 223 and CPEN 371W each with a grade of C- or higher.

Restriction: Senior standing.

Fall and Spring.

Capstone design project in which a senior student completes a practical electrical engineering project, including probabilistic aspects of the design, by applying the engineering knowledge and judgment they have acquired during their college career. A formal oral presentation and a written report are required as well the artifact that is the design. This course partially satisfies the writing intensive requirement. May be taken as research intensive.

THE CURRICULUM IN ENGINEERING

ENGR 121. Engineering Design (3-3-0)

Pre or corequisite: MATH 130 or 140 or 148.

Fall.

An introduction to the methods of modeling, analysis, design and computer programming in the solution of engineering problems. A consideration of the impact of technological artifacts on society. Questions of professional ethics. Student design projects required.

ENGR 211. Introduction to Electric Circuits and Electronics (3-3-0)

Prerequisites: PHYS 202/202L; MATH 240.

Pre or corequisite: MATH 320.

Fall.

A study of the basic experimental laws of electrical circuits; Ohm's Law and Kirchhoff's Laws of voltage and current. Analysis techniques for DC circuits. Properties of the basic circuit elements; resistor, inductors, capacitors. AC circuits, sinusoidal AC circuits, and their solution by phasor methods. Introduction to the operational amplifier.

ENGR 211L. Introduction to Electric Circuits and Electronics Laboratory (1-0-3)

Pre or corequisite: ENGR 211.

Fall.

Lab fees apply each term.

ENGR 212. Electronics (3-3-0)

Prerequisite: ENGR 211/211L.

Spring.

Introduction to basic solid state electronic devices including diodes and transistors and their operating principles. Modeling and analysis of electronic circuit biasing and small signal operation. Applications of discrete and integrated devices in analog electronic circuits.

ENGR 212L. Electronics Laboratory (1-0-3)

Pre or corequisite: ENGR 212.

Spring.

Lab fees apply each term.

ENGR 213. Discrete Structures for Computer Applications (3-3-0)

Prerequisite: CPSC 150/150L.

Fall and Spring.

Fundamental mathematical tools used in the analysis of algorithms and data structures, including logic, sets and functions, recursive algorithms and recurrence relations, combinatorics and graphs.

ENGR 340. Mathematical Methods for Engineers and Scientists (3-3-0)

Pre or corequisite: MATH 240.

Fall.

Introduction of mathematical methods and concepts that are essential for engineers, computer scientists, physicists, as well as members of related disciplines. Topics include linear algebra, complex variables, mathematical transformations and numerical analysis.

THE CURRICULUM IN PHYSICS

PHYS 105L. Elementary Physics Laboratory (1-0-3) AINW

Pre or corequisite: PHYS 141 or 142 or 143 or 144.

Fall and Spring.

Physics laboratory experiences to accompany PHYS 141, 142, 143, 144. For non-science students. The laboratories introduce fundamental physics principles and the application of these principals to society. Lab fees apply each term.

PHYS 141. How Things Work (3-3-0) AINW

Prerequisite: High school algebra.

Fall and Spring.

Designed for non-science majors. Physical concepts including mechanics, heat, sound, electromagnetism and nuclear physics are studied in the context of everyday phenomena. Investigation begins with whole objects and looks inside them to see what makes them work. Because it concentrates on concepts rather than math, and on familiar objects rather than abstract constructs, this course offers students with many different learning styles substantial insights into our modern world.

PHYS 142. Energy: Principles, Problems and Societal Impact (3-3-0) AINW

Prerequisite: High school algebra.

Spring.

Designed for non-science majors. Topics include Energy Principles, Mechanical energy, Electromagnetic energy, Thermodynamic energy, Nuclear energy, Solar energy and other energy systems. Energy conservation, environmental issues and societal impact issues will be discussed.

PHYS 143. Physics Unveiled: The Magic and The Mystery (3-3-0) AINW

Prerequisite: High school algebra.

Fall and Spring.

Designed for non-science majors. This course provides an introduction to the revolutionary developments in our understanding of the magical mysteries of the physical world that evolved during the 20th century. It is intended for non-science majors and provides a background for other courses in physics and astronomy. Basic physical concepts in mechanics, electromagnetism and quantum physics will be applied to investigations of topics such as flight, space travel, medicine, communication and industry. Course topics will cover both the macroscopic world and microscopic phenomena. The course will focus on concept development with simple problem solving.

PHYS 144. Introduction to Astronomy (3-3-0) AINW

Prerequisite: High school algebra.

Fall and Spring.

Designed for non-science majors. This course provides an introduction to, and survey of modern astronomy. The course will cover the observation, natural history and physical theories governing star and planet formation and evolution, galaxy formation, galactic structures and the beginning, evolution and end of the universe as a whole. The approach will be primarily descriptive although some computation and computer work will be necessary. This course provides the background for more advanced courses in astronomy and astrophysics.

PHYS 151-152. Intermediate Physics (3-3-0) AINW

Prerequisite for PHYS 151: High school algebra and trigonometry or consent of instructor.

Prerequisite for PHYS 152: PHYS 151.

Fall and Spring.

A presentation of the major concepts of physics, using algebra and trigonometry. For science students (but not for engineering, physics, or mathematics students). Topics covered include mechanics, thermodynamics, waves, electromagnetism, optics, and modern physics.

PHYS 151L-152L. Intermediate Physics Laboratory (1-0-3) AINW

Pre or corequisite for PHYS151L: PHYS 151.

Pre or corequisite for PHYS152L: PHYS 152.

Fall and Spring.

Physics laboratory activities to accompany the lecture part of the course. The laboratories introduce fundamental physical principles, rudimentary data analysis, and computer-aided control and data acquisition. Lab fees apply each term.

PHYS 201. General Physics (3-3-0) AINW

Pre or co requisite: MATH 140 or 148.

Fall and Spring.

This is a first semester, calculus-based introductory physics course. Basic principles of mechanics are developed. Topics

include units, measurement, vectors, displacement, velocity, acceleration, force, equilibrium, mass, Newton's laws, work, energy and momentum.

PHYS 201L. General Physics Laboratory (1-0-3) AINW

Pre or corequisite: PHYS 201.

Fall.

The first semester of physics laboratory experiences to accompany the lecture part of the course. The laboratory introduces experimental techniques, data analysis and data analysis tools, and technical report writing utilizing the fundamental physical principles introduced in the lecture portion of the course. Computer use is integrated throughout the laboratory exercise. Lab fees apply each term.

PHYS 202. General Physics (3-3-0) AINW

Prerequisite: PHYS 201; Pre or corequisite: MATH 240.

Fall and Spring.

This is a second semester, calculus-based introductory physics course. The course covers electricity, including electrostatics and electric fields, Gauss's law, electric potential, capacitors, dielectrics, current, resistance, DC circuits, magnetic fields, inductance and AC currents.

PHYS 202L. General Physics Laboratory (1-0-3) AINW

Pre or corequisite: PHYS 202.

Spring.

The second semester of physics laboratory experiences to accompany the lecture part of the course. The laboratory introduces fundamental physical principles, data analysis skills, and data analysis tools. Computer use is integrated throughout the laboratory exercise. Lab fees apply each term.

PHYS 301. Intermediate Classical Mechanics (3-3-0)

Prerequisite: Grade of C- or higher in PHYS 201 and MATH 250. Corequisite: MATH 320.

Spring.

This is the first semester of a two semester sequence in classical mechanics. This course will lay the foundation for PHYS 401. The topics for this course include: conservative force analysis, motion under linear and quadratic friction, rocket motion, driven-damped harmonic motion, normal modes, motion in non-inertial reference frames, and analysis of rigid body rotation.

PHYS 303. General Physics (3-3-0)

Prerequisite: PHYS 202. Corequisite: MATH 250.

Fall.

This is a one semester introduction to waves, thermodynamics and optics. Topics include oscillations, mechanical waves, sound, the Doppler effect, superposition, standing waves, temperature, heat, equations of state, thermodynamic processes, heat engines, refrigerators, first and second laws of thermodynamics, entropy and geometric optics.

PHYS 304. Electrostatics (3-3-0)

Prerequisite: Grade of C- or higher in PHYS 202.

Corequisite: MATH 320.

Fall.

This is the first semester of a two semester sequence in electricity and magnetism. This course will lay the foundation for PHYS 404. The topics for this course include Gauss's law, Coulomb's law, Laplace's equation, Poisson's equation, electric fields in matter, magnetostatics and magnetic fields in matter.

PHYS 338. Apprenticeship in Teaching Physics (3-1-4)

Prerequisites: Junior standing, 15 credits in major.

Pre or corequisite: MATH 320.

As needed.

The student will work directly with a faculty member from the department in designing laboratory experiments and demonstrations, teaching parts of laboratories and giving demonstrations in classes. Special emphasis will be given to the use of learning technologies, including computers and multimedia in the classroom.

PHYS 340. Methods of Theoretical Physics (3-3-0)

Prerequisites: MATH 240; PHYS 303 is recommended.

Corequisite: PHYS 202/202L.

Fall.

Survey of the theoretical methods used for analyzing and predicting physical phenomena. Topics include linear systems of equations, matrices, vectors, complex variables, and linear transforms. Computers will be used to implement these methods for a variety of physical systems.

PHYS 341. Design and Analysis of Experiments (3-3-0)

Prerequisites: PHYS 151/152 or PHYS 202/202L and MATH 140 or 148.

Fall.

An introduction to the field of experimental design, with particular reference to the use of advanced statistical techniques for experimental analysis. Topics include propagation of experimental uncertainties, distributions about the mean, estimating means and errors, statistical inference, analysis of variance, single factor experiments, block designs and Latin squares, factorial experiments, and nested experiments.

PHYS 344. Introduction to Astrophysics (3-3-0)

Prerequisite: PHYS 202 and MATH 240.

Spring.

This is a one-semester introduction to the field of astrophysics. It focuses on the application of calculus-based math to study modern astrophysics. Topics include: celestial mechanics, space weather, the nature of life-cycle of stars and the solar system.

PHYS 351. Modern Physics (3-3-0)

Prerequisite: PHYS 303.

Spring.

A survey of the developments in atomic and nuclear physics. This course provides an introduction to quantum mechanics and its application to contemporary measurement systems.

PHYS 352. Device Physics (3-3-0)

Prerequisite: PHYS 351.

Fall, even-numbered years.

The physical principles which underlie the operation of technologically important electronic and optical devices. The course deals with semi-conductor devices: junction, field effect and charge coupled devices, as well as devices based upon electro-optical effects.

PHYS 401. Advanced Topics in Mechanics (3-3-0)

Prerequisite: PHYS 301, 340; MATH 250, 320.

Fall.

This is the second semester of a two semester sequence in classical mechanics. It builds upon a foundation of mechanics studies in PHYS 301. The topics for this course include: scattering theory, the calculus of variations, Lagrangian mechanics, Hamiltonian mechanics, chaos theory, continuum mechanics, and special relativity with tensors.

PHYS 402. Quantum Physics (3-3-0)

Prerequisites: PHYS 301, 351; MATH 250, 320; MATH 260 or PHYS 340.

Spring.

Study of the quantum mechanics of simple physical systems. Topics include the wave function, Schrodinger's equation, one-dimensional systems, the harmonic oscillator, angular momentum, the hydrogen atom, approximation methods, scattering, and electromagnetic radiation.

PHYS 404. Electrodynamics (3-3-0)

Prerequisite: PHYS 304, and MATH 250 and 320.

Spring, odd-numbered years.

This is the second semester of a two semester sequence in electricity and magnetism. It builds upon a foundation of electrostatics studied in PHYS 304. The topics for this course include electromotive force, Faraday's law, Maxwell's equations, conservation laws, electromagnetic waves, potentials and fields, radiation and relativity.

PHYS 406. Thermodynamics (3-3-0)

Prerequisites: MATH 320, PHYS 351.

Spring.

An in-depth review of classical thermodynamics as introduced in PHYS 303 (temperature; ideal gas law; zeroth, first, and second laws, heat capacity; phase changes, heat transport; thermodynamic processes; heat engines and refrigerators; reversibility, irreversibility and entropy) and an introduction to statistical physics (microstates and macrostates), the multiplicity function, the Boltzmann

and Gibbs factors, the partition function, thermodynamic potentials, the cononical and grand cononical ensembles Fermi-Dirac and Bose-Einstein gases, Debye Theory.

PHYS 421. System Design Lab (Data Acquisition) (3-3-0)

Prerequisite: ENGR 211/211L; CPEN 214; CPSC 250/250L. Fall.

The investigation of advanced physics in an experimental laboratory. Design of experiments. The study of experimental techniques and methodologies with a focus on optimization and efficiency. The use computers as data acquisition systems. Development of data acquisition and analysis software.

PHYS 431. Optical Physics (3-3-0)

Prerequisite: PHYS 303, 304, 340. Fall, odd-numbered years.

A continuation of the fundamentals studied in PHYS 303. Topics include: electromagnetic waves in media, polarization, radiometry and photometry, the Fresnel equations, dispersion, matrix methods in geometrical optics, H-planes, interferometry, and diffraction.

PHYS 441. Modeling and Simulation (3-3-0)

Prerequisite: CPSC 250/250L or consent of instructor; PHYS 340 and MATH 320 or just MATH 380. Spring, odd-numbered years.

The modeling and simulation of physical systems. Applying software methodologies to the solution of physical problems. Lectures will typically involve a short review of some physics topic such as Keplerian motion, followed by an extensive discussion on the modeling and/or simulation of the problem.

PHYS 495. Special Topics (credits vary 1-3)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

TOPICS COURSES AND INDEPENDENT STUDY

PCSE 195. Special Topics (credits vary 1-3)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

PCSE 295. Special Topics (credits vary 1-3)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

PCSE 299. Elementary Independent Study in Applied Physics and Computer Science (credits vary 1-3)

May be taken as research intensive.

Directed research or projects under the direction of a faculty advisor. This course is subject to the University policy on independent study (see index).

PCSE 395. Special Topics (credits vary 1-3)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

PCSE 399. Intermediate Independent Study in Applied Physics and Computer Science (credits vary 1-3)

May be taken as research intensive.

Directed research or projects under the direction of a faculty advisor. These courses are regulated under the University Policy on Independent Study (see General Academic Policies section of this catalog for details).

PCSE 495. Special Topics (credits vary 1-3)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

PCSE 498. WI: Capstone Project in Applied Physics (credits vary 1-3)

Prerequisite: ENGL 223 with a C- or higher.

Directed research or projects under the direction of a faculty advisor. This course partially satisfies the writing intensive requirement and can be repeated twice for a maximum of three credits.

PCSE 499. Advanced Independent Study in Applied Physics and Computer Science (credits vary 1-3)

Prerequisite: Consent of instructor and Department Chair.

May be taken as research intensive. Directed research or projects under the direction of a faculty advisor. This course is regulated under the University Policy on Independent Study (see General Academic Policies section of this catalog for details).

DEPARTMENT OF POLITICAL SCIENCE

Dr. Michelle A. Barnello, Chair
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Faculty

Professor: Busch, Kidd

Associate Professor: Barnello, Camobreco, Greenlee, Rizova

Assistant Professor: Bromley-Trujillo, Chaudhry, Chouhoun, Kirkpatrick, Lynerd, Sun

Lecturer: Bitecofer, Shelton

Emeriti: Carlson, Doane, Killam, Miller, Williams, Winter

Mission Statement

The mission of the Department of Political Science is to help students become aware of the numerous and complex ways in which political forces shape their lives. Our academic offerings accomplish this by focusing on the core areas of the discipline of Political Science, which include American politics, political theory, and comparative politics and international relations. American government courses teach students about the forces that influence politics in the United States and how governmental institutions in this country operate. Political theory courses raise awareness of the deep and fundamental questions asked for centuries by classical and contemporary philosophers. Comparative politics and international relations courses provide students with an understanding of political systems from around the world and help them to understand the dynamics of international politics and the functioning of global institutions. Students are also taught how critical analysis and the scientific method can be applied to understand the workings of government and politics.

The Department of Political Science offers a Bachelor of Arts degree in political science. A degree in political science prepares students for a wide range of employment opportunities in both the public and private sectors, and serves as a foundation for law or graduate school. Our students have gone on to successful careers in local, state, and national government, academics, politics, the legal field, law enforcement, engineering, and the military.

Additionally, some of the department's course offerings may be used to fulfill the university's liberal learning curriculum requirements. The effects of politics and government seep into all areas of life, and thus our students are well equipped to handle a variety of situations. Students who study political science are able to make more informed decisions in both their professional and personal worlds, thereby helping to make them responsible democratic citizens.

Graduate Studies Preparation

The Bachelor of Arts in political science is excellent preparation for admission to and success in graduate school. Recent graduates have gone on to study at schools such as University of North Carolina-Chapel Hill, University of Michigan, Pennsylvania State University, Purdue University, The College of William and Mary, George Mason University, American University, Virginia Tech University, University of Illinois, University of Florida, University of Mississippi, University of San Diego, and University of Maryland. Students interested in pursuing graduate studies should consult their academic advisors to plan an appropriate course of study.

Law School Preparation

The Bachelor of Arts in political science is excellent preparation for admission to and success in law school. Courses involving rigorous analytical skills are strongly recommended by law school admissions committees. Recent graduates have been admitted to law schools at schools such as University of Richmond, University of Virginia, The College of William and Mary, George Mason University, University of Delaware, University of Nebraska, Pennsylvania State University, University of Pittsburgh, and University of Wisconsin. Students interested in attending law school should contact their academic advisors to plan an appropriate course of study. For additional information on law school preparation, see the *Pre-Law Program* located in this catalog.

Internship Opportunities

We encourage our majors to take political and government-related internships at the local, state, federal, and international levels. Internships might be as varied as working with government agencies, international organizations, political campaigns, private firms, or domestic or foreign-based non-profit organizations.

Bachelor of Arts Degree in Political Science

The major in political science is a rigorous academic program that provides a general liberal arts background for the study of politics and government. The Department's faculty presents a diversity of ideological orientations and methodological approaches that offer students a wide variety of viewpoints and perspectives on political issues.

The major in political science requires successful completion of 36 credit hours, including the following:

- 1. Core courses:** POLS 100, 101, 215, 352 and 490W.
- 2. Major Electives:** Select 21 hours in POLS courses in

consultation with your academic advisor. At least 18 hours must be numbered at the 300-400 levels.

Minor in Political Science (18 credits)

The minor in political science requires the successful completion of 18 credits, including:

1. POLS 100 or 101;
2. POLS 215;
3. Select four POLS courses (12 credits) at or above the 200-level in consultation with a departmental academic advisor. At least three courses (9 credits) must be at the 300- or 400-level.

Teacher Preparation in History and Social Science

Those students who wish to become teachers should apply to the five-year Master of Arts in Teaching (M.A.T.) program. Application to the program must be made in spring of the junior year. See the *Graduate Catalog* for application instructions and requirements. Students will earn a **B.A. in political science** after the first four years and then complete an additional year of study leading to an M.A.T. degree. Students majoring in political science can prepare to teach elementary school, pre-kindergarten through grade six, all core subjects, or secondary school, grades six through 12, in the content area of **history and social science**. The courses and degree requirements for the M.A.T. are found in the graduate catalog. Students accepted into this program must complete one of the following tracks for graduation with the bachelor's degree:

Elementary level (PK-6) Track

Major courses required:

See major requirements for the B.A. in political science.

Support courses required:

- ENGL 123, 223; 310 or 430, and 316;
- COMM 201 or THEA 230;
- CPSC 110;
- MATH 109, 125;
- HIST 111, 121, 122;
- POLS 101;
- GEOG 210;
- PSYC 208, 312;
- SOCL 314/314L;
- BIOL 107 or 108; CHEM 103; PHYS 141; PHYS 105L or BIOL 109L;
- NSCI 310.

* Support courses may change based on regulations from the Virginia Department of Education.

Graduate courses* required (senior year):

Select six credits from a), b), or c):

- a) MATH 570;
- b) PSYC/TCHG 544;
- c) MLAN 511, ENGL 530.

Secondary level (6-12) Track: History/Social Science Endorsement

Major courses required:

See major requirements for the B.A. in political science.

Support courses required:

MATH 125; CPSC 110, COMM 201 or THEA 230; PSYC 207 or 208, 312; SOCL 314/314L; ECON 201 or 202; GEOG 210, 211; HIST 111, 112, 121, 122, 390; and two upper level history electives.

Graduate courses* required (senior year):

Select six credits: 500 level History courses; or PSYC 535.

*See the graduate catalog for course descriptions.

THE CURRICULUM IN POLITICAL SCIENCE

(All POLS courses are formerly GOVT, equivalent)

POLS 100. Political Thought and Society (3-3-0)

Fall and Spring.

This course is an introduction to western political theory. The course focuses on the theoretical foundations of politics including the principal concepts, ideas, and theories of the study of the political world. Particular focus is given to the state, citizen, government, power, justice and conflict in the development of the modern western political system.

POLS 101. Power and Politics in America (3-3-0) AIDE

Fall and Spring

An introduction to the dynamics of the American political system. The course focuses on political institutions such as the presidency, Congress, the judiciary, and topics including the bureaucracy, elections, political parties, and interest groups. The course emphasizes critical thinking about politics, governmental institutions, and power in the United States.

POLS 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

POLS 202. State and Local Government (3-3-0)

This course focuses on state governments and the political forces at work at the state and local levels within the United States. While containing many of the same political institutions as the federal government, the states have their own unique social and cultural backgrounds. In addition, the states make and implement their own public policies, many of which impact the daily lives of their citizens more often than some at the federal level. Topics covered include: federalism, state legislatures, and local governments.

POLS 204. Hate Crime Realities and Consequences (3-3-0)

This course examines the causes and effects of “hate crime” –crimes motivated in whole or in part by a bias against the victim’s perceived race, religion, ethnicity, sexual orientation or disability. The class discusses the problematic issues related to defining and recording hate crimes, the theoretical perspectives on motivation to commit hate crime, and governmental policies designed to reduce it.

POLS 215. Comparative and International Politics (3-3-0)

Fall and Spring.

This course will introduce students to the political world beyond our borders. It combines the study of the international state system with the study of politics within states. The course will involve critical thinking about world issues and the organization of society and require students to debate contemporary political issues such as what responsibility rich countries have towards poor countries, legitimacy of tactics for pursuing political gains, when war is just and the challenges that exist to organizing internationally.

POLS 240. The Supreme Court in American Politics (3-3-0) AIDE

This course provides an examination of the United States Supreme Court as a political institution and as the custodian of the American system of government. The history of the court and its role in the federal judicial process is reviewed, and individual cases are examined to analyze developments in constitutional interpretation, federal-state relations, and individual rights and liberties. The course will highlight the distinctly varied philosophies of justices and how the dynamics of the court shift over time.

POLS 243. Crime and Punishment in America (3-3-0)

A survey of the criminal justice system and overview of the major system components: law enforcement, judiciary and corrections; theories of crime causation and use of crime statistics. The focus is on identifying the relationships among the components of the criminal justice system and other components of government, critical thinking and issues confronting the system and its various components.

POLS 291. Community Service Internship (Credits vary 1-3)

The community service internship provides opportunities for students to: 1) serve the community, 2) explore a possible career field, and 3) gain experience in understanding the effectiveness of organizations and their programs. Interns serve in a governmental or non-profit organization. For-profit organizations may be utilized if there is a clear connection between the program’s purpose and the public’s well-being. The course may be enrolled for one, two or three credit hours, requiring 25, 50 or 75 hours of community service

respectively with an organization approved by the instructor of record. A weekly journal is required of all participants on such topics as the role of volunteers in formal organizations, liability, services delivery effectiveness, political pressure, and career opportunities. A final paper analyzing the experience is required.

POLS 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

POLS 301. Politics and Travel (3-3-0)

Prerequisite: Sophomore standing or consent of instructor.

This course will allow students from all disciplines to study politics and governmental institutions abroad. Destinations and topics will depend upon faculty expertise and student interest. Additional fees may be required. Course may be repeated twice for a maximum of nine credits.

POLS 307. Civil Liberties (3-3-0)

Prerequisite: POLS 100 or 101.

This course will examine basic civil rights and liberties. Students will gain an understanding of contemporary and controversial public policy issues. Some of the issues that will be addressed in the class are same sex marriages, rights of privacy, voting rights, freedom of religion and rights of the accused. Class time will include lecture, guest speakers, student discussion, video presentations and panel discussions.

POLS 311. WI: Comparative Politics (3-3-0)

Prerequisite: ENGL 223 with a C- or higher, POLS 215.

A comparative study of the governmental processes of selected nations in terms of their ideologies, institutions, political organizations, and policies such as social welfare, crime control, urbanization, economic management, and foreign affairs. This course partially satisfies the writing intensive requirement.

POLS 316. Constitutional Law (3-3-0)

Prerequisite: Minimum junior standing or consent of instructor.

This course will explore the fundamentals of constitutional law. Civil rights and civil liberties through the study of many landmark U.S. Supreme Court cases will be studied. The restrictions on government and resolution of political questions through the courts will be covered.

POLS 320. Religion and Politics in the United States (3-3-0)

Prerequisite: POLS 101.

This course explores the link between religion and politics in America from a social scientific standpoint. It includes an examination of how religion has influenced American politics and policy both historically and currently. Topics include the religious roots of American culture, church-state relations, and the changing nature of religion’s impact on American political behavior.

POLS 322. Conflict and Peace Studies (3-3-0)*Prerequisite: POLS 215.*

For millennia, philosophers, religious thinkers, and political activists have written about peace and war. Conflicts are found in all human communities; but peace is the state of mind everyone desires. This course examines the nature and causes of conflict, conflict resolution, and the foundations of peace. By analyzing different case studies, we discuss the sources, causes and determinants of conflict, present the various perspectives on conflict management, and study different ways of peacemaking. We study academic writings in international relations, politics, and conflict and peace studies to explore a variety of techniques employed in managing, resolving, and preventing conflict.

POLS 323. American Foreign Policy (3-3-0)*Prerequisite: POLS 101 or consent of instructor.*

A seminar examining the foundations of American foreign policy including issues of world leadership, military strategy, economic relations, and the institutional processes in the formulation of foreign policy.

POLS 327. International Law and International Organizations (3-3-0)*Prerequisite: POLS 215.*

This course provides a formal introduction to international law and international organizations and emphasizes the relationship between law and the political behavior of states, institutions, and other international actors in world politics. International law is more relevant than ever before. From the international wars to environmental challenges, from human rights violations to the question of statehood, globalization, and the law of war, international law has a direct influence on international affairs. This course focuses on the nature, sources, and applications of international law and analyses its effect on issues in contemporary international relations.

POLS 329. International Human Rights (3-3-0)*Prerequisite: POLS 215.*

Human rights and especially human rights violations are some of the most discussed issues on the international agenda. The conflicts in the former Yugoslavia, Israel/Palestine, Rwanda, and Sudan are only among the best-known examples involving gross violations of human rights. This course examines human rights issues from different academic perspectives including politics, history, and law. The main focus is on the international management of human rights and the protection of individuals and groups on the international level. A number of exemplary case studies are considered to illustrate achievements, efficiency, and outcome of today's international human rights protection regime.

POLS 330. Middle Eastern Politics (3-3-0)*Prerequisite: POLS 215.*

This course explores the impact of authoritarian rule, recent

uprisings, and calls for change to the political, economic, social and cultural environment of the Middle East and North Africa (MENA), and discusses the juxtaposition of secular modernism and religious revival in the area. Different case studies will shed light on a region that has been the focus of international attention and scrutiny in both public political discourse and in media coverage over the past decades.

POLS 333. Congress (3-3-0)*Prerequisite: POLS 101 or consent of instructor.*

This course focuses on a general overview of the powers of Congress. Particular attention is devoted to understanding how an individual wins a congressional election, factors that affect congressional behavior, and the impact Congress has on public policy making. Topics covered include: congressional elections, representation, coalition building, voting behavior, leadership, committees, legislative process and decision making, and organized interests.

POLS 338. Politics of Weapons Proliferation (3-3-0)*Prerequisite: POLS 215.*

This course examines the threats posed by the proliferation of weapons of mass destruction to aspiring states and terrorist groups and the strategies that the United States and the international community have employed to prevent the spread of these weapons. Key topics that we will examine include the technologies necessary for these weapons, the relevant treaties and international agreements that attempt to prevent WMD proliferation, and the primary countries and terrorist groups that are attempting to acquire these weapons.

POLS 340. Might and Right Among Nations (3-3-0)*Prerequisite: POLS 100 or 215.*

The main purpose of the course is to acquaint students with the evolution of international relations thought by means of a critical examination of classics in the tradition of political philosophy. Readings will be drawn from works of classical thinkers including Thucydides, Machiavelli, Grotius, Hobbes, Rousseau, and Kant, as well as some representative contemporary theorists. From these will emerge the concepts, assumptions, and issues that continue to dominate thinking about world politics today, including: the legitimate basis of political authority, the nature of sovereignty, the implications of "human nature" for world politics, and the possibilities and limits of international ethics.

POLS 344. The Presidency (3-3-0)*Prerequisite: POLS 101 or consent of instructor.*

A seminar examining the American presidency, with a particular focus on its constitutional foundation, the process of selection, presidential leadership, and presidential relations with other political institutions and the public.

POLS 347. Justice, Politics and Policy (3-3-0)

This course examines how public opinion shapes politics which, in turn, shapes policy in the criminal justice

agencies. The American representative form of government is examined in the context of how and why we create and implement public policy in the federal, state and local justice systems.

POLS 350. Latin American Politics and Societies (3-3-0)

Prerequisite: POLS 215 or consent of instructor.

This is a course that introduces students to regime change, democratic institutional design, and social transformations in contemporary Latin America. Students will learn about classical and novel theoretical perspectives that help us understand how differences in electoral systems, executive, and legislative structure affect political outcomes such as democratic regime stability and governability in Latin America. The last section of the course will explore important social phenomena in the region such as drug trafficking, corruption, indigenous people's mobilization, and the rise of the new left.

POLS 351. East and Central European Politics and Societies (3-3-0)

Prerequisite: POLS 215 or consent of instructor.

This course introduces students to the politics, society, and culture of East and Central European countries during three historical junctures in the region's development – the interwar period of state formation, the years of communist rule, and the post-communist era. Students will learn about classical and novel theoretical perspectives that help us understand how differences in electoral systems, executive, and legislative structure affect political outcomes such as democratic regime stability and governability in post-communist East and Central Europe. The course will also explore important social phenomena in the region such as right-wing political extremism, corruption, ethnic conflict, and immigration issues.

POLS 352. Research Methods and Quantitative Analysis (3-3-0)

Prerequisite: MATH 125 or consent of instructor.

Fall and Spring.

An examination of the common methodological issues of social science research along with an introduction to the quantitative method. Topics include the conceptual foundations of research and the basic elements of research, research design and structure, data collection, and data-analysis techniques.

POLS 353. East Asian Politics (3-3-0)

Prerequisite: POLS 215.

East Asia is one of the most economically dynamic regions in the world. The term "East Asian Politics," however, collapses together a disparate array of political, economic, and social structures, institutions, and practices. One objective of this course is to disentangle each of these factors and examine their respective influences on the contemporary politics

of these countries. While the course involves gaining an appreciation for East Asia's historical richness and complexity, we will primarily focus on contemporary issues related to the "East Asian economic development model," which reflects the unique relationship between political and economic development in this region.

POLS 354. Political Campaigns and Elections (3-3-0)

Prerequisite: POLS 101 or consent of instructor.

A seminar examining the theoretical, historical and political principles of political campaigns and elections in the United States. Particular attention is given to understanding the various factors that influence individual election outcomes, how elections impact the operation of government and public policy, and influences on elections such as the media, political action committees, and political parties.

POLS 357. Classical Political Thought (3-3-0)

Prerequisite: POLS 100 or consent of instructor.

Beginnings of the Western political heritage as shaped by the great political thinkers from Plato to Cicero.

POLS 358. Modern Political Thought (3-3-0)

Prerequisite: POLS 100 or consent of instructor.

Political thought of the Renaissance to that of the late nineteenth century, as represented by such thinkers as Machiavelli, Hobbes, Locke, Rousseau, Wollstonecraft, Hegel, Marx, and Nietzsche. Particular emphasis is placed on the aspirations of liberalism and the criticisms these aspirations inspired.

POLS 359. American Political Thought (3-3-0)

Prerequisite: POLS 100, 101 or consent of instructor.

History of American political thought from the founding to the Progressives, as represented by such thinkers as Locke, the Founders, federalists and anti-federalists, Tocqueville, and Lincoln. Particular emphasis is placed on views of democracy, liberty, equality, property and the Union.

POLS 363. The Judicial Process (3-3-0)

Prerequisite: POLS 101 or consent of instructor.

An examination of institutional analysis of the judiciary in the context of sociopolitical conceptions of adjudication with emphasis on the role of courts in American society.

POLS 368. WI: Comparative Criminal Justice Systems (3-3-0)

Prerequisite: ENGL 223 with a C- or higher.

The course presents an overview of the criminal justice systems in the United States and other countries. The law enforcement, judiciary and corrections components are examined within various national systems to identify the functions which best serve host political systems. Issues relating to the administration of justice within the context of urban and rural settings are also examined. This course partially satisfies the writing intensive requirement.

POLS 371. WI: Public Administration and Policy (3-3-0)

Prerequisite: ENGL 223 with a C- or higher.

An introduction to management in public, non-profit, and international career fields. The course concentrates upon examining resources for creating successful, high performance organizations. Primary topics of study include the role of politics in public administration, structural and human resources available for creating efficient and effective programs, communication styles and strategies, and budgeting and evaluation techniques and strategies. This course partially satisfies writing intensive requirement.

POLS 375. Labor Law and Politics (3-3-0)

This course will examine political and court decisions, as well as state, federal, and constitutional laws that impact the employment environment. Particular emphasis will be given to federal laws such as Title VII, Americans with Disabilities Act, Equal Pay Act, Age Discrimination Act, and specific Civil Rights Acts. Students will gain an understanding as to why these laws came into existence and how prospective and current employees and supervisors are affected.

POLS 380. Terrorism (3-3-0)

Prerequisite: POLS 215.

This course will examine the modern phenomenon of terrorism. We will define terrorism, consider its motivations, review the new dangers associated with terrorist access to weapons of mass destruction, and debate policy proposals that might be taken by democratic regimes to reduce the likelihood of terrorism or mitigate its consequences. Although we will examine a number of different types of terrorism and terrorist groups (including left-wing and right-wing terrorism), we will pay particular attention to the events leading up to and following September 11, 2001 – including a close examination of Al Qaeda and the U.S. “war on terrorism.”

POLS 381. International Political Economy (3-3-0)

Prerequisite: POLS 215 or consent of instructor.

Restricted to junior and senior standing.

This course introduces students to the study of international political economy (IPE). It addresses the reciprocal and interactive relationship between politics and economics in the historical and contemporary international system by exploring the effect of political factors on international economic relations as well as the impact of economic factors on domestic and international politics. The course introduces the theoretical frameworks that guide the study of IPE, and applies these frameworks to the relations between principal state and non-state actors in a variety of issues in IPE, including international trade, foreign investment flows, international monetary relations, currency crises, international development, and global governance.

POLS 382. Women and Politics (3-3-0)

Prerequisite: ENGL 223.

This course introduces students to the various roles of women in American politics. It covers a wide range of topics from the history of women’s involvement in politics in America to the future of women in politics. Other topics covered include: feminist theories, women’s political participation, and contemporary public policies of particular interest to women. Overall, the course investigates the role women have played in shaping the American political system and the significant political accomplishments of women.

POLS 391. International Environmental Politics (3-3-0)

Prerequisite: POLS 215.

This course is designed to provide students with an overview of contemporary environmental politics, primarily looking at the developed world of advanced capitalist societies. Because environmental problems do not stop at international borders, environmental solutions require international cooperation. We will seek to understand why that cooperation is so difficult to achieve. Topics include the dynamics of environmental politics in different states, the processes of environmental policy making, stumbling blocks to reaching international agreement, and the role of different actors: multi-national corporations, policy makers, scientific experts, political parties, the public, the media, and the environmental lobby.

POLS 395. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. A maximum of nine credits may be counted toward a degree.

POLS 402. WI: International Relations Theory and World Issues (3-3-0)

Prerequisite: POLS 215.

Fall, alternate years.

A seminar examining the central international relations theories including realism, neo-realism, liberalism, neo-liberalism, within the context of contemporary world issues. This course partially satisfies the writing intensive requirement.

POLS 410. Ethnic Conflict and Nationalism (3-3-0)

Prerequisite: POLS 215.

Conflicts in the Balkans, Northern Ireland, Rwanda, Darfur, Iraq, Israel/Palestine, Sri Lanka, and India, among others, have led to tremendous human suffering and massive political mobilization. This course provides an overview of the causes, character, and dynamics of ethnic conflicts and the strategies that can be employed to resolve them. It discusses the relationship between the theory of nationalism and ethnic conflict and puts issues accompanying ethnic conflict in a broader context of international politics. A number of exemplary case studies are considered to illustrate causes, trends, and consequences of conflicts and to discuss their resolution.

POLS 450. Ethics in Government and Politics (3-3-0)

An examination of the process of generating criteria derived from democratic theory for making ethical judgments. The application of criteria to political situations as depicted in selected case studies. A review of ethical principles and their application, misleading assumptions, and false distinctions that may obstruct effective ethical decision-making about political actions.

POLS 454. American Political Behavior (3-3-0)

Prerequisite: POLS 101 and junior standing or consent of instructor.

Why do some people vote and others do not? Why are some people turned off by the political process and others are not? How are people mobilized to participate in the political process? How is public opinion formed? What is ideology and how is it formed? This course will develop answers to these and other questions using the behavioral approach to the study of politics. We will look at the major theories of political behavior, the effect of long-term social change on political behavior, the socialization process, and the media.

POLS 490. WI: Senior Seminar in Political Science (3-3-0)

Prerequisite: ENGL 223 with a C- or higher; senior standing, departmental major, and completion of all other core courses in political science.

Fall and Spring.

This seminar course is designed as a capstone academic experience in which each student is expected to demonstrate independent research skills, prepare and present a formal paper, and participate in the discussion and analysis of presentations by other members of the seminar. The formal paper should be a significant example of the student's academic credentials in terms of knowledge, skills, and abilities. In addition, each student will complete a standardized assessment relevant to the political science field. This course partially satisfies the writing intensive requirement.

POLS 491. Political Science Internship (3-0-8)

Prerequisite: POLS major and junior standing.

Part-time and full-time internships with government, military, for-profit, or non-profit organizations. Periodic conferences with the instructor, written paper assignments incorporating theory and practice applicable to the site location, field evaluations and a minimum of 120 hours at a field location in one semester are required for three credit hours. A maximum of six credit hours over a two semester period maybe counted toward a degree upon completion of 240 hours at a field location. Students are encouraged to secure an internship location, however, the class instructor will assist students in this process.

POLS 495. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. A maximum of nine credits may be counted toward a degree.

POLS 499. Independent Studies in Political Science (credits vary 1-3)

Prerequisite: Junior or senior standing, consent of instructor and Department Chair.

As needed.

The purpose of this course is to enable a qualified student to enrich his/her program through independent work. The topic and evaluation are agreed upon in writing by the student and faculty member supervising the effort. This should be completed by the end of pre-registration for the session in which the study will take place. A student should have a minimum overall GPA of 2.50. Copies of the study plan, attached to an independent study authorization form, must be filed with appropriate college offices. A student may take a maximum of three hours of independent study in a semester and a maximum of six hours in his/her total academic program.

PRE-LAW PROGRAM

Dr. Michelle Kundmueller, Pre-Law Advisor

McMurrin Hall 306

757-594-7881

michelle.kundmueller@cnu.edu

The nation's top law schools seek applicants who have pursued a well-rounded undergraduate education, one like the liberal arts and sciences curriculum Christopher Newport University offers. Therefore, like most colleges and universities, CNU does not offer a pre-law major. Rather, our liberal learning curriculum helps students from all majors prepare for application to law school. In addition to offering all the pre-requisite coursework, CNU offers a variety of resources, such as academic and career advising, mentoring, internship opportunities, workshops, and seminars to help any highly-motivated student gain admission to the law school of his or her choice.

Many of these resources are offered through the Pre-Law Program, which hosts a variety of events focused on preparing for law school, determining if law school is right for you, and crafting a strong law school application. Students who join the Pre-Law Program are also assigned an advisor who can answer individual questions. All students interested in law school are also encouraged to join Christopher Newport University's chapter of Phi Alpha Delta. Our chapter of this national, co-educational fraternity offers pre-law education and peer-to-peer support.

In addition, students with high levels of academic achievement and the motivation to prepare early should apply to the Pre-Law Scholars program. This program offers intensive mentoring to maximize law school preparation.

How to Get Started

1. Consult our web page, prelaw.cnu.edu, for details about upcoming Pre-Law Program events and to learn more about the Pre-Law Scholars Program.
2. Contact Dr. Michelle Kundmueller, michelle.kundmueller@cnu.edu, and ask to join the Pre-Law Program. You will be informed of all our events and, depending on your major, be given an advisor with whom you can discuss your plans. If you qualify, apply to the Pre-Law Scholars Program (qualifications and application procedure are explained at prelaw.cnu.edu).
3. Join and be an active member of Phi Alpha Delta, the pre-law fraternity. Membership is open to all Christopher Newport University students.

Suggested Courses

While no specific courses are required for law school admission, courses that require you to write extensively, think critically, and analyze information from multiple disciplines are helpful toward preparing for the rigors of law school. Both the constitutional studies concentration in the American studies major and/or the philosophy of law minor offer courses particularly relevant to such preparation.

Students who wish to have coursework that focuses on legal issues should consider taking some of the following courses:

AMST 120	Encounters with the Constitution
AMST 330	Treason in America
AMST 335	WI: Moot Court
AMST 350	Sex, Law, and Society
BUSN 351	Business Law I
COMM 305	The First Amendment, Culture, and Communication
HIST 342	American Environmental History
HIST 354	The American Revolution and Early Republic, 1775-1820
HONR 323	Civil Liberties in Wartime
HONR 350	Seminars in Formal and Informal Reasoning
PHIL 205*	The Anatomy of Thought
PHIL 321	WI: Legal Reasoning
PHIL 337	Radical Evil and the Philosophy of Law
POLS 240	The Supreme Court in American Politics
POLS 307	Civil Liberties
POLS 316	Constitutional Law
POLS 363	The Judicial Process

*Students preparing for the Law School Admission Test (LSAT) should consider taking PHIL 205 as part of their preparation.

PRE-MED AND PRE-HEALTH PROGRAM

Dr. Gwynne D. Brown, Director

Forbes Hall 3033

(757) 594-7782

gwynne.brown@cnu.edu

Medical schools and other professional health programs typically seek applicants with a well-rounded undergraduate education, such as that offered by CNU's liberal learning curriculum. Like most colleges and universities, CNU does not offer a *pre-med* or *pre-health* major. However, our program can help students from any academic major to prepare for admission into medical school and other health profession programs. In addition to offering all the necessary pre-requisite coursework, CNU offers a variety of resources, such as academic and career advising, mentoring, clinical internship opportunities, workshops and seminars. Our goal is to help any highly-motivated student gain admission into the professional school of her or his choice.

The Council for Health Professions Preparation

The Council for Health Professions Preparation (CHPP) consists of the Director of Pre-health Programs (DPP), several faculty members, administrators and local healthcare practitioners. The Council acts as a liaison between the pre-health student and the DPP, provides advice and guidance to the DPP with respect to the Pre-med & Pre-health Program, participates in the evaluation of all pre-med/pre-health students who request a *Committee Letter* for their application to a professional school or program, and establishes the criteria for student selection and continuation in all health-career related programs at CNU, such as the Pre-med Scholars Program (PSP), the Riverside Scholars Program, the B.S.-D.O. CNU-VCOM and the B.S.-M.D. CNU-EVMS Joint Programs.

How to Get Started

We suggest that you do the following as soon as you think you might be interested in the pre-medical or pre-health program at CNU:

1. Register on our pre-health database at interweb.cnu.edu/prehealth/registration;
2. Consult our web pages (prehealth.cnu.edu) for more detailed information about the Program, professional school requirements, curriculum guidelines, etc.;
3. Meet with the DPP.

What if I can't decide which career I want?

Don't panic! You have time to determine the career that's right for you. You should talk with someone in the Center for Career Development (CNH 305) or the DPP about the various health career possibilities available to you. It is also wise to experience various health careers first-hand by volunteering at hospitals, local clinics, doctors'

offices, and by shadowing practitioners in the various fields of interest to you.

Academically, a good start is CHEM 121/121L (unless you have not completed high school chemistry, or are fairly certain you will pursue physical therapy or occupational therapy and do not want a BS in biology, in which case you can take CHEM 103/103L). If you are a biology major, the first two years of your curriculum will take care of most of the pre-requisites for many health profession programs. If you are not a biology major, you will start with BIOL 211/211L, followed by BIOL 213/213L (you will need special permission to enroll in both, see the DPP).

SPECIAL OPPORTUNITIES

Pre-med Scholars Program (PSP)

The Pre-Med Scholars Program invites select students who meet specific criteria to participate in an enriched undergraduate experience that equips them to become strong candidates for the medical, physician assistant, dental or veterinary school of their choice. The Pre-Med Scholars Program offers:

- eligibility for the CNU-Eastern Virginia Medical School (EVMS) B.S.-M.D. Joint Program (early acceptance);
- eligibility for one of three opportunities with the Edward Via College of Osteopathic Medicine (VCOM) including Rocovich Scholars, early acceptance, and/or guaranteed early interview;
- eligibility for the Early Assurance Program for acceptance to EVMS' Physician Assistant Program;
- opportunities for pre-med scholarships (Riverside Medical Group Leadership Scholars);
- focused, individualized advising and mentoring;
- guaranteed clinical shadowing & service learning opportunities.

ODU School of Physical Therapy Guaranteed Admission Agreement

Old Dominion University (ODU) School of Physical Therapy and CNU have entered into an agreement whereby CNU applicants that meet certain criteria and are recommended by the DPP and CHPP will be guaranteed admission into the ODU Doctor of Physical Therapy (DPT) program. The student must complete all the requirements of admission including the academic and GRE requirements listed below, volunteer hours, three letters of recommendation, and the application provided to the DPP by ODU.

Requirements:

1. The student must complete all prerequisite PT courses at CNU with a minimum grade of *B* in all science courses, an overall science GPA of 3.50 or above, and graduate from CNU with a baccalaureate degree and a 3.50 cumulative GPA.
2. The science courses for this GPA will include: BIOL 211/211L, 213/213L, 314/314L - 315/315L; PHYS 151/151L-152/152L or PHYS 201/201L-202/202L; and CHEM 103/103L-104/104L or 121/121L-122/122L.
3. The student must complete the Graduate Record Examination, with scores of at least 150 each for the verbal and quantitative sections, and a writing score of at least 4.

ENTRANCE EXAMS AND APPLICATION SERVICES

Most medical and health profession schools use some form of the Centralized Application Service (CAS); cycles usually open in the spring or early summer preceding senior year. Deadlines for each school vary, so be sure to check each program's individual website. In addition, you should take your program's relevant entrance exam (MCAT, DAT, GRE, etc.) in a timely manner in order to complete the application packet early in the cycle.

SUGGESTED COURSE PLANS

Pre-requisite coursework must be completed at some minimal level determined by each particular program; grades below a *C* are generally not accepted and certain schools may require a *B-* or *higher*.

Students are ultimately responsible for determining specific course and admission requirements for any program to which they plan to apply.

Pre-Medicine

The *traditional* pre-med student will apply to medical school after his or her third year of study; it takes a minimum of three years to complete the pre-requisite coursework. Applications are submitted at least one year before intended matriculation. In addition to the pre-requisite coursework, the successful applicant will have completed a significant number of hours participating in clinical internships and shadowing in diverse medical settings. A successful candidate will have also accumulated a significant amount of volunteer work and other extracurricular activities.

Pre-requisites for applying to medical school vary among schools, however the following courses should be completed prior to taking the MCAT:

1. BIOL 211/211L, 213/213L (non-BIOL majors will need special permission to enroll in these courses; see the DPP);
2. CHEM 121/121L-122/122L (these courses should be completed as soon as possible);
3. CHEM 321/321L-322/322L;
4. PHYS 151/151L-152/152L or PHYS 201/201L-202/202L;

5. BCHM 414 and 415 for biochemistry majors, or BCHM 410 for non-biochemistry majors;
6. PSYC 201 and 202;
7. SOCL 205;
8. BIOL 307;
9. BIOL 313;
10. MATH 125.

Most medical schools require some form of English composition for two semesters; students not taking ENGL 123 and/or ENGL 223 should be aware of this. Students in the Honors Program do not have to take English since the 3xx Honors classes meet the English requirement. At the time of application, the registrar will send an "Honor's letter" with the student's transcript, which explains the demands of the Honors curriculum and subsequent completion of the English requirement through the Honors Program. In addition, **not all medical schools will recognize AP credit.** Additional pre-requisites, such as math or an additional science course may be required. Applicants must be sure to check the individual requirements of each medical school to which they plan to apply. Other beneficial courses include BIOL 301/301L, 314/314L-315/315L, 411, 412/412L, and MATH 140.

Pre-Pharmacy

Requirements for admission to pharmacy school vary among the different programs. It is critical for the prospective applicant to check the specific requirements for each program he/she intends to apply to. The pre-requisite coursework will take three years to complete. Applicants are expected to have acquired some experience in a pharmacy setting, and should be able to provide strong letters of recommendation from teachers, pharmacist(s), and others who can attest to the applicant's character and attributes.

Pre-requisites for applying to a typical pharmacy program:

1. BIOL 211/211L, 213/213L (non-BIOL majors will need special permission to enroll in these courses; see the DPP);
2. CHEM 121/121L-122/122L (these courses should be completed as soon as possible);
3. CHEM 321/321L-322/322L;
4. PHYS 151/151L-152/152L or PHYS 201/201L-202/202L;
5. BIOL 314/314L-315/315L, 301/301L;
6. BCHM 410 or 414;
7. MATH 125, 135 or 140 or 148;
8. COMM 201;
9. Economics is required by some schools.
10. The following courses are recommended, but not always required: BIOL 307, 313, 411 or 412.

Pre-Dentistry

Requirements for admission into dental school vary among the different programs. It is critical for the prospective applicant to check the specific requirements for each program he/she intends to apply to. The pre-requisite coursework will take three years to complete. Applicants are expected to have had some experience in dental settings, and should be able to provide strong letters of recommendation from teachers, dentist(s), and others who can attest to the applicant's character and attributes. Evidence of good manual dexterity is an asset.

Pre-requisites for applying to a typical dental program

1. BIOL 211/211L, 213/213L (non-BIOL majors will need special permission to enroll in these courses; see the DPP);
2. CHEM 121/121L-122/122L (these courses should be completed as soon as possible);
3. CHEM 321/321L-322/322L;
4. PHYS 151/151L-152/152L or PHYS 201/201L-202/202L;
5. BCHM 410 or 414.
6. The following courses are strongly recommended, but not always required: BIOL 301/301L, 307, 313 and 314/314L-315/315L, 411, 412/412L.

Pre-Physical Therapy

Most physical therapy programs require only two semesters of chemistry. This can be satisfied with CHEM 103/103L-104/104L. If you are not certain which medical field you will ultimately pursue, or to be eligible for any program, you might consider the two year chemistry sequence, CHEM 121/121L-122/122L and 321/321L-322/322L. In addition to the pre-requisite courses, applicants must have accumulated a significant number of hours of physical therapy experience, including some in acute-care settings. Many programs, such as Old Dominion University, do not interview applicants and base their decision solely on the application (including essays/personal statements) and letters of reference.

There are significant differences in the prerequisites required among different **physical therapy schools**. Students must check the prerequisites for each physical therapy program. A *typical* physical therapy program requires:

1. BIOL 211/211L, 213/213L, BIOL 314/314L-315/315L; (non-BIOL majors will need special permission to enroll in the introductory biology courses; see the DPP);
2. CHEM 121/121L-122/122L, if chemistry major or obtaining a B.S. in biology; OR
3. CHEM 103/103L-104/104L for other majors or if obtaining a B.A. in biology;
4. PHYS 151/151L-152/152L or PHYS 201/201L-202/202L (major dependent);
5. MATH 125;

6. Two psychology courses (6 hours); certain schools accept 3 of those hours from other social science courses.

Pre-Occupational Therapy

Occupational therapy schools accept applicants from diverse academic backgrounds. Although chemistry is not typically listed as a pre-requisite for occupational therapy school, students must be enrolled in or have completed one of the introductory chemistry sequences in order to enroll in the introductory biology courses. This can be satisfied with CHEM 103/L - 104/L, or CHEM 121/L - 122/L. In addition to the pre-requisite coursework, most programs require applicants to have a certain number of hours of occupational therapy experience. Since the occupational therapy has such a broad scope of practice, it is desirable for applicants to have experiences in multiple settings.

There are significant differences in the prerequisites required among different occupational therapy schools. Students must check the prerequisites for each program. A *typical* program requires:

1. BIOL 211/211L, 213/213L, BIOL 314/314L-315/315L; (non-BIOL majors will need special permission to enroll in these courses; see the DPP);
2. ANTH 203;
3. PSYC 207 and PSYC 315 (PSYC 201 and 202 are pre requisites for PSYC 315);
4. PHYS 151/151L-152/152L or PHYS 201/201L-202/202L (major dependent);
5. MATH 125;
6. BIOL 271;
7. Additional anthropology, sociology or psychology classes as required.

Pre-Physician's Assistant

The typical Physician's Assistant program lasts approximately 28 - 30 months and leads to a Masters in Physician Assistant Studies. Admission to a P.A. program is similar to that for other health careers, in that it is based on overall academic performance, performance in pre-requisite courses, personal statements, and letters of recommendation, including one from practicing P.A. In addition, most programs require a significant number of patient contact hours, therefore many students volunteer as Emergency Medical Technicians (EMT-B) or become Certified Nursing Assistants (CNA).

Pre-requisites for applying to a typical physician assistant program vary, therefore the list below is a guide only:

1. BIOL 211/211L, 213/213L (non-BIOL majors will need special permission to enroll in these courses; see the DPP);
2. CHEM 121/121L-122/122L;
3. CHEM 321/321L-322/322L (many PA schools only)

require one semester of organic chemistry and some schools allow students to substitute Biochemistry for Organic Chemistry, however, at CNU Organic Chemistry is a pre-requisite for Biochemistry);

4. BIOL 301/301L, (BIOL 307 may serve as an alternative); BCHM 410 or 414;
5. BIOL 314/314L-315/315L;
6. PSYC 207 and PSYC 315 (PSYC 201 and 202 are pre requisites for PSYC 315);
7. MATH 125.
8. The following courses are strongly recommended (required by some programs): BIOL 271, 313.

Pre-Veterinary Medicine

Because there are relatively few Veterinary Medicine Schools in the U.S., criteria for admission is very competitive, despite the looming shortage of practicing veterinarians. A strong GRE score is important in addition to a solid academic performance. Many hours of experience with animals is paramount; admissions committees look for confidence and competence in animal handling skills. Exposure to a variety of animal groups (small, large and exotic) is also important. At least one letter of recommendation from a practicing veterinarian is required.

Pre-requisites for applying to a typical veterinary medicine program:

1. BIOL 211/211L, 213/213L (non-BIOL majors will need special permission to enroll in these courses; see the DPP);
2. CHEM 121/121L-122/122L (these courses should be completed as soon as possible);
3. CHEM 321/321L- 322/322L;
4. PHYS 151/151L-152/152L or PHYS 201/201L-202/202L;
5. BCHM 410 or 414;
6. MATH (6 credits in either algebra, trigonometry, calculus and/or statistics).
7. Six credit hours in English are often required. (Students in the Honors Program do not have to take English since the 3xx Honors classes meet the English requirement. At the time of application, the registrar will send an "Honor's letter" with the student's transcript, which explains the demands of the Honors curriculum and subsequent completion of the English requirement through the Honors program.)
8. The following courses are strongly recommended, but not required: BIOL 301/301L, 307/307L, 313, 409/409L, and 420/420L.

Health Professions not Listed

Consult with the Center for Career Development (CNH 305) or the DPP. Various websites also provide valuable information (such as Explore Health Careers: explorehealthcareers.org).

COMMITTEE EVALUATION AND LETTER

Qualified students may request an evaluation and Committee Letter from the CHPP. A Committee Letter is usually favored by admissions committees when evaluating applicants, and is a composite of the committee's evaluation of the applicant as well as those of individual referrers.

To request a committee letter from the Council for Health Professions Preparation (CHPP), you will need to:

1. Upload and submit 4 documents (resume or cv, transcript, personal statement, and a list of references) to the CHPP Evaluation Request Job Posting on CNU Career Connect by the required date;
2. Secure 3 - 5 confidential letters of recommendation submitted electronically to the DPP;
3. Satisfy the pre-requisites for admission;
4. Meet with the DPP;
5. Be in good academic standing and show progress in pre-requisite courses for chosen profession.

The Committee will select one of the following levels of evaluation:

- Truly exceptional: in the top 5 percent
- Exceptional: 6 to 15 percent
- Outstanding: 16 to 25 percent above
- Above average: 26 to 40 percent
- Average: 41 to 60 percent
- Recommend with reservation: below 60 percent
- Not able to recommend: student doesn't meet criteria

The student will be notified of the CHPP's *level* of evaluation, and will confirm, in writing, that he/she would still like to have the letter sent. The student may request that the DPP not send the letter.

PRE-MED SCHOLARS PROGRAM

The Pre-med Scholars Program (PSP) provides specially selected students with an enriched undergraduate experience that will facilitate their matriculation to the medical, physician assistant, dental or veterinary school of their choice. Through a combination of intensive advising and mentoring, seminars and workshops, and structured clinical and service-learning experiences, the program provides the student with all of the opportunities needed to become a strong candidate for admission to the school of their choice.

The Pre-med Scholars Program is administered by the DPP under the guidance of the Council for Health Professions Preparation as part of the Pre-med and Pre-health Program.

Benefits of the Program

In addition to a rigorous academic program that ensures meeting professional graduate school pre-requisites, PSP students are eligible for the CNU-EVMS B.S.-M.D. Joint Program, VCOM early admission agreements, EVMS PA Early Assurance Program, opportunities for pre-med scholarships, receive focused, individualized advising from the DPP and mentoring by physicians. PSP students are also guaranteed clinical shadowing and service learning opportunities.

Entering the Program

Admission to the Program is open to any entering freshman with an SAT (critical reading & math) score \geq 1250 on the old SAT or a combined 1310 on the new SAT (or ACT \geq 28) who is interested in a career in medicine, dentistry or veterinary medicine. Interested students should contact the DPP after acceptance to the University.

Continuing CNU students with between 30-60 credit hours who have completed CHEM 121/121L and 122/122L, have an overall and science GPA \geq 3.50, and have an interest in applying to medical, physician assistant, dental or veterinary school may also apply to the program by contacting the DPP.

Program Requirements

In addition to completing the general academic requirements and specific degree requirements for the academic major of their choosing, all PSP students must:

- maintain an overall and science GPA of not less than 3.40;
- successfully complete the PMED Activities course each semester;
- complete the required coursework for application to medical, physician assistant, dental or veterinary school in a timely manner.

Students successfully completing the PSP will receive special letters of recommendation from the CHPP.

CNU-EVMS B.S.-M.D. Joint Program and Early Acceptance Program with VCOM

In order to facilitate qualified CNU students' entry into medical school and enrich their undergraduate experience, CNU had reached separate agreements between Eastern Virginia Medical School (EVMS) and the Edward Via College of Osteopathic Medicine (VCOM). Selected students may receive early acceptance in one of the aforementioned medical schools upon satisfactory completion of their undergraduate degree program and continued high academic achievement.

Students apply for early acceptance in the spring of their sophomore year by completing the appropriate application form for each school and submitting it to

the DPP. The CHPP will review the applications and select students for an interview. CHPP then submits the nominees to EVMS and/or VCOM. All further selection processes (invitation for on-campus interviews and offers of provisional acceptance) are conducted by the individual medical schools. Students accepted early to VCOM who have greater than a 3.7 GPA do not have to take the MCAT. Students accepted early to EVMS must earn \geq 503 on the MCAT to guarantee admission.

Academic Program Criteria for Program Applicants

1. College Sophomore in good standing at CNU;
2. Scholastic Aptitude Test (critical reading & math) \geq 1250 on the old SAT or a combined 1310 on the new SAT or an ACT \geq 28;
3. An overall and science GPA from CNU of 3.40 at the time of application;
4. Grades of at least a *B* in CHEM 121/121L-122/122L and in the first semester of CHEM 321/321L.

The successful applicant will also demonstrate an active interest in medicine and participate in extracurricular activities.

Students in PSP not admitted during the early admission process to VCOM are guaranteed an early interview during the spring of their junior year. Students requesting an early interview to VCOM must be in good standing in PSP.

Rocovich Scholars

The Rocovich Scholars Program is for students meeting one of the following criteria: 1) reside in a rural or medically underrepresented area in Virginia or the nearby Appalachian region; 2) come from a low socioeconomic background; or 3) is a member of an under-represented minority. The applicants must also have SAT scores at or above 1100 (critical reading and math) on the old SAT or a combined 1170 on the new SAT and a high school GPA of 3.5 or higher. While at CNU, Rocovich Scholars must maintain a GPA of 3.4, continue as a Pre-med Scholar and participate in the President's Leadership Program (PLP).

EVMS Master of Physician Assistant Early Assurance Program

Eastern Virginia Medical School and CNU have entered into an agreement whereby CNU applicants that meet certain criteria and are recommended by the DPP and CHPP are eligible for early assurance into EVMS's Master of Physician Assistant (MPA) program. To be eligible to apply through the Early Assurance Program, a student must meet the following criteria:

1. Be enrolled at CNU since your freshman year of college (transfer students are ineligible for this program);
2. Be in your junior year. (Applicants show have no more than one additional academic year to complete at the time of their interview.);
3. Meet all institutional and degree requirements to

- continue as a student in good standing;
4. Have no academic or conduct code violations;
 5. Be a U.S. Citizen or Permanent Resident;
 6. Maintain an overall GPA of 3.4 or higher and be enrolled in Pre-med Scholars at the time of the application process;
 7. Be able to accumulate 5000 hours of patient care experience before acceptance into the program;
 8. Have satisfactorily completed at least 7 of the 8 pre-requisite courses with at least a B- by the time of the application:
 - Anatomy & Physiology I (BIOL 314/314L)
 - Anatomy & Physiology II (BIOL 315/315L)
 - General or Introductory Chemistry (CHEM 121/121L or CHEM 122/122L)
 - Organic Chemistry or Biochemistry (CHEM 321/321L or 322/322L or BCHM 410 or 414)
 - Microbiology (BIOL 301/301L)
 - Introductory Psychology (PSYC 201 or 202)
 - Upper Level Psychology (PSYC 207)
 - College Math, Statistics, or Physics (MATH 125 or 130 or PHYS 151/151L or 152/152L)

Riverside Medical Group (RMG) Scholars

Each year, two incoming freshmen interested in pursuing a career as a physician are selected to receive a \$2500 scholarship from the Riverside Medical Group*. Upon successful completion of their freshman year with at least a 3.70 GPA, these students will then receive \$5000/year if they maintain a 3.50 GPA and remain in good standing in PSP. One to three additional students will be selected from among the current PSP participants to receive a \$5000/year scholarship. Upperclassmen must maintain a 3.50 GPA and remain in good standing in the PSP to maintain their scholarships. In addition to full participation in the PSP, RMG scholars shadow at Riverside Medical Center up to four times per semester and will be offered a paid internship with Riverside Health Systems for one summer following their sophomore year.

*To be eligible for a RMG scholarship, applicants must have a minimum SAT score of 1250 on the old critical reading and math SAT, a 1310 on the new SAT, or a 28 on the ACT.

THE CURRICULUM IN PRE-MED

PMED 010. PSP Activities I (0-0-1)

Restricted to freshman PSP students.

Fall and Spring.

Participation in a number of requirements for the Pre-med Scholars Program, including: participation in regularly scheduled seminars, completion of monthly clinical blocks (approximately 4 hours each), as well as completion of an approved service learning activity. **This course is graded pass/fail. May be repeated once.**

PMED 020. PSP Activities II (0-0-1)

Restricted to sophomore PSP students.

Fall and Spring.

Participation in a number of requirements for the Pre-med Scholars Program, including: participation in regularly scheduled seminars, completion of monthly clinical blocks (approximately 4 hours each), or an alternate clinical experience approved by the DPP as well as completion of an approved service learning activity. **This course is graded pass/fail. May be repeated once.**

PMED 030. PSP Activities III (0-0-1)

Prerequisite: PMED 020, junior standing.

Fall and Spring.

Participation in a number of requirements for the Pre-med Scholars Program, including: participation in regularly scheduled seminars, completion of monthly clinical blocks (approximately 4 hours each) or an alternate clinical experience approved by the DPP, as well as completion of an approved service learning activity. **This course is graded pass/fail. May be repeated once.**

PMED 040. PSP Activities IV (0-0-1)

Prerequisite: PMED 030, senior standing.

Fall and Spring.

Participation in a number of requirements for the Pre-med Scholars Program, including: participation in regularly scheduled seminars, completion of monthly clinical blocks (approximately 4 hours each) or an alternate clinical experience approved by the DPP, as well as completion of an approved service learning activity. **This course is graded pass/fail. May be repeated once.**

PRESIDENT'S LEADERSHIP PROGRAM

Brian Larson, Associate Dean of Students for Leadership and Student Development
David Student Union, Student Affairs Suite
(757) 594-7207
preslead@cnu.edu

The **President's Leadership Program** is designed for students who are interested in exploring and developing their potential for leadership. Individuals accepted into the program experience a focused curriculum of courses, personal and leadership development experiences, service learning, internships, as well as the opportunity for international study and travel – all designed to supplement the major of each student's choice. For additional information go to presidentsleadership.cnu.edu.

Program goals

As a program we expect each PLP graduate will develop the capacity for:

- Active and engaged citizenship that fosters positive change and enhances community
- Enriched character and integrity developed through accountability, cultivation of meaningful relationships, and strong work ethic
- Effective leadership with the ability to synthesize self-exploration, critical reflection and leadership theory within an ever-changing global society

Program objectives

Understanding leadership relationships, processes, and competencies is essential to success, not only in university life, but also in private, public, and community sectors. The President's Leadership Program offers opportunities for students to:

- Study and apply leadership theory and principles
- Understand the responsibilities and commitments for ethical leadership and purposeful change
- Develop self understanding and self leadership
- Broaden and deepen world perspectives
- Strengthen oral and written communication
- Strengthen interpersonal competencies
- Develop the ability to enlist others in a common purpose
- Strengthen personal and organizational responsibility
- Develop an orientation toward positive risktaking
- Develop the ability to manage and resolve conflict
- Develop a strong work ethic and high standards of excellence

Community Service

Students in the President's Leadership Program must complete a minimum of 100 hours of service under the supervision or approval of the President's Leadership Program staff. Service develops students' self efficacy, engages them in the practice of servant leadership, exposes them to social problems and empowers them to become part of the solution. Students may volunteer in a vast array of service organizations in the Newport News area or in program-sponsored group service projects, such as building a Habitat for Humanity House, conducting a middle school leadership program, coaching community athletic teams or visiting local retirement communities.

Internships

Having become acquainted with leadership theory, process, and practice through the President's Leadership Program curriculum, each student will enhance his or her leadership competencies through supervised internships in business, government, and nonprofit organizations. By developing and improving leadership qualities in a sustained program of courses, mentoring, public service, and internships, the President's Leadership Program provides students with the academic and experiential foundation needed to succeed in academic studies, professional careers, and in their personal lives.

Eligibility

Students apply to the leadership program during their senior year in high school through an application process in conjunction with the CNU Admission process. At the end of the each academic semester, students are reviewed for program continuation in accordance with the standards outlined in the PLP student contract. Students accepted into the program are required to live on campus. Applications are available on the web at presidentsleadership.cnu.edu. This program is separate from the Honors Program and the leadership studies minor.

Scholarships

Students selected for the President's Leadership Program receive a \$500, \$2500, or \$5000 scholarship (depending on the award) each semester that will be applied to the student's account over four years at CNU. This scholarship is renewed each semester if the student lives on campus and meets requirements as outlined in the PLP Student Contract.

Study Abroad

Students are encouraged to apply for a study abroad scholarship up to \$2000 (depending on various criteria). A select group of incoming students designated as Presidential Scholars will be awarded a scholarship to participate in a special study abroad program at Oxford University in Oxford, England during the summer following their second year. These special awards will be given to top academic candidates who meet requirements as outlined in the PLP Student Contract.

Optional: International Study - Study abroad through a CNU-sponsored summer course or spend a semester abroad through a University approved exchange program.

President's Leadership Speaker Series

Christopher Newport University students have opportunities to hear leadership perspectives from an array of leaders from the public and private sectors. These leaders share insights on and responses to today's leadership challenges through formal presentations and student interaction. Presentations are open to all CNU students and members of the CNU community.

Student Life in the President's Leadership Program

The President's Leadership Program is more than an opportunity to develop personally and academically. The PLP community is also the foundation for lifelong relationships. Beginning with the Summer Leadership Adventure Program, PLP first-year students bond with each other, the PLP staff, and upper class facilitators.

President's Leadership Program RequirementsMinor in Leadership Studies

(See separate listing)

First Year:

Fall: LDSP 210*

Spring: LDSP 240*

Fall and Spring: Speaker series, community service, personal and leadership development experiences, campus involvement.

* A grade of (C) or better is required to maintain membership in good standing.

Second and Third Years:

LDSP 320, to be taken during the second or third year.

Two leadership electives (electives may also be taken during the fourth year).

Fall and Spring: Personal and leadership development experiences, speaker series, coursework in the minor, community service, campus involvement.

Fourth Year:

Fall or Spring: LDSP 386; finish taking leadership electives.

Fall and Spring: Speaker series, community service, campus involvement.

DEPARTMENT OF PSYCHOLOGY

Dr. Tim Marshall, Chair

Forbes Hall 2022

(757) 594-7994

tmarshall@cnu.edu

Faculty

Professor: Cartwright, Doolittle, S. Greenlee, Guajardo

Associate Professor: Antaramian, Berry, Catanzaro, Dow, Gibbons, Hart, S. Lee, T. Marshall, Velkey

Assistant Professor: Campolattaro, Lipatova, Rollins, Stone

Lecturer: Clark, Hunter, Niehaus, Pressley

Emeriti: Bauer, Herrmann, Lopater

Mission Statement

The mission of the Department of Psychology is to pursue excellence in teaching, scholarship, and service. As professors, we are committed to providing students with knowledge and practice in the science of psychology, the ability to engage in disciplined and systematic inquiry, and the skills to think, act, and communicate rationally, critically, creatively, and ethically. As scholars, we are engaged in research that contributes to the field of psychology, informs our teaching and pedagogy, and mentors our students into independent and thoughtful scholars. As citizens of the Department of Psychology, we aspire to provide service and leadership to our university, civic, and professional communities. As a result of our teaching, scholarship, and service activities, we prepare students to be leaders in their communities and thoughtful citizens who will live lives of consequence and significance.

The Program

The Department of Psychology offers both Bachelor of Arts and Bachelor of Science degrees. The Psychology Department requires each undergraduate major, through a rigorous and well-planned curriculum, to study and master the literature and methods of psychology. Curricular emphases are on fundamental conceptual knowledge, methods of psychological science, practical applications of both knowledge and skills, and theoretical considerations. The psychology curriculum requires courses at elementary, intermediate and advanced levels, including courses with laboratory components. Options such as practica, seminars, individual faculty mentored research opportunities, and team research projects are available to majors. The curriculum also offers a wide range of course offerings covering the breadth of modern psychological science.

The psychology curriculum provides excellent preparation for students who wish to pursue graduate study. Others find careers as advisors, counselors, case managers, volunteer services managers, research lab managers, mental health care workers, program managers, child care workers, social

services workers, administrative assistants, customer services representatives, human resources officers, personnel officers, job analysts, marketing researchers, public relations representatives, research analysts, staff training specialists, and a variety of other career options. The psychology curriculum also provides a strong foundation for students who wish to become elementary teachers.

The Bachelor of Arts and Bachelor of Science degrees in Psychology

Students who wish to major in psychology must declare the major by submitting a *Declaration of Major* form to the Office of the Registrar. Majors will also be required to complete a comprehensive exit examination of psychological knowledge as part of the department's assessment procedure. Students will be assigned a faculty advisor by the Registrar's office. Students are urged to consult their assigned advisor regularly.

Students seeking a degree in psychology must:

- successfully complete the liberal learning core;
- complete MATH 125 and a minimum of 36 credits toward the psychology major (19 specified course credits in psychology and 17 elective credits in psychology);
- present no more than one psychology course to simultaneously satisfy the psychology major and the liberal learning core requirements;
- complete a standardized comprehensive exit examination of psychological knowledge.

Electives should be chosen in consultation with an academic advisor. Students pursuing a degree in psychology should successfully complete MATH 125, PSYC 201, 202, 300, 301W, 301L and 306 as early in their programs as feasible but in no case later than the completion of the first 90 hours of the degree. Course pre-requisites must be satisfied.

The psychology major has a restricted prerequisite structure. Thus, it is recommended that students take their major courses in the following order:

- First Year: PSYC 201, 202, MATH 125.
- Second Year: PSYC 300, 306, PSYC 3XX elective.
- Third Year: PSYC 301W/301L, PSYC 3XX, PSYC 3XX or 4XX elective.
- Fourth Year: PSYC 4XX/4XXL, PSYC 4YY/4YYL, PSYC 490W.

Psychology majors must earn a grade of C- or higher in MATH 125, PSYC 201, 202, 300, 301W, 301L and 306. Before students can enroll in PSYC 300 they must earn a grade of C- or higher in PSYC 201 and MATH 125. Before majors can enroll in PSYC 301W they must earn a grade of C- or higher in the introductory courses and in PSYC 300. Students may not enroll in 400 level lab courses until they successfully complete PSYC 301W with a grade of C- or higher and students may not enroll in PSYC 490W until they successfully complete PSYC 301W and PSYC 306 with a grade of C- or higher.

The Bachelor of Arts degree in Psychology

In addition to successful completion of the liberal learning curriculum, the bachelor of arts in psychology requires successful completion of the following courses:

1. MATH 125;
2. PSYC 201, 202;
3. PSYC 300;
4. PSYC 301W/301L;
5. PSYC 306;
6. Selection of two additional 300-level courses;
7. Selection of two additional 400-level courses with corequisite labs;
8. One PSYC 3 credit elective at the 300- or 400- level;
9. PSYC 490W.

The Bachelor of Science degree in Psychology

In addition to successful completion of the liberal learning curriculum, the bachelor of science in psychology requires successful completion of the following courses:

1. MATH 125;
2. PSYC 201, 202;
3. PSYC 300;
4. PSYC 301W/301L;
5. PSYC 306;
6. Selection of two additional 300-level courses;
7. Selection of two additional 400-level courses with corequisite labs;
8. One PSYC 3 credit elective at the 300- or 400- level;
9. PSYC 490W.
10. One sequence from the following list to satisfy the *University Bachelor of Science Degree Requirement*. No more than three lecture courses may be taken from the same discipline, and no more than two laboratory courses may be taken from the same discipline to satisfy the *University Bachelor of Science Degree Requirement* and the *Investigating the Natural World Area of Inquiry*.

BIOL 107, 108, 109L
 BIOL 211/211L-212/212L
 BIOL 211/211L-213/213L
 CHEM 103/103L - 104/104L
 CHEM 121/121L - 122/122L
 PHYS 151/151L - 152/152L
 PHYS 201/201L - 202/202L

The Minor in Psychology (18 credits)

Eighteen credit hours (minimum) constitute the minor, which must include PSYC 201 and 202. Nine of the remaining 12 credits must be at the 300- or 400-level. All prerequisites must be met for courses taken for the minor. A psychology minor is particularly appropriate for business, sociology, social work, government, public administration, pre-med, pre-law and neuroscience.

Psychology Major Requirements for Teacher Preparation

For those students who wish to become elementary teachers, CNU has a program leading to a bachelor's degree in psychology and the M.A.T. (Master of Arts in Teaching). This program also includes teacher licensure. Students wishing to teach psychology at the secondary level must complete teacher preparation requirements in History and Social Science. Application to the program must be made in spring of the junior year. See the *Graduate Catalog* for application instructions and requirements. Because course sequencing is critical to success, interested students should talk to an advisor about their interest in the five-year program early. For information about admission to the five-year program and program requirements, consult the *Graduate Catalog* or your department advisor.

Students will earn a **B.A. or B.S. in psychology** after the first four years and then complete an additional year of study leading to an M.A.T. degree. The courses and degree requirements for the M.A.T. are found in the graduate catalog. Students accepted into this program must complete the following track for graduation with the bachelor's degree:

Elementary level (PK-6) Track

Major courses required:

See major requirements for a B.A. or B.S. in Psychology.

Support courses required:

- ENGL 123, 223; 310 or 430, and 316;
- COMM 201 or THEA 230;
- CPSC 110;
- MATH 109, 125;
- HIST 111, 121, 122;
- POLS 101;
- GEOG 210;
- PSYC 208, 312;
- SOCL 314/314L;
- BIOL 107 or 108; CHEM 103; PHYS 141; PHYS 105L or BIOL 109L;
- NSCI 310.

* Support courses may change based on regulations from the Virginia Department of Education.

Graduate courses* required (senior year):

Select six credits from a), b), or c):

- a) MATH 570;
- b) PSYC/TCHG 544;
- c) MLAN 511, ENGL 530.

*See the graduate catalog for course descriptions.

THE CURRICULUM IN PSYCHOLOGY

PSYC 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

PSYC 201. Investigating the Biological Bases of Behavior and Cognition (3-3-0) AINW

This course covers basic principles of scientific psychology, including coverage of history and systems of psychology (the historical development and progression of scientific theories in psychology), the scientific method, and research methods. Additionally, this course includes coverage of biological bases of behavior (brain and nervous system structure, function, and effects on individual behavior and mental processes), sensation and perception (anatomy and function of sensory systems such as the visual system), learning and memory, intelligence, and cognition. Each of these topics will be discussed with respect to the application of the scientific method to the study of each topic and research findings relevant to contemporary understanding of human behavior and mental processes.

PSYC 202. Investigating the Social Context of Behavior and Cognition (3-3-0)

This course provides an overview of the social science side of psychology, concentrating on the history and systems of psychology, research methods, human growth and behavior, motivation, emotions, stress & health, personality, psychological disorders, therapy, social psychology, and industrial/organizational psychology. These topics are discussed in the contexts of social, cultural and psychological influences on human behavior and mental processes. Such influences may include (but are not limited to) heredity, neurological influences, and institutions such as the family, workforce, society, and culture. Students will develop a foundation for understanding psychology and will be introduced to a variety of disciplines within psychology.

PSYC 207. Lifespan Development (3-3-0)

This course offers a study of human development through the lifespan, including cognitive, physical, social and emotional processes. The course will focus on similarities and differences in development from conception to death and examine influences on individual development including social, familial, cultural, and biological influences.

PSYC 208. Child Development (3-3-0)

Required for students in the Teacher Preparation Program. This course will focus on the biological, cognitive, linguistic, social, and emotional factors influencing the normal growth and development of the child from conception through adolescence. The course will focus on theories and research in child development as well as everyday applications of those theories and research.

PSYC 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

PSYC 299. Field Research in Psychology (credits vary 1-3)

Prerequisite: Psychology major, consent of instructor and Department Chair.

This course is designed to allow the first or second year psychology student the opportunity to enrich his or her program of study by pursuing research work in psychology. Students who take this course will most often be working with a psychology professor on his or her research. The responsibilities of the student, time lines, and criteria for evaluation are agreed upon in writing by the student and supervising professor. Copies of the agreement must be filed with the department chair before the end of the drop/add period in the semester in which the field study will occur. A maximum of 6 hours of field research may be counted toward the degree.

PSYC 300. Statistical Applications in Social Science Research (3-3-0)

Prerequisite: PSYC 201 with a grade of C- or higher and completion of MATH 125 or an equivalent statistics course with a grade of C- or higher.

Students who take this course will gain the ability to analyze a research situation so that the proper statistical procedures can be selected and applied to the data by understanding the basic theory that underlies those procedures. Students will also gain the confidence and skill to perform the necessary statistical calculations to complete those procedures, using both manual and computer techniques where appropriate. Finally, students will learn to interpret the results of the calculations in terms of the data or problem at hand.

PSYC 301. WI: Research Methods in Psychological Science (3-3-0)

Prerequisite: ENGL 223 with a C- or higher and PSYC 201, 202, 300 each with a grade of C- or higher.

Corequisite: PSYC 301L.

An introduction to empirical research in psychological science. Topics covered will include the scientific method, research ethics with humans and animals, variables, sampling issues, reliability and validity, research methods and designs, and finding and evaluating psychological research literature. Students will use American Psychological Association format for writing empirical research reports. Laboratory activities in selected areas will be conducted. This course partially satisfies the writing intensive requirement.

PSYC 301L. Research Methods in Psychological Science Laboratory (1-0-3)

Corequisite: PSYC 301W.

Lab fees apply each term.

PSYC 303. Industrial and Organizational Psychology (3-3-0)

Prerequisite: MATH 125 and PSYC 201 or 202.

An overview of the field of industrial/organizational psychology based on the application of psychological research and theory to understanding and predicting behavior in organizational settings. This course provides an examination of the dynamics of job motivation, organizational leadership, decision-making, group functioning, power relationships, personnel selection, training, performance measurement and appraisal, and other related topics.

PSYC 304. Social Psychology (3-3-0)

[same as SOCL 306]

Prerequisite: PSYC 201, 202.

An examination of the nature and causes of individual behavior in social situations. The focus of the course is on social thinking and beliefs, attitudes and behavior, social influence processes, and both positive and negative social interactions.

PSYC 305. Psychology of Learning (3-3-0)

Prerequisite: PSYC 201, 202 or NEUR 201.

A study of the principles and theories of human and animal learning, with consideration also given to methods of investigation and recent theories of various learning phenomena.

PSYC 306. History and Systems of Psychology (3-3-0)

Prerequisite: PSYC 201, 202. To be completed by the end of the junior year.

This course will present the philosophical, medical, physiological and anthropological antecedents of psychological science. Additionally, the pertinence of scientific inquiry to psychology will be given special emphasis. The history and distinguishing characteristics of the major systems in psychology or "schools of thought" will be presented. Varieties of contemporary psychological theory will be discussed in terms of the individuals who have been instrumental in developing them; newer aspects of these theories will be presented in light of their historical development.

PSYC 309. Adolescent Development (3-3-0)

Prerequisite: PSYC 201 or 202, and sophomore standing.

This course will focus on the biological, cognitive, social, and emotional factors influencing the normal growth and development of individuals in adolescence (from puberty to young adulthood). The course will focus on theories, research, and problems in the process of adolescent development as well as everyday applications of theories and research.

PSYC 312. Educational Psychology (3-3-0)

Prerequisite: PSYC 201, 202 (or 207 or 208).

Required for students in the Teacher Preparation Program. This course focuses on the application of psychological facts, principles, and methods to learning in the classroom. This includes developing skills in the evaluation of student performance as an aid to learning and teaching.

PSYC 313. Human Relations in Organizations (3-3-0)

Prerequisite: PSYC 201, 202.

An experiential approach to team effectiveness, focusing on leadership, decision-making, communication, problem solving, conflict-resolution, creativity, and other issues faced by task-oriented groups in organizations. Class attendance is mandatory.

PSYC 314. Psychology of Personality (3-3-0)

Prerequisite: PSYC 201, 202.

An examination of historical and contemporary psychological theories relating to the development, functioning, and modification of personality. A comparative approach is used focusing upon the different perspectives of psychoanalysis, behaviorism, and humanistic psychology.

PSYC 315. Psychology of Abnormal Behavior (3-3-0)

Prerequisite: PSYC 201, 202.

A survey of behavior pathology emphasizing anxiety, mood, somatoform, eating, gender and substance disorders, as well as disorders related to childhood. Diagnostic criteria, etiology and treatment of each disorder is presented. This class relies heavily on film as a tool for exploring the experience of mental illness, as well as societal attitudes toward psychological disorders and treatment.

PSYC 316. Brain and Cognition (3-3-0)

[Same as NEUR 316]

Prerequisite: PSYC 201 and 202; or NEUR 201.

This course examines behavioral and neuroscience research on human cognitive processes including perception, attention, memory, language, emotion, decision making, and executive functioning. In this course, the students will learn about the empirical methods, theoretical models, as well as classic and current research used to study various topics within the field. In addition, it is expected that students will be able to identify how these cognitive processes are applicable to the situations we encounter in our everyday lives.

PSYC 320. Psychology of Gender (3-3-0)

Prerequisite: PSYC 201, 202.

This course introduces students to psychological research on the experiences, behaviors, and abilities of men and women. A comparative approach is used to examine historical, contemporary, and cultural differences in men and women. Topics include gender differences and similarities in mental abilities, personality, social behavior, mental health issues, and experiences of men and women in the workplace.

PSYC 327. Theories and Principles of Child Development (3-3-0)

Prerequisite: PSYC 201, 202.

This course is designed to provide students with a foundation in the theories and principles of the science of developmental psychology. The course emphasizes developmental changes, the influence of contexts on development, theories that help

us explain development, and theoretical applications. In particular, the course focuses on ways in which biological and environmental factors interact to produce individuals' outcomes.

PSYC 333. Personnel Psychology (3-3-0)

Prerequisite: PSYC 201, 202, MATH 125 or BUSN 331.

Presents the application of psychological research, theory, and methods to developing, implementing, and assessing personnel techniques and human resource functions such as job analysis, selection procedures, and performance appraisal.

PSYC 340. Adult Development and Aging (3-3-0)

Prerequisite: PSYC 201 or 202, and sophomore standing.

This course will focus on the biological, cognitive, social, and emotional factors influencing the normal growth and development of individuals in adulthood (from young adulthood to the end of the life cycle). The course will focus on theories, research, and problems in the process of adult development and aging as well as everyday applications of theories and research.

PSYC 347. Psychology Seminar Abroad (3-3-0)

Prerequisite: PSYC 201 or 202.

This seminar examines the psychology of human behavior and culture through a comparative cultural perspective, and is taught on-site in a host country. Students explore the psychology of human behavior and mental processes at the individual and group level through site visits, lectures, guided tours, and on-site data collection. Student learning will be assessed through term papers, research projects, presentations, reaction papers and/or examinations, as specified in the course syllabus. Departmental application and Office of International Programs paperwork required.

PSYC 350. Forensic Psychology (3-3-0)

Prerequisite: PSYC 201, 202.

Presents an overview of how psychology research in areas such as social, clinical, developmental, I/O, and cognitive, is applied in areas of the legal system. Topics explored may include police psychology and interrogations and confessions, investigative psychology, consulting with the legal system for court cases and jury selection, eye witness issues, issues of juvenile development and delinquency, violent crime and victim impact, domestic violence, correctional psychology, civil applications, and child and elder abuse.

PSYC 360. Evolutionary Psychology (3-3-0)

Prerequisite: PSYC 201, 202.

An introduction to the ways in which an evolutionary psychologist uses natural selection as a lens for viewing human behavior and cognition. The course will focus on how natural selection works to produce adaptations, and then explore a wide range of psychological topics including mating and mate choice, disgust, consciousness, race, happiness and health.

PSYC 395. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty. Students who are interested in having a topics course in a certain area should make their suggestion to the Department Chair. Only one elementary topics course may be offered toward a degree in psychology.

PSYC 404. Biopsychology (3-3-0)

Prerequisite: PSYC 301W/301L or NEUR 301W/301L with a grade of C- or higher and senior standing or consent of instructor for non-majors. Corequisite: PSYC 404L.

A critical analysis of selected physiological mechanisms controlling behavior. Lecture topics include neuroanatomy/neurophysiology, sensory systems, homeostatically regulated systems, psychopharmacology and the physiological basis of memory. The laboratory provides hands-on experience with such topics as physiological instrumentation, various computer simulations, and an introduction to surgical techniques.

PSYC 404L. Biopsychology Laboratory (1-0-3)

Corequisite: PSYC 404.

Lab fees apply each term.

PSYC 405. Psychology of Motivation and Emotion (3-3-0)

Prerequisite: PSYC 301W/301L with a grade of C- or higher and senior standing (PSYC 305 recommended); Corequisite: PSYC 405L.

A study of the emerging factors in behavior, including such topics as instincts, drives, homeostatically-regulated systems, emotions, stress, anxiety. Motivation is approached theoretically from a biological framework. The laboratory includes replication of important experiments using either human or animal subjects.

PSYC 405L. Psychology of Motivation and Emotion Laboratory (1-0-3)

Corequisite: PSYC 405.

Lab fees apply each term.

PSYC 406. Psychology of Sensation and Perception (3-3-0)

Prerequisite: PSYC 301W/301L or NEUR 301W/301L with a grade of C- or higher and senior standing or consent of instructor for non-majors. Corequisite: PSYC 406L.

A study of sensory and perceptual processes presented in the framework of both theoretical and experimental issues. The laboratory includes experiments and demonstrations in several sensory/perceptual modalities.

PSYC 406L. Psychology of Sensation and Perception Laboratory (1-0-3)

Corequisite: PSYC 406.

Lab fees apply each term.

PSYC 408. Psychopharmacology (3-3-0)

Prerequisite: PSYC 301W/301L or NEUR 301W/301L, each completed with a grade of C- or higher, and senior standing or consent of instructor for non-majors.

Corequisite: PSYC 408L.

Spring.

This course examines how prescription and recreational psychotropic drugs affect behavior, the brain and mental health.

PSYC 408L. Psychopharmacology Laboratory (1-0-3)

Corequisite: PSYC 408.

Spring.

Lab fees apply each term.

PSYC 409. Behavioral Medicine and Health Psychology (3-3-0)

Prerequisite: PSYC 301W/301L with a grade of C- or higher and senior standing, or consent of instructor for non-majors; Corequisite: PSYC 409L.

This course offers a critical appraisal of the primary literature in behavioral medicine and health psychology. An analysis of health enhancing and health-compromising decisions. Topics include stress and coronary prone behaviors, psychoimmunology, obesity, eating disorders, exercise, smoking cessation, hypertension, diabetes, and pain management.

PSYC 409L. Behavioral Medicine and Health Psychology Laboratory (1-0-3)

Corequisite: PSYC 409.

Lab fees apply each term.

PSYC 410. Psychological Tests and Measurements (3-3-0)

Prerequisite: PSYC 301W/301L with a grade of C- or higher and senior standing, or consent of instructor; Corequisite: PSYC 410L.

This course explores the theory and practice of psychological assessment. Psychometric principles of test construction, development, validation, with attention to statistical techniques, and utilization are examined. Current psychological instruments are studied in depth. Students will learn to critically evaluate current psychological tests within a variety of contexts.

PSYC 410L. Psychological Tests and Measurements Laboratory (1-0-3)

Corequisite: PSYC 410.

Lab fees apply each term.

PSYC 415. Comparative Psychology (3-3-0)

Prerequisite: PSYC 301W/301L or NEUR 301W/301L with a grade of C- or higher and senior standing, or consent of instructor; Corequisite: PSYC 415L.

This course will focus on the fundamental methods and content of comparative psychology. Classic and contemporary principles and research will be discussed. The course will include such topics as the history of comparative

psychology as well as movement, foraging, social grouping, territoriality, mating systems and reproduction, predator and prey relationships, animal learning, and animal cognition. The laboratory will focus on the questions, techniques, methods, instruments, and activities related to course content.

PSYC 415L. Comparative Psychology Laboratory (1-0-3)

Corequisite: PSYC 415.

Lab fees apply each term.

PSYC 420. Human Sexuality (3-3-0)

Prerequisite: PSYC 201, 202.

The area of human sexuality includes subject matter from several disciplines and this course will deal with various aspects of the multidisciplinary nature of Human Sexuality. The course will explore the cultural and cross-cultural treatment of one of the most fundamental aspects of human nature, but an aspect long repressed by many conservative institutions of Western Civilization. An important goal of this course is to help the student communicate easily, accurately, and comfortably when discussing sexually related topics. Another major goal of this course is the recognition and understanding of sexual variation and dysfunction. Finally, this course will examine the importance of developmental processes in our understanding of normal sexual expression.

PSYC 423. Organizational Psychology: The Social Psychology of Work (3-3-0)

Prerequisite: PSYC 201, 202, PSYC 301W, PSYC 303, or consent of instructor for non-majors.

Fall.

A study of work motivation, job satisfaction, leadership, leadership within organizations, organizational development and change, and other organizational dynamics presented within the framework of theoretical and practical applications. The relationships between these variables/processes and organizational outcomes (e.g., productivity, turnover) will be examined from the perspective of the organization as a system.

PSYC 428. Cognitive Development (3-3-0)

Prerequisite: PSYC 301W/301L or NEUR 301W/301L with a grade of C- or higher and senior standing or consent of instructor for non-majors; Corequisite: PSYC 428L.

This course will focus on the development of cognitive processes from infancy to adolescence. Classic and contemporary theories and research will be discussed. The course will include such topics as attention, perception, brain development, memory, mental representation, language acquisition, conceptual development, social cognition, literacy acquisition, and numerical concepts.

PSYC 428L. Cognitive Development Laboratory (1-0-3)

Corequisite: PSYC 428.

Lab fees apply each term.

PSYC 430. Social Development (3-3-0)

Prerequisite: PSYC301W/301L with a grade of C- or higher and senior standing, or consent of instructor.

Corequisite Courses: PSYC430L.

This course examines the nature and pathways of human social development from conception to adulthood with emphasis on birth to adolescence and the influence on adult behavior. We will discuss classic and contemporary theories and research. We will discuss topics such as socialization, personality development, temperament, emotional development, the establishment and maintenance of parent/child relationships, social cognition, sex-role development and the ties to adult sexual relationships, prosocial and antisocial development, moral development, early social language, the nature of parenting, sibling interactions, peer relationships, television, computers and schooling. This course is designed to benefit those with an interest in working with children.

PSYC 430L. Social Development Laboratory (1-0-3)

Corequisite Courses: PSYC430.

Lab fees apply each term.

PSYC 431. Psychology of Architecture and Industrial Design (3-3-0)

Prerequisite: PSYC 301W/301L with a grade of C- or higher and senior standing, or consent of instructor; *Corequisite:* PSYC 431L.

This course investigates psychological principles important to environmental, architectural, and product design issues. An overview will be provided on how the science of psychology informs our understanding of how people use structures and products in their lives. The course examines the historical and creative influence of noted architects and designers, concentrating on how they dealt with human-environment issues, such as: crowding, privacy, efficiency, and socialization. The laboratory provides an opportunity for students to identify, analyze, and solve design problems using a studio and fieldwork approach. The course culminates with the preparation and delivery of a major presentation and term paper illustrating a creative solution to a design problem.

PSYC 431L. Psychology of Architecture and Industrial Design Studio-Lab and Fieldwork (1-0-3)

Corequisite: PSYC 431.

Lab fees apply each term.

PSYC 444. The Psychology of Creative and Critical Thinking (3-3-0)

Prerequisite: PSYC301W/301L with a grade of C- or higher and senior standing; *Corequisite:* PSYC 444L.

This course explores a psychological approach to creative (e.g., original ideation, problem solving, and innovativeness) and critical (e.g., evaluation, analysis, and Socratic reasoning) thinking. Students will be given the opportunity to customize learning based on their own unique interests and career goals through reading, discussions, collaborations, projects, and presentations.

PSYC 444L. The Psychology of Creative and Critical Thinking Laboratory (1-0-3)

Prerequisite: PSYC 301W/L with a grade of C- or higher and senior standing; *Corequisite:* PSYC 444.

Lab fees apply each term.

PSYC 451. Advanced Statistics and Multivariate Analysis (3-3-0)

Prerequisite: PSYC301W/301L with a grade of C- or higher and senior standing, or POLS 352 or SOCL 340 or consent of instructor; *Corequisite:* PSYC 451L.

This course will introduce multivariate analyses covering repeated measures, Analysis of Covariance, MANOVA, Multiple Regression, Factor Analysis, Discriminate Analysis, and a brief overview of Path Analysis, Log Linear designs, and Meta-Analysis. The logical properties of multivariate techniques and interpretation of research results are stressed. Multivariate statistical procedures are compared covering the various strengths and weaknesses. Finally, this course will focus on how to organize, analyze, and interpret complex data.

PSYC 451L. Advanced Statistics and Multivariate Analysis Laboratory (1-0-3)

Corequisite: PSYC 451.

Lab fees apply each term.

PSYC 490. WI: Senior Seminar (3-3-0)

Prerequisite: ENGL 223 with a C- or higher; PSYC 301W/301L and 306 each with a grade of C- or higher and senior standing.

Topical seminars cover a variety of areas. These seminars are limited to seniors only. This course partially satisfies the writing intensive requirement.

PSYC 491. Practicum in Psychology (3-3-0)

Prerequisite: Senior standing; completion of PSYC 301W/301L and 306 with a grade of C- or higher; consent of the instructor.

Requirements for the practicum are set forth in the Field Manual for Practicum Students in Psychology, which is available in the Office of the Department of Psychology. Students enrolling in this course will participate in an organization, agency or other placement appropriate to the student's educational and professional goals. Those wishing to enroll in this course must contact the instructor of the course prior to the preregistration period to receive permission to enroll. Students failing to receive prior permission by the instructor will be unable to register for the course. Students will play a major role in finding an appropriate placement. Failure to comply with the above requirements can result in no placement. A maximum of one registration can be counted toward the degree.

PSYC 492. Directed Research in Psychology (3-3-0)

Prerequisite: PSYC 301W/301L with a grade of C- or higher.

Directed study consisting of either library or empirical

research supervised by a professor from the Department of Psychology.

PSYC 495. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

**PSYC 499. Independent Study in Psychology
(credits vary 1-3)**

Prerequisite: Junior or senior standing, consent of instructor and Department Chair.

This course is designed to allow the qualified student to enrich his/her program by pursuing independent work in psychology. The topic, timelines, and criteria for evaluation are agreed upon in writing by the student and supervising instructor. Copies of the study plan must be filed with appropriate University offices, attached to an Independent Study Authorization Form. This form is available through the Office of the Registrar. The necessary paperwork must be completed by the end of registration in the semester in which the study is to be completed. The research conducted may consist of bibliographic or experimental research. A maximum of six hours earned in PSYC 499 may be counted toward the degree.

DEPARTMENT OF SOCIOLOGY, SOCIAL WORK AND ANTHROPOLOGY

Dr. Michael Lewis, Chair
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Faculty

Professor: Lewis
Associate Professor: Russett, Valutis, Waldron
Assistant Professor: Briddell, Docka-Filipek, Finn, Rochmes, Timmer
Senior Lecturer: J. Harris
Lecturer: Baird, Griffiths, Keener, Loy
Emeriti: Durel, Healey, Kernodle, Manton, Mathews, Pellett, Purtle
Social Work Field Education Coordinator: Russett

The Department of Sociology, Social Work, and Anthropology offers a Bachelor of Arts degree in sociology and a Bachelor of Arts degree in social work accredited by the Council on Social Work Education. The sociology major includes concentrations in anthropology and criminology; minors in anthropology and sociology are also available, as well as a program of Teacher Preparation. Sociology majors acquire a strong liberal arts background as well as experience in understanding society from a sociological perspective. The major emphasizes and develops the ability to analyze significant social issues, conduct research, and communicate the results of scholarly investigation. Majors in sociology learn to apply conceptual models and conduct research in the context of a global and broadly comparative perspective on the world today. The major in sociology provides practical skills for the work-world, valuable preparation for graduate study, and a solid foundation for intelligent citizen participation.

The Bachelor of Arts degree in social work offers a strong liberal arts base and has the principal educational objective of preparing students for beginning generalist social work practice. The highly integrated curriculum includes sequences of study in social welfare policy and services, human behavior and the social environment, research, and social work practice. Coursework includes the study of individuals, families, groups, organizations, and communities; it also integrates content on values and ethics of the profession, diversity and special populations, social and economic justice, and a strengths perspective. The culmination of the major is the educationally directed field instruction which places students in social agencies in the community. Graduates find employment in public and private social service agencies in fields such as family and child welfare, health, mental health, drug and alcohol rehabilitation, schools, corrections, and probation.

Mission Statement

The Department of Sociology, Social Work and Anthropology's mission is to present the intellectual foundations of sociology, social work, anthropology, criminology and geography. Built on a strong liberal arts base, our programs are mindful of each discipline's responsibility to mentor students who will be engaged citizens in a multicultural, diverse and global society. Our instructional mission is to provide students with knowledge and skills that are applicable to a broad range of settings, including the public and private sector, and to better prepare students to pursue graduate and professional degrees in sociology, social work, anthropology, criminology and related disciplines. In addition to these, the social work program prepares students for entry level social work practice. We emphasize each discipline's core concepts, theories, bodies of knowledge, techniques of social research, the ability to think critically, and the clear expression of ideas, both written and oral. This educational mission promotes scientific and intellectual inquiry and fosters qualities of leadership. Finally, our programs advocate service to the community and Commonwealth.

The Bachelor of Arts degree in Sociology

Sociology majors are required to take MATH 125 as a prerequisite for SOCL 340. All courses must be selected in consultation with an advisor from this department. In addition to successfully completing the liberal learning curriculum, the Bachelor of Arts degree in sociology requires successful completion of the following major and elective courses with no more than two grades below C-:

1. MATH 125;
2. SOCL 205;
3. Any one ANTH/ GEOG/ SOCL/ SOWK 200-level course;
4. SOCL 340, 390, 470W, and 490W; all completed at CNU in this department only and passed with a grade of C- or higher; ;
5. Select an additional 18 hours of ANTH or SOCL at the 300-400 level, of which no more than six hours may be ANTH courses;
6. In total, at least eighteen hours in SOCL courses must be earned at CNU;
7. Successful completion of departmental qualifying examinations.

The Bachelor of Arts degree in Sociology Anthropology Concentration

Sociology majors are required to take MATH 125 as a prerequisite for SOCL 340. In addition to successfully completing the liberal learning curriculum, the Bachelor of Arts degree in Sociology with a concentration in anthropology requires successful completion of the following major and elective courses:

1. MATH 125;
2. ANTH 200 and 203;
3. SOCL 205;
4. SOCL 340, 390, 470W, and 490W; all completed at CNU in this department only and passed with a grade of C- or higher;
5. Select an additional twelve hours in ANTH at the 300-400 level;
6. Select one of the following: GEOG/SOCL 308, SOCL 313, 315, or 316;
7. In total, at least eighteen hours in ANTH and SOCL courses must be earned at CNU;
8. Successful completion of departmental qualifying examinations.

The Bachelor of Arts degree in Sociology Criminology Concentration

Sociology majors are required to take MATH 125 as a prerequisite for SOCL 340. In addition to successfully completing the liberal learning curriculum, the Bachelor of Arts degree in Sociology with a concentration in criminology requires successful completion of the following major and elective courses:

1. MATH 125;
2. SOCL 205;
3. SOCL 340, 390, 470W and 490W; all completed at CNU in this department and passed with a grade of C- or higher;
4. SOCL 321, 335, 491;
5. Select four: ANTH 345; SOCL 304, 316, 319, 320; GEOG/SOCL 308; POLS 204, 243, 347, 368W; PSYC 350; SOWK 374; and no more than two non-SOCL courses;
6. At least eighteen hours in ANTH and SOCL courses must be earned at CNU;
7. Successful completion of departmental qualifying examinations.

The Minor in Sociology (18 credits)

The minor in sociology requires a minimum of 18 credits in sociology. To complete the minor, students must take SOCL 201, 205, and 12 hours of additional SOCL courses at the 300 or 400 level selected in consultation with an advisor from the department.

The Minor in Anthropology (18 credits)

The minor in anthropology requires a minimum of 18 credits in anthropology. Required courses are:

1. ANTH 200 and 203;
2. Additional twelve hours in ANTH courses at the 300-level or above;

Sociology Major Requirements for Teacher Preparation

Those students who wish to become elementary teachers should apply to the five-year Master of Arts in Teaching (M.A.T.) program. Application to the program must be made in spring of the junior year. See the *Graduate Catalog* for application instructions and requirements. Students will earn the B.A. in sociology (any concentration) and then complete an additional year of study leading to an M.A.T. degree. The courses and degree requirements for the M.A.T. are found in the *Graduate Catalog*. Students accepted into this program must complete the following track for graduation with the bachelor's degree:

Elementary level (PK-6) Track

Major courses required:

See B.A. Sociology (any concentration) major requirements.

Support courses required:

- ENGL 123, 223; 310 or 430, and 316;
- COMM 201 or THEA 230;
- CPSC 110;
- MATH 109, 125;
- HIST 111, 121, 122;
- POLS 101;
- GEOG 210;
- PSYC 208, 312;
- SOCL 314/314L;
- BIOL 107 or 108; CHEM 103; PHYS 141; PHYS 105L or BIOL 109L;
- NSCI 310.

* Support courses may change based on regulations from the Virginia Department of Education.

Graduate courses* required (senior year):

Select six credits from a), b), or c):

- a) MATH 570;
- b) PSYC/TCHG 544;
- c) MLAN 511, ENGL 530.

* See the graduate catalog for course descriptions.

NOTE: Students wishing to teach sociology at the secondary level must complete teacher preparation requirements in history and social science. Application to this program is made during the junior year. Because course sequencing is critical to finishing on time, interested students should talk to an advisor about the five-year program early.

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The Bachelor of Arts degree in Social Work

Mission Statement

The social work program ascribes to and fully supports the mission of the Department of Sociology, Social Work and Anthropology. In addition, the program prepares social work majors for generalist social work practice grounded in scientific inquiry that promotes social and economic justice, alleviates social problems and enhances human well-being while practicing within the values of the social work profession. The social work program is committed to a curriculum of excellence built on the competencies required for social work practice that meets the accreditation standards of the Council on Social Work Education. The program places special emphasis on service to community, Commonwealth and beyond.

Social Work Program Goals

The CNU Social Work Program goals are to produce:

- Exceptionally competent baccalaureate generalist social workers prepared in a liberal arts foundation
- Social science scholars who are technologically competent and prepared for critical thought and scientific inquiry
- Citizens of the community and the Commonwealth who are informed about the social and natural environment including national and global issues and ready advocates of human and civil rights for social and economic justice
- Individuals who demonstrate effective interpersonal and professional communication skills and the ability to use self-as-instrument practice
- Professionals imbued with the social work strengths perspective, respect for human diversity, and the ability to apply knowledge of diversity and difference in practice
- Social workers prepared to apply theory and knowledge of biological, psychological, sociological and spiritual views of person and environment interaction
- Leaders dedicated to service and prepared with an understanding of the value base of the social work profession and its ethical standards and principles

In addition to successful completion of the liberal learning curriculum, the major in social work requires successful completion of the following courses in major and elective studies:

1. BIOL 109L and one BIOL 100-level lecture course;
2. MATH 125;
3. PSYC 201;

4. SOCL 201, 205 or ANTH 203;
5. SOCL 316, 340;
6. SOWK 201, 210, 211, 301, 301L, 302, 303, 366, 401, 402W, 493 and 498.
7. Because courses are sequential, students are required to meet regularly with a social work faculty advisor.

Entrance to the Social Work Major

In addition to admission as a classified student at CNU and formal declaration of social work as a major, students must apply for “entered status” as a CNU baccalaureate social work major. Requirements for entrance to the social work major include:

- Completion of at least 30 hours of academic work, showing progress toward meeting CNU’s liberal learning core requirements;
- Successful completion (a grade of C or better) of SOWK 201 or acceptable equivalent is preferred, to ensure at least a basic understanding of the career choice being made;
- An overall grade point average (GPA) of 2.5 and a GPA of at least 2.75 in all social work courses; and
- One professional reference from a professor or employer outside Social Work, a completed application, and possibly a personal or panel interview.

For further information on these requirements, the social work major furnishes information and application to interested students through the program director or department website. Entrance to the major consists of the following parts:

- Application. Applications for entrance to the social work major are accepted from students who are currently enrolled at the University and have at least 30 hours of academic work. It is preferred (but not required) that students have completed or are currently enrolled in Introduction to Social Work (SOWK 201) at the time of the application. Transfer students who meet these requirements may also apply. Applications are accepted throughout the year, but students **MUST** be approved as a social work major prior to enrollment in Social Work Practice I (SOWK 301) and the corresponding laboratory class (SOWK 301L).
- Interview. Once a complete application package is received, an interview or panel interview may be scheduled. Interviews are usually scheduled with the Social Work Major Director. However, the applicant, a social work faculty member, or the Social Work Major Director may request an interview and decision by a panel of three social work faculty members in lieu of an individual interview and decision by the Social Work Major Director.
- Disposition. Students will be informed of the disposition of their applications, in writing, within three weeks of application or interview when applicable. The

following dispositions are possible: **Full Entrance**, **Probationary Entrance** (spells out requirements for full acceptance), and **Denial**.

Students who have been granted probationary entrance or who have been denied may appeal such decisions through the appeals channels as outlined in the *Social Work Program Student Handbook*.

For continuance in the Social Work Major

A student must demonstrate readiness to enter and continue in the professional or upper level courses in the social work program of study. This requires:

1. Academic achievement (maintenance of overall GPA of 2.5 and GPA of 2.75 in social work courses);
2. Personal and professional behavior consistent with the NASW Code of Ethics;
3. Effectiveness in work with client systems as demonstrated through laboratory and field courses; and
4. Capacity to master the necessary skills of generalist social work practice.

Continuing GPA and Other Requirements

Automatic review of entrance standing occurs when grades of *D* or *F* are made in any required course in the major or when a student is on academic probation. Probationary status in the major prevents a student from entering or continuing in 400-level social work (SOWK) courses. Re-entrance to good standing will be determined by GPA and approval of the Social Work Major Director and/or a panel of three social work faculty members.

Successful completion of SOWK 301 and 301L (grade of C or better). A grade below a *C* or an unfavorable laboratory evaluation of skills will result in automatic probationary status or permanent dismissal from the program. Continuance in the program following probationary status will be determined in the following semester

Field Instruction Requirements:

The field instruction component of the student's social work education is integral to developing professional social workers. The field experience is designed to be an overall learning experience, integrating students' knowledge, values, skills, and cognitive and affective processes acquired prior to field within a "practice" setting to assure the continuing process of professional growth.

Entrance to Field Instruction requires:

1. Senior status;
2. Students meet the criteria for continuance in the Social Work Major;
3. Completed and approved field instruction application for entrance to Field Instruction I (SOWK 401);
4. Students obtain individual liability insurance (available through the National Association of Social Workers).

Additional information is available in the Field Instruction Manual available through the Field Instruction Coordinator.

THE CURRICULUM IN ANTHROPOLOGY

ANTH 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

ANTH 200. Human Adaptation (3-3-0) AINW

The course will focus on the processes and principles relevant to understanding the biological history of the human species and the variation this species exhibits today. Because of the unique nature of humans as culturally dependent organisms, aspects of human cultural evolution are also discussed, with an emphasis on the interaction of cultural and biological factors. Topics to be emphasized are the history of evolutionary thought, the application of the evolutionary process to humans, human genetics, human variation, the relationship of humans to other organisms (particularly in the order Primates), the human fossil record and archaeology.

ANTH 203. Cultural Anthropology (3-3-0) AIGM

Fall and Spring.

An anthropological and comparative study of humans and the cultures they have created. The focus of the course is the study of pre-industrial and non-Western societies, including social and political organization, religion, economics, mythology and traditions, and intellectual and artistic life.

ANTH 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

ANTH 309. The Refugee Experience (3-3-0) AIGM [Same as SOCL 309]

Prerequisite: any SOCL or ANTH 200 level course with a minimum grade of C-.

This course examines what people go through when they are forced to flee their homelands under duress, and the obstacles and opportunities awaiting them in new countries. How do natives of the host country react? How do newcomers navigate the social terrain of our country? We will take the long view of the refugee experience, looking at the history of immigration to the U.S. and linking the current refugee crisis to global economics and politics. Given the unique cultural background of each refugee population, how do new arrivals to our society adapt their traditions to ours?

ANTH 310. Fear and Magic (3-3-0)

Prerequisite: ANTH 203.

This course investigates what various cultures consider frightening, and the magical means they use to overcome those fears. Using an anthropological approach to religion and magic, the course examines how magical beliefs and

practices are embedded and enacted within specific cultural contexts, including our own.

ANTH 325. Food and Culture (3-3-0) AIGM

[Same as SOCL 325]

Prerequisite: Any SOCL or ANTH 200 level course.

This course is designed to develop an appreciation for the role of food in culture. The course will survey how food has been a central pawn in the political strategies of states and households; marks social differences, boundaries, and bonds, and how eating is an endless enactment of gender, family, and community relationships. Exploring cultural similarity and difference through food will provide course participants with a concrete and accessible yet powerful example of the cultural construction of reality, the ecological bases behind that construction, and their own participation in that process.

ANTH 330. Language and Culture (3-3-0) AIGM

[Same as SOCL 330]

Prerequisite: ENGL 223 and either SOCL 201 or 205.

This course takes a socio-cultural look at language by exploring the relationship between language and society from a global comparative perspective. Students will learn about how language constructs meaning and contributes to the reproduction of both individual and collective identities. Drawing on the insights of linguistic anthropology and sociolinguistics, the course explores major topics in the study of language such as ethnicity, class and gender as well as linguistic rights, minority language revitalization and language policy. Students will also be introduced to the methods of conversational and critical discourse analysis.

ANTH 331. Environment, Culture and Society (3-3-0)

Prerequisite: ANTH 200 or 203 or EVST 220.

An investigation of the intersection of human behavior, social organization, and the biotic communities which provide the conditions for human survival. The focus of the course involves theoretical models developed by social scientists to account for issues of adaptability, sustainability, and environmental degradation in relation to cultural practices and social norms of behavior. Additionally, the class will consider the methodological challenges in creating reliable knowledge of socio-ecological systems. Topics may include cultural ecology, social organization, conservation, sustainability, mode of production, mode of subsistence, stratification, indigeneity, ecosystems, pinnacle species, identity, landscape, political ecology, place vs. space, environmental racism, development and neo-totemism.

ANTH 345. Forensic Anthropology (3-2-2)

Prerequisite: ANTH 200.

In this class, students will learn about forensic anthropology, specifically its methods of data collection and analysis. We begin by becoming acquainted with the skeleton with a detailed look at major cranial and post-cranial elements and their features. In addition to identifying bones, we will learn

how bones respond to stress and trauma. Using established osteometric methods, we will work on identifying key characteristics such as age, sex, and gender before moving on to examining patterns of trauma and their possible biological, cultural, or violent causes.

ANTH 365. Case Study in Culture (3-3-0)

Prerequisite: ANTH 203 or SOCL 205.

This course will provide an in-depth study of people and their practices in a specific culture. Content will vary depending on the faculty teaching it, but will provide a focused look at a particular culture, be that a regional culture (such as Polynesian culture), a singular culture (such as the Ainu of Japan), or a culture defined by diasporas and migration (such as the Roma in Europe and Chinatown, USA). Students will gain a comprehensive understanding of the culture in question, through a combination of lecture, projects, films, and ethnographic texts. **This course is repeatable once for a total of six credits when the topic is different.**

ANTH 377. Women, Gender, and Culture (3-3-0) AIGM

[Same as SOCL 377]

Prerequisite: any SOCL or ANTH 200 level course.

This course introduces the sociocultural construction of gender within a globalizing economic and political environment. A variety of feminist perspectives will be studied to illustrate the diversities of women's experiences that shape their knowledge and behavior. Recurrent themes in women's studies, women's movements, and women's lives will be examined, as will be the processes through which the voices of women in dominant countries, classes and cultures have been heard over those of women of lesser privilege.

ANTH 388. Field Explorations in Anthropology and Geography (3-2-2) [Same as GEOG 388]

Prerequisite: ANTH 203 or any 200-level GEOG course.

Spring.

Field research has long been at the core of both anthropological and geographical inquiry. Whether interviewing key informants, participating in important community events, or interpreting cultural landscapes, fieldwork in anthropology and cultural geography happens through direct experiences and relationships with our research subjects and co-collaborators. The purpose of this course is to introduce students to key theories and methods used in fieldwork in both disciplines, to put them to use on a field project locally, nationally, or globally, and to draft a written report of the results.

ANTH 395. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

ANTH 491. Practicum in Anthropology (3-0-8)**[Same as SOCL 491]***Prerequisite: SOCL 301W or SOCL 390 or SOCL 321.**Fall and Spring.*

The practicum in anthropology consists of 150 hours in an approved setting and is designed to give an opportunity to integrate research methods with practice. Written work will include a field log and a final paper synthesizing the experience. Practicum must be approved by the department before registering.

ANTH 495. Special Topics (3-3-0)*Prerequisite: As announced.*

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

THE CURRICULUM IN GEOGRAPHY

GEOG 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

GEOG 210. Introduction to Human Geography (3-3-0)

This course provides a broad introduction to human geography. To do so, the course will introduce the spatial perspective and teach students to apply this perspective to a broad range of geographic subfields, including population and demographics, migration, cultural, political, economic, and urban geography, and the geography of human-environment interaction. The course places particular emphasis on the role of geography in helping to understand and address local, regional, and global issues. Additional attention will be paid to the role of geospatial technology in solving these problems.

GEOG 211. Geography of Human-Environment Interaction (3-3-0) AINW

This course is an introduction to the study of human-environment interactions from a geographical perspective, placing a special emphasis on the role of humans in shaping the environment, and how this changed environment then affects humans and human development. The course explores different perspectives in human-environment interaction such as the politics of nature, cultural and political ecology, hazards geography and human vulnerability, and environmental justice. Pressing issues in human-environment geography will be covered, including global climate change, global food systems, overpopulation, overconsumption, and biodiversity. By the end of the semester students should understand the highly integrated relationships between humans and the environment.

GEOG 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

GEOG 308. The Urbanizing World (3-3-0)**[Same as SOCL 308]***Prerequisite: SOCL 201 or any 200-level GEOG course.*

The purpose of this course is to critically analyze our urbanizing world. What has driven humans to settle in increasingly higher densities? How do people choose where to live, and what constrains those choices? What are the social, economic, and environmental implications of urbanization? To answer these and other questions, this course focuses on the historical process of urbanization, 20th and 21st century urbanization in the United States, and various other case studies in urban geography and sociology.

GEOG 388. Field Explorations in Anthropology and Geography (3-2-2) [Same as ANTH 388]*Prerequisite: ANTH 203 or any 200-level GEOG course.**Spring.*

Field research has long been at the core of both anthropological and geographical inquiry. Whether interviewing key informants, participating in important community events, or interpreting cultural landscapes, fieldwork in anthropology and cultural geography happens through direct experiences and relationships with our research subjects and co-collaborators. The purpose of this course is to introduce students to key theories and methods used in fieldwork in both disciplines, to put them to use on a field project locally, nationally, or globally, and to draft a written report of the results.

GEOG 395. Special Topics (3-3-0)*Prerequisite: As announced.*

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

GEOG 495. Special Topics (3-3-0)*Prerequisite: As announced.*

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

THE CURRICULUM IN SOCIOLOGY

SOCL 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

SOCL 201. Globalization and Society (3-3-0) AIGM*Fall and Spring.*

This course addresses globalization in the 21st century and its implications for the U.S. and the world. The course will devote considerable attention to the inequalities and tensions created by this form of globalization, to the critiques developed by non-Western thinkers, and to the experiences of specific developing and undeveloped nations through case studies. The course provides a macro-sociological perspective on the intersections between culture, polity and market in the present global system of societies.

SOCL 205. Sociological Foundations (3-3-0)*Fall and Spring.*

This course will explore the perspectives, theories, and methodologies of sociology that are used to understand the dynamics of contemporary Western society. The course emphasizes the ways socialization, social cooperation, and conflict influence the structure of American society as well as the worldwide community. Students will become more aware of how their views, values and opinions are shaped by the larger society and the social forces that constrain their actions and reinforce their social identities.

SOCL 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

SOCL 301. WI: Sociological Theory (3-3-0)

Prerequisite: ENGL 223 with a C- or higher; Any two 200-level SOCL or ANTH courses, and junior standing.

Fall and Spring.

The history, development, and current status of sociology. A consideration of major theorists and perspectives. This course partially satisfies the writing intensive requirement.

SOCL 303. The Family in Transition (3-3-0)

Prerequisite: Any 200-level SOCL or ANTH course.

The application of sociological theory and research to U.S. marriage and family issues from a social change perspective. Emphasis is placed on changing gender roles and diversity in families. Variations in norms by social class, race, ethnicity, and family structure are presented.

SOCL 304. Socialization and Society (3-3-0)

Prerequisite: Any 200-level SOCL or ANTH course.

Emphasis will be on the generic process by which individuals become members of society. Consideration of the impact of family, sex, race, and socioeconomic class on socialization and personality. The importance of the major agencies of socialization, such as family, school, peer group, and media.

SOCL 306. Social Psychology (3-3-0)**[Same as PSYC 304]**

Prerequisite: PSYC 201, 202.

An examination of the psychological processes involved in social relationships of various types. The focus is upon person-perception processes, self-concept, attitude change, aggression, and interpersonal influence.

SOCL 308. The Urbanizing World (3-3-0) [Same as GEOG 308]

Prerequisite: SOCL 201 or any 200-level GEOG course.

The purpose of this course is to critically analyze our urbanizing world. What has driven humans to settle in increasingly higher densities? How do people choose where to live, and what constrains those choices? What are the social, economic, and environmental implications

of urbanization? To answer these and other questions, this course focuses on the historical process of urbanization, 20th and 21st century urbanization in the United States, and various other case studies in urban geography and sociology.

SOCL 309. The Refugee Experience (3-3-0) AIGM [Same as ANTH 309]

Prerequisite: Any 200-level SOCL or ANTH course with a grade of C- or higher.

This course examines what people go through when they are forced to flee their homelands under duress, and the obstacles and opportunities awaiting them in new countries. How do natives of the host country react? How do newcomers navigate the social terrain of our country? We will take the long view of the refugee experience, looking at the history of immigration to the U.S. and linking the current refugee crisis to global economics and politics. Given the unique cultural background of each refugee population, how do new arrivals to our society adapt their traditions to ours?

SOCL 313. Sociology of Religion (3-3-0)

Prerequisite: Any 200-level SOCL or ANTH course.

A sociological analysis of religion as a social institution with emphasis on the interrelationship between religion, society and the individual. Topics covered include theoretical perspectives, empirical measurements of religiosity, and trends in secularization and religious pluralism.

SOCL 314. Education, Culture and Society (3-3-0)

Prerequisite: Junior standing or consent of department.

Fall and Spring.

This course examines underlying ideologies as expressed in educational theory and practice and the role of education in modern social, economic and political life. A participatory forum for discussion of a variety of perspectives and issues will provide a basis for students to explore the purpose and future of education in a free and democratic society.

SOCL 314L. Education, Culture and Society Lab (1-1-2)

Pre or corequisite: SOCL 314 and junior standing.

Fall and Spring.

This course is intended primarily for students who plan to apply to the MAT program. The purpose of this lab is to take what students have learned from social science research on education, culture and society, and apply it to a classroom setting. By the end of this course students will be able to apply social science theory to the everyday interactions that take place in schools.

SOCL 315. Health and Healing (3-3-0)

Prerequisite: Any 200-level SOCL or ANTH course.

Analysis of the sociocultural context of illness, including disease etiology, epidemiology, and illness behaviors. The formal and informal organization of the health professions and institutions, and the system of health care delivery.

SOCL 316. Racial and Ethnic Relations (3-3-0)

Prerequisite: Any 200-level SOCL or ANTH course.

A comprehensive analysis of a variety of minority groups including Native Americans, women, Hispanic and Asian minorities, European immigrants, and Black Americans. The course will concentrate on the problems of prejudice and discrimination, integration and conflict, and trends of change.

SOCL 319. Deviant Behavior (3-3-0)

Prerequisite: Any 200-level SOCL or ANTH course.

Spring.

An analysis of the social processes which result in defining and reacting to behavior as deviant. Emphasis is on the social construction of deviance, and the effects of societal responses to deviance. Various forms of deviance will be analyzed, including eating disorders, sexual deviance, and elite deviance.

SOCL 320. Sociology of Media and Popular Culture (3-3-0)

Prerequisite: Any 200-level SOCL or ANTH course.

The class takes a critical approach to the production and consumption of the mass media, with a focus on both the economics and politics of the media industry in the United States. We examine the influence of media messages in terms of socialization, identity, norms, rituals, stereotypes, deviance, crime and violence. This course also addresses the growth of new media technologies, current dilemmas facing media policy makers and the impact of the media on globalization. Finally, we examine how relations of race, social class and gender are intricately tied to cultural production and consumption in society.

SOCL 321. Criminology (3-3-0)

Prerequisite: Any 200-level SOCL or ANTH course.

Fall and Spring.

A sociological analysis of the nature and extent of crime as revealed by official statistics, victimization surveys, and self-reported crime. Emphasis will be on sociological theories of crime; characteristic patterns of crime; psychological, biological and economic factors in criminal behavior; crime and social change; and the relationship between social policies and criminal behavior.

SOCL 325. Food and Culture (3-3-0) AIGM [Same as ANTH 325]

Prerequisite: Any 200-level SOCL or ANTH course.

This course is designed to develop an appreciation for the role of food in culture. The course will survey how food has been a central pawn in the political strategies of states and households; marks social differences, boundaries, and bonds, and how eating is an endless enactment of gender, family and community relationships. Exploring cultural similarity and difference through food will provide course participants with a concrete and accessible yet powerful example of the cultural construction of reality, the ecological bases behind that construction and their own participation in that process.

SOCL 330. Language and Culture (3-3-0) AIGM [Same as ANTH 330]

Prerequisite: ENGL 223 and either SOCL 201 or 205.

This course takes a socio-cultural look at language by exploring the relationship between language and society from a global comparative perspective. Students will learn about how language constructs meaning and contributes to the reproduction of both individual and collective identities. Drawing on the insights of linguistic anthropology and sociolinguistics, the course explores major topics in the study of language such as ethnicity, class and gender as well as linguistic rights, minority language revitalization and language policy. Students will also be introduced to the methods of conversational and critical discourse analysis.

SOCL 335. Crime and Inequality (3-3-0)

Prerequisite: SOCL 321.

This course takes a critical approach to examining the relationships between structural inequality, crime, and crime control. We will identify how social structures such as race, class, and gender are related to crime, victimization, and crime control and will explore a variety of potential causes and consequences of these inequalities.

SOCL 340. Statistics for Social Research (3-3-0) [Formerly SOCL 392]

Prerequisite: MATH 125, any 200-level SOCL or ANTH course, and sophomore standing.

Fall and Spring.

Data-analysis techniques, including statistical analysis, measurement, hypothesis testing, multivariate analysis, and measures of association.

SOCL 377. Women, Gender, and Culture (3-3-0) AIGM [Same as ANTH 377]

Prerequisite: Any 200-level SOCL or ANTH course.

This course introduces the sociocultural construction of gender within a globalizing economic and political environment. A variety of feminist perspectives will be studied to illustrate the diversities of women's experiences. Recurrent themes in women's studies, women's movements and women's lives will be examined, as will be the processes through which the voices of women in dominant countries, classes and cultures have been heard over those of women of lesser privilege.

SOCL 390. Sociological Theory (3-3-0)

Prerequisite: SOCL 205 and any two 300-level SOCL or crosslisted SOCL / ANTH courses and junior standing.

This course is designed to give students an overview of the history, development, and current status of sociology. Texts, lectures, discussions, and small group sessions will focus on the assumptions and concepts employed by major classical and contemporary theorists who have contributed to our understanding of individuals, groups, organizations, and society. Students will develop skills to apply theories to the current social world.

SOCL 395. Special Topics (Credits vary 1-3)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

SOCL 470. WI: Methods of Inquiry (3-3-0)

Prerequisite: SOCL 340 and SOCL 390, passed with a C- or higher.

A writing-intensive course that serves as the first part of the senior sequence designed only for sociology majors. The course emphasizes the ability to read and summarize current sociological research. The course will also focus on the qualitative and quantitative methodologies sociologists employ when carrying out research. Students will be expected to produce both a literature review and a research proposal that will lead to further investigation in SOCL 490W.

SOCL 480. WI: Research Methods and Design (3-3-0)

Prerequisite: ENGL 223 with a C- or higher; any 200-level SOCL or ANTH course, SOCL 340/392 and SOCL 301W with a C- or higher.

Fall and Spring.

Examination of the methodological problems of social research. Selection and definition of problems of investigation, research designs, data-gathering techniques and sampling. This course partially satisfies the writing intensive requirement.

SOCL 490. WI: Senior Seminar (3-3-0)

Prerequisite: SOCL 340, 390, and 470W, with a C- or higher; Senior standing; Sociology majors only.

Fall and Spring.

The capstone of the department, this discussion-centered course emphasizes the importance of careful, systematic analysis as well as the concepts, theories, and methods employed in social science research. Students will select a feasible research question to be studied throughout the semester, then apply the theoretical and methodological knowledge gained in previous courses to design and conduct an original research project.

SOCL 491. Practicum in Sociology (3-0-8)

[Same as ANTH 491]

Prerequisite: SOCL 301W or SOCL 390 or SOCL 321.

Fall and Spring.

The practicum in sociology consists of 150 hours in an approved community setting. Its purpose is to give the student the opportunity to correlate theory with practice. Written work will include a log and a final paper synthesizing the student's experience. Practicum must be approved by the department before the student registers.

SOCL 492. Readings in Sociology (Credits vary 1-3)

Prerequisite: Consent of instructor.

Fall and Spring.

Extensive reading in a chosen subject under the direction

of a faculty member. Subject must be decided upon and permission of instructor secured before registration. Final paper will be presented orally to the department.

SOCL 495. Special Topics (3-3-0)

Prerequisite: As announced. Junior or senior status or consent of instructor.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

SOCL 499. Independent Research or Research Internship (3-0-8)

Prerequisite: SOCL 301W/390, 340, senior standing, a 3.00 GPA (both overall and in the major), consent of instructor and department chair.

Fall and Spring.

Independent research allows the student to do a research project on a chosen subject under the direction of a staff member. The research topic must be decided upon and permission of department secured before registration. The research internship provides the student with the opportunity of doing research in an agency or program setting. Final paper will be presented orally to the department.

THE CURRICULUM IN SOCIAL WORK

SOWK 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

SOWK 201. Introduction to Social Work and Social Welfare (3-3-0)

Introduces and examines the social work profession and the social welfare settings in which it is practiced. Includes the historical development, central concepts and institutional nature of social welfare as well as the origins, history, values and practices of social work as a profession. This course includes a service-learning component.

SOWK 210. Human Behavior and the Social Environment I (3-3-0)

Fall.

This course integrates knowledge from biology, anthropology, sociology, and psychology to explore human development and the ways social systems, socio-cultural, political and economic forces could promote or deter the achievement and maintenance of well-being for individuals, families, groups, organizations and communities. It also examines the impact of diversity on human development and systems of all sizes. Theories of human behavior are critically evaluated and applied to engagement, assessment, intervention and evaluation of clients of all system sizes. Application is practiced using empirical evidence and service-learning experiences. The first of sequential courses, this course covers development from conception through adolescence.

SOWK 211. Human Behavior and the Social Environment II (3-3-0)

Prerequisite: SOWK 210 with a grade of C- or higher.

This course integrates knowledge from biology, anthropology, sociology and psychology to explore human development and the ways social systems, socio-cultural, political and economic forces could promote or deter the achievement and maintenance of well-being for individuals, families, groups, organizations and communities. It also examines the impact of diversity on human development and systems of all sizes. Theories of human behavior are critically evaluated and applied to engagement, assessment, intervention and evaluation of clients of all system sizes. Application is practiced using empirical evidence and service-learning experiences. The second of sequential courses, this course covers development from early adulthood through death.

SOWK 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

SOWK 301. Social Work Practice I (3-3-0)

Prerequisite: Acceptance as a social work major.

Corequisite: SOWK 301L.

Fall.

Designed to develop beginning social work skills, knowledge and values. Provides an introduction to the generalist approach, systems theory, and planned change process as utilized in work with individuals, families, groups, organizations and communities. Teaches skills in: use of self in helping role; interviewing techniques; client assessments; intervention strategies; evaluation of outcomes; and integration of these skills with knowledge of diverse racial, ethnic and cultural patterns. Stresses work with individuals.

SOWK 301L. Social Work Practice Lab I and Junior Field Instruction (2-0-6)

Prerequisite: Acceptance as a social work major.

Corequisite: SOWK 301.

Fall.

An 80 to 120 clock-hour laboratory which experientially reinforces the content of SOWK 301. Includes off-campus observation of social agencies, use of video equipment, role-playing exercises, various methods of practicing culturally sensitive generalist social work and some limited experience in a community social service setting.

SOWK 302. Social Work Practice II (3-3-0)

Prerequisites: Grade of C or higher in SOWK 301 and 301L.

Spring.

Continues development of knowledge, skills, and values for beginning generalist social work practice. Work with groups and families is stressed as well as integration of concurrent field experience.

SOWK 303. Social Work Practice III (3-3-0) [Formerly SOWK 403, not equivalent]

Prerequisite: Acceptance as a social work major.

Designed to develop knowledge, skills, and values for beginning generalist social work practice with organizations and communities (macro level practice). Teaches skills for engagement, assessment, intervention and evaluation in macro practice. Includes a service-learning component to integrate experience working with an actual community agency or project.

SOWK 366. Social Policy Analysis (3-3-0) [Formerly SOWK 368W, not equivalent]

Prerequisites: SOWK 201 or consent of instructor.

Spring.

Introduces a framework for the analysis of social policies and services. Focuses upon the variables that shape human service delivery systems. Application of analytical skills to a social policy is a required component of the course. Includes a service-learning project that is designed to develop political advocacy and lobby skills.

SOWK 374. Addiction Prevention, Treatment and Recovery (3-3-0)

Prerequisites: PSYC 201 or SOCL 205 or SOWK 201 or consent of instructor.

This course examines substance use and abuse in contemporary society. Topics are treated from a multidisciplinary perspective including biological, social, pharmacological, cultural, psychological, political, economic and legal aspects of substance abuse. Patterns of addiction, intervention and rehabilitation in respect to substance abuse also are analyzed. Assessments of the costs, options, and alternatives to addiction along with educational efforts toward prevention are examined.

SOWK 395. Special Topics (credits vary 1-3)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

SOWK 401. Field Instruction I (6-2-16)

Prerequisites: SOWK 302 with a grade of C- or higher and acceptance of field instruction application.

Fall.

A 224 clock-hour (minimum) field experience with directed engagement in generalist social work practice in one of a variety of community social service settings. Also entails a field seminar that meets weekly. Social work majors must earn a grade of C- or higher.

SOWK 402. WI: Field Instruction II (6-2-16)

Prerequisite: SOWK 401. *Corequisite:* SOWK 498.

Spring.

A 224 clock-hour (minimum) field experience with directed engagement in generalist social work practice in one of a

variety of community social service settings. Also entails a field seminar that meets weekly. Social work majors must earn a grade of C- or higher. This course partially satisfies the writing intensive requirement.

SOWK 493. Methods of Social Work Research (3-3-0)
[Formerly SOWK 393W, not equivalent]

Corequisite: SOWK 401.

Examination of the methodological problems of social research. Selection and definition of problems of investigation, research designs, data-gathering techniques, and sampling. Students will develop an original research proposal appropriate for practice or program evaluation of the field placement (to be conducted in SOWK 498).

SOWK 495. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

SOWK 498. Senior Seminar in Social Work (3-3-0)

Prerequisite: SOWK 401.

Corequisite: SOWK 402W.

Spring.

This course provides a capstone experience in seminar format aimed at comprehensive achievement of the social work program objectives. Faculty members serve as consultants and mentors as students integrate research and practice-based learning with theories for practice. Students demonstrate their ability to assess a client system; to propose a policy change and evaluation method; to analyze an ethical issue; to assess their cultural competence; to review the qualities of leadership in social work; and to demonstrate effective use of the professional change process.

SOWK 499. Independent Research or Research Internship (3-0-8)

Prerequisite: SOCL 340, SOWK 493, senior standing, a 3.00 GPA (both overall and in the major), consent of instructor and Department Chair.

Independent research allows the student to do a research project on a chosen subject under the direction of a faculty member. The research topic must be decided upon and permission of faculty member and Social Work Director secured before registration. The research internship provides the student with the opportunity of doing research in an agency or program setting. Final paper will be presented orally to the department.

OFFICE OF TEACHER PREPARATION

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Mission

The mission of the CNU Master of Arts in Teaching (M.A.T.) Program is to prepare highly qualified teachers who are licensed to teach in the Commonwealth of Virginia and in reciprocal states throughout the United States.

Five-Year Teacher Preparation Programs

CNU has teacher preparation programs leading to a B.A. (Bachelor of Arts), B.S. (Bachelor of Science) or B.M. (Bachelor of Music) and an M.A.T. (Master of Arts in Teaching). These programs qualify students for a license to teach elementary and secondary school in the state of Virginia. Application to these programs is made during the second semester of the junior year. Because course sequencing is critical to success, interested students should talk to an advisor about the Five-Year M.A.T. early in their program. The Five-Year M.A.T. will require that students take two or more graduate level courses in their senior year. Students who wish to pursue teacher preparation should consult the teacher preparation sections in the individual department (listed below) and the CNU Graduate Catalog for a description of the Master of Arts in Teaching Program.

Areas of Teaching and Required DegreesElementary, grades PK-6 Track

The grades PK-6 track requires teaching all subjects in elementary school. Any liberal arts or science major (B.A. or B.S.) is acceptable. See individual departments for list of courses needed to prepare for the M.A.T. in elementary education.

Grades PK-12 Track

- **English as a Second Language (ESL)** requires a B.A. or B.S. in any liberal arts or science major. M.A.T. ESL course requirements are listed in the Department of Modern and Classical Languages and Literatures.
- **Music, Choral or Instrumental** requires a B.M. in music with either the pre-certification choral concentration or pre-certification instrumental concentration.
- **Spanish** requires a B.A. in foreign languages and literatures with a Spanish major.
- **Visual Arts** requires a B.A. in fine and performing arts with a studio art concentration.

Grades 6-12 Track

- **Biology** requires a B.S. in biology, any concentration.
- **Chemistry** requires a B.S. in chemistry.
- **English** requires a B.A. in English, without a declared concentration is recommended.
- **History and Social Science** requires either a B.A. in history, a B.A. in political science or a B.A. in interdisciplinary studies with an American studies major.
- **Mathematics** requires either a B.S. or B.A. in mathematics.
- **Physics** requires a B.S. in computer foundations with an applied physics major.

See individual departments for specific requirements.

DEPARTMENT OF THEATER AND DANCE

Dr. Laura Grace Godwin, Chair
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Faculty

Associate Professor: Gillman, Godwin, Jaremski,
 G.Lloyd, Mazzocca, Sweet
Assistant Professor: Ruffer, Stetkevych
Lecturer: Ishee, L. Lloyd, Shuhy
Emeriti: Hillow, Wood

Mission Statement

- To **OFFER** our students the means to become a liberally educated person of the theater;
- To **PROVIDE** an intellectually and artistically stimulating environment in which to study the art of theater within a liberal arts context;
- To **PRACTICE** the art of theater by actively engaging in a search for vital connections between theater's role in the past and present, and its future purpose in the world;
- To **PREPARE** our students for success at the finest graduate schools and the world of professional theater;
- To **BROADEN** our students' understanding of society and culture by exploring personal expression through a variety of theatrical disciplines;
- To **ENRICH** our students awareness and appreciation for the art of theater as central to the liberal arts;
- To **SERVE** as a major artistic and cultural resource for Christopher Newport University and the greater Hampton Roads community.

For more than twenty-five centuries the art of theater has illuminated human feeling and behavior. A self-rewarding humanist discipline, the study of theater stimulates self-knowledge, intensifies social awareness, encourages interdisciplinary collaboration and holds a vital place in liberal arts education. The Department of Theater and Dance offers a Bachelor of Arts degree in fine and performing arts with a major in theater, a minor in theater as well as a minor in dance.

A theater education at CNU combines hands-on experience in all aspects of stagecraft—acting, directing, playwrighting, music-theater/dance, design/technical theater, stage management and theater management with a critical appreciation of dramatic literature. A rigorous yet flexible curriculum balances classroom study with practical production application. Our production season includes four ambitious mainstage offerings and between five and eight second-stage and experimental productions.

The Department of Theater and Dance, which produces under the banner TheaterCNU, *practices professionalism*. Through small classes, attentive advising and active collaboration, the faculty of professional theater artists, scholars and practitioners mentor the artistic development and academic progress of each student. The Department of Theater and Dance prepares its graduates for a variety of professional opportunities, graduate study and careers in theater education.

The Department of Theater and Dance is housed in CNU's Ferguson Center for the Arts: a state-of-the-art performance and teaching facility housing two theaters of 440 and 125 seats, along with scenic and costume shops, design labs, dance and rehearsal studios, classrooms and theater library.

The Department of Theater and Dance is accredited by the National Association of Schools of Theatre (NAST) and holds students to high artistic standards, collaborative conduct and scholastic achievement. The program requires incentive and commitment—in the classroom, the rehearsal hall, backstage and in performance. The program expects all students to embrace appropriate discipline and professional conduct. These expectations, policies and practices are clearly articulated in the *TheaterCNU Handbook*. The *Handbook* is updated each year and is used in conjunction with this catalog when framing a student's course of study in theater. The Department of Theater and Dance offers various levels of artistic skill-based classes. Students frequently find it valuable and desirable to take some of these upper-level classes a second time in order to enhance skill in a particular area such as design, acting, and dance. The department offers students the opportunity to retake many of these upper-level skill classes for additional credit. The expectations, assessment procedures, and grading of these classes is done on a case-by-case basis and is designed to best accommodate and serve the student repeating a class. The classes currently designated as *repeatable for credit* are: THEA 130, 200L, 250L, 336, 351, 354, 356, 370, 380, 381, 430, 438, 452, 456, 491, 498; DANC 204, 304, 330, 381, 430.

Students wishing to retake any of these classes should consult their academic advisor prior to registration.

The Bachelor of Arts degree in Fine and Performing Arts Theater Major

In addition to successfully completing the liberal learning curriculum requirements, the theater major requires the following courses:

1. Degree-seeking students pursuing the major in theater must achieve a minimum grade point average of 2.50, with no grades below C- in all required courses for the major. Please be advised that these standards exceed university minimums.
2. Degree-seeking students in theater must choose a concentration, before the fall semester of the junior year. The Department of Theater and Dance offers five concentrations, each with additional course requirements, in the following disciplines:
 - Acting
 - Arts Administration
 - Design/Technical Theater
 - Directing/Dramatic Literature
 - Music-theater/Dance
 - Theater Studies
3. Students who wish to graduate with two or more concentrations must complete a senior thesis for each concentration.

Acting Concentration

Students entering the acting concentration undergo the challenging rigors of actor training and rehearsal to expand and extend their own expressive capabilities through performance. Opportunities to perform include mainstage plays and musicals, one-act festivals in the Studio Theater, student-directed scenes and one acts, and occasional roles at regional commercial venues. Grading policy in studio courses emphasizes focused participation and meaningful progress in conjunction with inherent talent and acquired skill. Production and class critiques provide an open forum to provide feedback and acknowledge strengths and discoveries.

In addition to satisfying the liberal learning curriculum the acting concentration requires the following courses:

1. Theater Core:
 - THEA 232, 250, 252, 310, 311, 498;
 - Three Semesters of THEA 250L;
2. THEA 332, 333, 334, 430[^], 432;
3. Select one: THEA 258, 338 or 431;
4. Twelve additional hours of approved THEA or DANC electives;
5. Performance participation in at least three approved public performances;
6. Successful completion of the Theater Graduation Examination.

[^] Repeatable for credit

Arts Administration Concentration

The arts administration concentration is an interdisciplinary course of study that provides students with learning experiences in multiple fields within a liberal arts context. This diverse course of study seeks to instill the student-artist with the business savvy necessary to succeed in our highly competitive marketplace, and to free the business student to think and work more creatively. The arts administration concentration prepares students for graduate study or a career in arts leadership.

In addition to satisfying the liberal learning curriculum the arts administration concentration recommends a minor in business. The concentration requires the following courses:

1. Theater Core:
 - THEA 232, 250, 252, 310, 311, 498;
 - One Semester of THEA 250L*;
 - Two semesters of THEA 200L*;
2. THEA 200, 451, 492, ACCT 201, BUSN 302, ENGL 353W, 454W, LDSP 240;
3. Select one: BUSN 340, COMM 322, CPSC 216, POLS 371W;
4. Successful completion of the Theater Graduation Examination.

* Two semesters of THEA 200L replaces two semesters of THEA 250L in the Theater Core.

Design/Technical Theater Concentration

The theatrical design arts – scenography, costume design, lighting, sound and make-up – define setting, mood and style, giving sensory life to the spectacle of drama. The design/technical theater concentration equips students to approach plays with both imagination and technical expertise – from research and conceptualization to drafting and execution. The technical theater component offers hands-on training and experience in the backstage operations of theater production and in the craft of stage management.

In addition to satisfying the liberal learning curriculum the design/technical theater concentration requires the following courses:

1. Theater Core:
 - THEA 232, 250, 252, 310, 311, 498;
 - Three Semesters of THEA 250L;
2. THEA 150, 351, 354[^], 356[^], 452[^];
3. Fifteen additional hours of approved THEA or DANC electives;
4. Design and/or Technical assignments in at least three approved public performances;
5. Successful completion of the Theater Graduation Examination.

[^] Repeatable for credit

Directing/Dramatic Literature Concentration

Emphasizing critical inquiry, scholarship, script analysis and practical studio application, students work to develop mastery in the close reading and imaginative realization of plays. Augmented with courses in English, the directing/dramatic literature concentration approaches texts and trends in a variety of contexts, with persuasive relationships to the world outside the theater. This concentration prepares students to undertake graduate study or professional training in directing, literature and criticism, playwriting or dramaturgy.

In addition to satisfying the liberal learning requirements the directing/dramatic literature concentration recommends: ENGL 421 and 352. The concentration requires the following courses:

1. Theater Core:
 - THEA 232, 250, 252, 310, 311, 498;
 - Three Semesters of THEA 250L;
2. ENGL 308W;
3. THEA 333, 336[^], 451;
4. Select two: THEA 346, 361W, 365W, 368W, 461W;
5. Twelve additional hours of approved THEA or DANC electives;
6. Successful completion of the Theater Graduation Examination.

[^] Repeatable for credit

Music-Theater/Dance Concentration

The music-theater/dance concentration demands the energy, discipline and dedication to pursue simultaneous studies in acting, vocal performance and dance.

In addition to satisfying the liberal learning curriculum and theater core requirements, the musical theater/dance concentration recommends a dance minor and requires the following courses:

1. Theater Core:
 - THEA 232, 250, 252, 310, 311, 498;
 - Three Semesters of THEA 250L;
2. MUSC 115, 116, 135, 200, 209, 210, 211, 212;
3. Eight credit hours of THEA 130;
4. Successful completion of THEA 130 Voice Jury in the first semester freshman year as adjudicated by the Theater faculty;
5. THEA 333, 346; DANC 330[^], 430[^];
6. Six additional hours of approved THEA, DANC or MUSC electives;
7. Performance participation in at least three approved public performances;
8. Successful completion of the Theater Graduation Examination.

[^] Repeatable for credit

Theater Studies Concentration

The theater studies concentration gives students a comprehensive experience, equally combining theoretical and practical courses. The curriculum is purposefully flexible allowing students to choose from the wide range of sub-disciplines in theater. While students will pursue their individual theatrical interests they do so within the context of a broader understanding of theater, which opens the mind to larger questions of psychology, social identity and history. Students are encouraged to augment their studies with cognate disciplines such as music, art, English, history, philosophy, religious studies, mathematics or foreign languages. The theater studies concentration prepares students for graduate study in theater criticism, history, and scholarship.

In addition to the liberal learning curriculum the theater studies concentration will require the following courses:

1. Theater Core:
 - THEA 232, 250, 252, 310, 311, 498;
 - Three Semesters of THEA 250L;
2. THEA 336;
3. Select one: THEA 354[^], 356[^] or 452[^];
4. Select one: THEA 261, 361W, 370 or other upper level theater literature course;
5. Fifteen additional hours of approved THEA or DANC electives, of which there can be a maximum of six credits of performance classes, a maximum of six credits of design classes and a maximum of six credits of dance classes;
6. Successful completion of the Theater Graduation Examination.

[^] Repeatable for credit

Theater Graduation Examination

Successful completion of the theater program requires each student to pass a practical examination prior to graduation. See *Theater Handbook* for detailed descriptions and specific requirements for each concentration.

Theater Literature

The theater reading list includes important dramatic literature that provides necessary background for the aspiring artist or educator. This list in addition to the reading required for specific concentrations, serves as the basic curriculum for the Department of Theater and Dance.

- Core Curriculum Reading List
David Ball, *Backwards and Forwards*
Sophocles, *Oedipus Rex*
Euripides, *Medea*
Hrosvitha, *Dulcitudes*
Shakespeare, *Richard III*, *Hamlet*, *The Tempest*, *Twelfth Night*
A. Behn, *The Rover*
Sheridan, *The Rivals*
Corneille, *The Cid*
Moliere, *Tartuffe*

Ibsen, *A Doll House*
 Anton Chekhov, *The Seagull*
 Bertolt Brecht, *Galileo*
 Pirandello, *Six Characters in Search of an Author*
 Beckett, *Waiting for Godot*
 Mamet, *Oleanna*
 Williams, *A Streetcar Named Desire*
 Miller, *Death of a Salesman*
 Parks, *Topdog/Underdog*
 A. Wilson, *Fences*
 Fugard, *Master Harold and the Boys*
 Kushner, *Angels in America (Parts I & II)*
 Bernstein, Sondheim, Robbins, *West Side Story*
 Rodgers & Hammerstein, *Oklahoma!*
 Kander & Ebb, *Cabaret*

- Acting Reading List
 Shurtleff, *Audition*
 Benedetti, *The Actor at Work*
 Stanislavski, *An Actor Prepares*
 David Ball, *Actor's Checklist*
 Hagan, *Respect for Acting*
- Music-Theater / Dance Reading List
 Shurtleff, *Audition*
 Benedetti, *The Actor at Work*
- Design / Technical Theater Reading List
 J. M. Gillette, *Theatrical Design & Construction*
- Directing / Dramatic Literature Reading List
 David Ball, *Backwards and Forwards*
 William Ball, *Sense of Direction*
- Arts Administration Reading List
 William J. Burnes, *Management and the Arts*

The Minor in Theater (16 credits)

The theater minor requires successful completion of the following courses **with no grades below C-**. Please be advised that these standards exceed the University minimums. In addition to assuming successful completion of all liberal learning curriculum and major degree requirements, the minor program in theater requires the following courses:

1. Select one: THEA 230 or 232;
2. Select one: THEA 250 or 252;
3. Select one: THEA 200L or 250L;
4. THEA 310;
5. Three additional hours of THEA electives at the 200-level or higher;
6. Three additional hours of THEA electives at the 300-level or higher.

The Minor in Dance (16 credits)

The dance minor, offered through the Department of Theater and Dance, allows students to pursue formal dance study while completing a degree in another major area of

study. The program is designed to appeal to a broad spectrum of students who may utilize the minor to complement their major studies. Potential career opportunities aligned with dance exist for students majoring in music, masters of education, theater, communication, and others. Sixteen credits are required for completion of the dance minor with three credits of the theoretical component, twelve credits of the movement component, and one credit of performance and/or production. Consistent with all areas of study in the Department of Theater, students must maintain a **minimum grade point average of 2.50, with no grades below C- in all required courses in the minor**. Please be advised that these standards exceed university minimums.

In addition to successful completion of the liberal learning curriculum, the minor program in dance requires the following courses:

1. One ballet course (3 credits): DANC 204[^], 304[^] (DANC 204 may be repeated if competency is not achieved);
2. Jazz or modern (3 credits): DANC 205 or 206;
3. Select two additional studio courses (6 credits): DANC 205, 206, 304, 306, 330[^], or 360;
4. Select one theoretical (3 credits): DANCE 240, 260, or 340W;
5. Select one performance (1 credit) and/or production course: DANC 381[^].

[^] Repeatable for credit

THE CURRICULUM IN DANCE

DANC 195. Special Topics in Dance (3-3-0)

Topics vary, determined by the special interests and needs of the students and the expertise of faculty.

DANC 204. Ballet I (3-3-0) AICE

[Formerly THEA 144, equivalent]

In this course students will explore the basic vocabulary and techniques of the classical ballet. Through practical application students will learn the historical foundations and development of this dance form. In this physically rigorous course students will be in the studio and dancing each class.

This course is repeatable once for a total of six credits.

Proper attire and footwear required. May require attendance of productions outside of scheduled class times.

DANC 205. Classic Jazz Technique (3-3-0) AICE

[Formerly THEA 145, equivalent]

This course will explore the basic elements of classic jazz dance from its roots in African and Latin dance to its development into an intrinsically American dance form. Utilizing the concepts and techniques of Luigi, Matt Mattox, Gus Giordano, Jack Cole, and others, the student will learn the basics of jazz dance and how these disparate elements are integrated into jazz technique. In this physically rigorous class students will be in the studio working each session.

Proper attire and footwear are required. May require attendance of productions outside of scheduled class times.

DANC 206. Modern Dance I (3-3-0) AICE

Fall and Spring.

In this course students explore dance within the umbrella term of modern dance. A practical and rigorous physical course, students will be introduced to a variety of approaches to modern and contemporary postmodern techniques for movement and creative decision making. Students will be in the studio and dancing each class in addition to engaging in readings and discussions providing historical, creative and anatomical support for approaches to modern dance techniques. Previous dance experience is helpful but not necessary. May require attendance of productions outside of scheduled class times.

DANC 240. Dance Composition (3-3-0)

[Formerly THEA 249, equivalent]

Prerequisite: DANC 204, 205 or 206 or consent of instructor.

Alternate years.

The purpose of this bimodal course is to explore the rhythmic, melodic and harmonic systems of music and to examine the basic concepts of music and dance theory and composition. Students will investigate the relationship between music and dance and examine differing ways in which each discipline can work independently of, yet complement, the other. May require attendance of productions outside of scheduled class times.

DANC 260. African Dance in the Diaspora (3-3-0) AIGM

Fall.

This course is an introduction to the history, socio-political context, and contemporary practice of sacred and secular dance traditions in the African Diaspora specifically in Brazil, Haiti, Cuba and the United States. We will trace the dominant roots and routes from West and West Central Africa contrasting the intra-African cultures present in these various Diaspora dance communities as well as the differences that resulted from diverse colonial histories. The course content will emerge through readings, dance sessions in the studio including singing, viewing films and videos, participative lectures and discussions, writing and other creative projects. No prior dance experience necessary. May require attendance of productions outside of scheduled class times.

DANC 295. Special Topics in Dance (3-3-0)

Topics vary, determined by the special interests and needs of the students and the expertise of faculty.

DANC 304. Ballet II (3-3-0)

[Formerly THEA 244, equivalent]

Prerequisite: THEA 144 or DANC 204 or consent of instructor.

This course builds upon the vocabulary and technique of classical ballet presented in Ballet I. The course will emphasize proper alignment and carriage of the body,

complex technical exercises, and expanded repertoire. In this physically rigorous course, students will be in the studio and dancing each class. Proper attire and footwear required. **This course can be repeated twice for a total of nine credits.** May require attendance of productions outside of scheduled class times.

DANC 306. Modern II (3-3-0)

Prerequisite: DANC 206 or consent of instructor.

This course builds upon the vocabulary and technique of contemporary postmodern dance presented in Modern I. A practical and rigorous physical course, students will develop their technique of modern and contemporary postmodern dance through exercises, expanding phrase work, choreography, and improvisation. Students will be in the studio and dancing each class in addition to engaging in readings and discussions providing historical, creative, and anatomical support for approaches to modern dance techniques. May require attendance of productions outside of scheduled class times.

DANC 330. Dance Styles for the Musical Theater (3-3-0)

[Formerly THEA 344, equivalent]

Suggested prerequisite: THEA 144 or DANC 204.

Alternate years.

In this course students explore the basic dance vocabularies traditionally found in musical theater. A practical and rigorous physical course, students will be introduced to a variety of dance styles including but not limited to, jazz, tap and ballet. Students will be in the studio and dancing each class. Previous dance class helpful but not necessary. **This course is repeatable twice for a total of nine credits.** May require attendance of productions outside of scheduled class times.

DANC 340. WI: Dance History and Contemporary Perspectives (3-3-0) [Formerly THEA 349, not equivalent]

Prerequisite: ENGL 223.

By exploring the works of the traditional and contemporary repertoires, this course will examine the historical importance of dance in various cultures. From religious ritual to social outlet to communication medium to marketing tool, dance has embodied a variety of purposes and functions through the ages. Concentrating primarily on western European dance traditions, the course will study the impact of ritual, liturgical and social dance traditions and how these traditions have influenced our contemporary dance society and set the expectations for the directions that dance is following today. May require attendance of productions outside of scheduled class times.

DANC 360. Afro-Caribbean Dance (3-3-0) AIGM

Prerequisite: ENGL 123.

This course acts as an introduction to Afro-Caribbean folkloric dance performance and its context. A physically rigorous course, students will dance every day. Through supplemental readings, discussions, writing assignments, and

creative projects, students will gain a deeper understanding of the African nations where the dances have their origins, the nature of the syncretized or creolized culture from which the dances arose, the ritual purpose the dances serve in their communities, and the history of their performance. Previous dance experience helpful but not necessary. May require attendance of productions outside of scheduled class times.

DANC 381. Production Dance (Credits vary 0-1)

Prerequisite: Consent of instructor.

All CNU students may perform in mainstage productions (See *Theater Handbook* for audition details). All full-time students who are cast in the TheaterCNU's annual dance concert must enroll in DANC 381. Students who accompany the dance concert in an area of theatrical production or as choreographers may also enroll in DANC 381. (Number of credits, 0 or 1, to be determined by the program director in consultation with the student and the Department Chair.)

This course is repeatable for a maximum of three credits.

DANC 395. Special Topics in Dance (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of the students and the expertise of faculty.

DANC 430. Advanced Dance Styles/Musical Theater (3-3-0) [Formerly THEA 444, equivalent]

Prerequisite: THEA 344 or DANC 330 or consent of instructor.

Alternate years.

For students advancing on the musical theater/dance concentration, this rigorous dance class will focus on the variety of jazz dance styles typical of the American musical theater. Through choreographed exercises and projects, students experience how theatrical dances enhance story, character, mood and period. **This course is repeatable twice for a total of nine credits.** May require attendance of productions outside of scheduled class times.

DANC 495. Special Topics in Dance (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of the students and the expertise of faculty.

DANC 499. Independent Study in Dance (3-3-0)

Prerequisite are determined by and with the consent of the instructor.

Topics vary, determined by the special interests and needs of the students and the expertise of faculty.

THE CURRICULUM IN THEATER ARTS

Design: THEA 150, 254, 257, 258, 351, 353, 354, 355, 356, 359, 452, 456.

Literature: THEA 361W, 365W, 368, 370.

Performance: THEA 130, 230, 232, 233, 332, 334, 338, 430, 431, 432, 438.

THEA 130. Private Voice (Credits vary 1-2)

Prerequisite: Theater major; consent of instructor and Chair of Theater.

Fall and Spring.

For one credit hour students receive one 25-minute lesson per week. For two credit hours students receive one 50-minute lesson per week. THEA 130 is for students pursuing the music-theater/dance concentration. The repertoire for all lessons is determined by the instructor according to the level and ability of the student. A fifteen-minute hearing is required at the completion of the class to determine whether or not the student may continue private voice. This course requires attendance at a weekly 50-minute master class known as Vocal Repertory. **These individualized lessons may be repeated for a maximum of eight credits.** An applied fee is charged each semester (see fees and financial information).

THEA 150. Drawing and Drafting for the Stage (3-3-0) AICE

Drawing is a fundamental communication skill that lies at the heart of the theatrical design process. Conceiving of an idea and communicating it visually are cornerstone abilities for all designers of costumes, scenery, lighting and props. Drawing for the stage will develop in every student the ability to draw, regardless of initial skill level, and it will deepen the student's sense of fluency in this visual language. Sketching, figure drawing, perspective drawing and drafting will be emphasized. This class is open to freshman and will satisfy the FNAR 218 requirement for theater majors with a design/tech emphasis. Lab fees apply each term.

THEA 195. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

THEA 200. Principles of Arts Administration (3-3-0)

Alternate years.

This course provides an overview of topics encountered in the administration of nonprofit arts organizations, including: leadership and team management; organizational development and management and financial management. Students are expected to participate in courses as self-directed learners, contributing through: team work and oral

presentations; in-class discussions; self-reflection through journalizing; and peer-review. This is a course designed for students who have a strong desire to actively participate in the learning process.

THEA 200L. Arts Administration Practicum (1-0-1)

Restricted to theater majors or minors.

Fall and Spring.

Laboratory experience to supplement THEA 200 and to provide students with practical understanding, appreciation, and hands-on training in arts administration. This hands-on experience also gives students the opportunity to assume a variety of essential responsibilities directly tied to theatrical promotion. **This course is repeatable seven times for a maximum of eight credits.**

THEA 210. The Dramatic Impulse (3-3-0) AICE

Restricted to non theater majors.

Fall and Spring.

In its long evolution the drama has provided a stage for religious celebration, civic debate, social propaganda, moral persuasion and artistic storytelling in a rich range of styles. Through close reading of representative plays students will develop and practice skills in critical reading, thinking and writing. THEA 210 focuses on the study of dramatic texts in the context of performance and examines the history of western theatre. This course may require attendance of TheaterCNU productions. This class is intended for non-majors.

THEA 230. Practical Acting: From Broadway to Boardroom (3-3-0) AICE

Acting is not pretending. Acting is living truthfully under artificial circumstances. It is playing different roles as defined by differing situations and relationships. It is, in short, an everyday activity. Learning to move and speak, analyze and create, and understand the motivations of others, are skills valuable off stage as well as on. This course endeavors not only to give the student a greater understanding of the actor's art, but a grasp on how the actor's skills may be applied to everything from the boardroom to the classroom, from a job interview to psychological role-playing. May require attendance of TheaterCNU productions outside of scheduled class times.

THEA 232. Acting I (3-3-0)

Prerequisite: Declared theater major.

For Theater majors. The art of acting tunes the body and opens the voice, sharpens awareness and inspires generosity. Through safe play and rigorous exercise, this introduction to acting explores ensemble viewpoints and soundwork, being present, developing a personal warm-up, making and accepting offers through improvisation, and various approaches to handling text. For majors only, this course emphasizes participation and progress in conjunction with performance expectations. May require attendance of TheaterCNU productions outside of scheduled class times.

THEA 250. Scene Design and Technology (3-3-0) AICE

Recommended Pre or Corequisite: THEA 250L.

Fall and Spring.

The student will study important visionary theater designers, artists and theorists, and how their visions made and make a significant impression on the art of theater and performance. Through practical experience, connections are made between written and drawn artistic concepts and realized images. Students learn to interpret the artistic expectations of the designer as they engineer scenery. Fundamentals of scenery construction, stage lighting and production techniques in the contemporary theater are practiced. By the completion of this class, the student has participated in Theater Department production assignments and has also completed several significant personal projects including participation in the design process which is central to the art of theater. Class includes a competency checklist. Lab fees apply each term.

THEA 250L. Backstage Practicum (1-0-3)

Pre or Corequisite: THEA 250 or 252.

Fall and Spring.

Laboratory experience to accompany THEA 250 and to provide students with practical understanding, appreciation and hands on training in all areas of theatrical production. This hands-on experience also gives students the opportunity to assume a variety of essential artistic and administrative responsibilities directly tied to practical theatrical production. Assignment and assessment is managed by the CNU Technical Director in consultation with the Director of Theater. **This course is repeatable seven times for a maximum of eight credits.**

THEA 252. Costume Design and Technology (3-2-3)

Fall and Spring.

This course introduces the student to basic costume construction techniques. Students learn principles of patterning, sewing, fabrics and fabric treatments. Required lab hours provide hands-on experience with construction techniques and many other aspects of the working costume design and construction studio. By the completion of this class, the student has participated in Theater Department production assignments and has also completed several significant personal projects including participation in the creative processes of costume design which is central to the art of theater. Lab fees apply each term.

THEA 254. Rendering for the Theater (3-3-0)

Prerequisite: THEA 150 or FNAR 118.

A studio class where students will learn about color mixing, watercolor, colored pencil, pen and ink and various other artist's mediums. Using these tools students will create a variety of different textures and drawings that can be added to their artistic portfolios. This class will also cover types of paper and some experimental techniques for special effects.

THEA 257. Stage Mechanics: Rigging and Metal Work (3-3-0)

Prerequisite: THEA 250 with a C- or better.

The term mechanic relates to work or skill. Ergo, stage mechanics is any work or skill applied to theater. This session will concentrate on the mechanics of rigging and metal working. Rigging topics include studies or rope, wire rope, rigging systems mechanical advantage, trusses, and load bearing structural force. Metal work topics include theoretical concepts, layout and fabrication, welding, cutting, grinding and problem solving. Throughout this class safety and environmental awareness will be emphasized. May require attendance of TheaterCNU productions outside of scheduled class times.

THEA 258. Makeup for the Theater (3-3-0)

Alternate years.

This practical workshop introduces students to the basic principles of theatrical makeup design and application. Students will investigate the makeup design process through research, character analysis, production concept, rendering and actualization.

THEA 295. Special Topics (3-3-0)

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

THEA 310. Theater History I (3-3-0)

Restricted to theater majors and minors.

Prerequisite: ENGL 223.

This course explores Western theater history from the 5th century BCE to 1600 CE. The theater arts will be contextualized within the geographical, political, literary, artistic, economic, legal, and philosophical cultures that produced them. Students will identify continuities and distinctions between the theatrical and artistic cultures reviewed in the course in addition to developing an understanding of the relevance and importance of theater history to the art as it is practiced today. This course may require attendance at TheaterCNU productions.

THEA 311. Theater History II (3-3-0)

Restricted to theater majors and minors.

Prerequisite: THEA 310.

This course explores Western theater history from 1600 to 1900. The theater arts will be contextualized within the geographical, political, literary, artistic, economic, legal, and philosophical cultures that produced them. Students will identify continuities and distinctions between the theatrical and artistic cultures reviewed in the course in addition to developing an understanding of the relevance and importance of theater history to the art as it is practiced today. This course may require attendance at TheaterCNU productions.

THEA 332. The Actor's Voice (3-3-0)

Prerequisite: THEA 232.

Fall.

An essential element of the actor's education, this studio course provides concentrated training in vocal production for the stage. Combining exercises in relaxation, breathing and projection with flexible approaches to speech and text, students develop techniques to break down acquired habits, neutralize regional inflections, and liberate the natural voice as an expressive instrument of range, power and emotional truth.

THEA 333. Acting II (3-3-0)

Prerequisite: THEA 232 with a grade of C- or higher.

The next step in the acting sequence, emerging actors will deepen their exploration of the fundamentals of the actor's craft in relation to realistic texts, performing scene work within emotionally invested circumstances, improving sending and receiving skills, playing objectives and actions clearly, and applying text analysis techniques, including preparing a monologue and professional materials. May require attendance of TheaterCNU productions outside of scheduled class times.

THEA 334. The Actor's Body (3-3-0)

Prerequisite: THEA 232.

Fall.

This studio course will introduce actors in training to the physical language of expressive stage movement. Through structured exercises and non-verbal improvisation, students will develop heightened awareness of their bodies as flexible instruments of theatrical focus, gesture and characterization.

THEA 336. Fundamentals of Play Directing (3-1-4)

Prerequisites: THEA 232 and sophomore status.

Spring.

In this practical introduction to the craft and complexity of stage directing, students will investigate the empty stage space, learn to manipulate elements of composition and blocking, and explore the basic vocabulary of storytelling in the theater – focusing on the clarity and impact of stage pictures. Students keep a journal of their directorial notes and progress. **This course is repeatable twice for a total of nine credits.**

THEA 338. Introduction to Stage Combat (3-2-2)

Prerequisite: THEA 232.

Stage combat is the art of creating the illusion of violence on stage, or, to quote Bruce Lee from *Enter the Dragon*, "Fighting without fighting". As with the study of martial arts, the study of stage combat must begin with empty-hand, or unarmed, combat to master the use of our own bodies before moving on to the use of weapons. This class explores the governing concepts and principles of safety and dramatic effect applicable to all combat styles, armed and unarmed, through instruction in a myriad of unarmed techniques. These

techniques include falls, rolls, punches, kicks, grabs, blocks and avoidances. Yet in the end, staged violence must support the greater needs of story and character, thus great emphasis is placed on *acting the fight*. Please note, this class is physically demanding and requires appropriate athletic attire.

THEA 346. History of Musical Theater (3-3-0)

The evolution and variety of the musical theater genre from its melting-pot origins in minstrelsy, operetta, vaudeville and immigrant street song to the distinctly American post-war Broadway musical. Largely shaped by the genius of Gershwin, Kern, Rodgers and Hammerstein, Bernstein, Sondheim and Lloyd Webber, the contemporary musical continues to explore new forms of expression on the world stage. This course will consider the books and scores of selected musical theater highspots, including *Showboat*, *Oklahoma*, *West Side Story*, *Candide*, *Jesus Christ Superstar* and *Sweeney Todd*.

THEA 351. Tech Theater II (3-1-6)

Prerequisite: THEA 250.

Spring.

Tech Theater II is an intensive class offered for the dedicated student of Theater. The course format combines studio and practicum with integrated lecture. The necessary construction and scenic studio time will be scheduled individually in order to fabricate the required assignments. This course requires students to further develop the skills and techniques addressed in THEA 250. This includes but is not limited to, welding, drafting and fundamentals of technical direction such as planning, estimating, and time management. Students will be given greater latitude and greater responsibility as they improve technical competency and learn the use of more exotic tools and practices. May require attendance of TheaterCNU productions outside of scheduled class times. **This course is repeatable twice for a total of nine credits.**

THEA 352. Art, Clothing and Society (3-3-0) AICE

Prerequisite: ENGL 223.

An investigation into the history of clothing and how economics, religion, art and politics helped shape what people wore. Students will study artists and their work to understand the clothing of past periods. Students will also study how the politics, religion and society affected not only the fine arts but also the clothes people would wear.

THEA 353. Scene Painting (3-2-2)

Prerequisite: THEA 250 or consent of instructor.

Scene painting is a studio class which examines the art and craft of painting scenery and properties for the stage. Lecture demonstrations focus on the tools, techniques and materials of the scenic artist's discipline. In addition to supporting departmental productions, assignments will include wood graining, marbling, grid transfers, architectural trompe l'oeil painting, aging, stenciling and tie dying. As is the case with many studio and art classes, students will be required to

purchase their own lining brushes, sponges, charcoal and other supplies. May require attendance of TheaterCNU productions outside of scheduled class times. Lab fees apply each term.

THEA 354. Scene Design (3-2-2)

Prerequisite: THEA 150 or consent of instructor.

Alternate years.

A theoretical and practical introduction to the art and craft of scenic design in the theater. Students will explore the collaborative design process as it evolves from script to sketch to model, and will learn to communicate through drawing, drafting, rendering and model-making. May require attendance of TheaterCNU productions outside of scheduled class times. **This course is repeatable twice for a total of nine credits.**

THEA 355. Sound Design (3-3-0) AICE

Prerequisite: Sophomore standing or above.

Alternate years.

A theoretical and practical introduction to the art, craft and technology of contemporary sound design for the theater. Students learn to articulate a theatrical vision of sound based on script analysis and collaboration. Sound design software tools are utilized in arranging and manipulating the mechanics of sound. May require attendance of Theater CNU productions outside of scheduled class times.

THEA 356. Lighting Design (3-2-2)

Prerequisite: THEA 250 or consent of instructor.

An introduction to the art, craft and technology of contemporary lighting design for the theater. Students will learn to articulate a theatrical vision of lighting based on script analysis and collaboration, and how to manipulate lighting mechanics to realize that vision on stage. Lab hours require participation in a TheaterCNU productions. May require attendance of TheaterCNU productions outside of scheduled class times. **This course is repeatable twice for a total of nine credits.**

THEA 359. Designing in CAD (3-3-0)

Prerequisite: Sophomore standing.

This course introduces students to the operation of a Computer Aided Drafting system and reinforces drafting and design standards. Competency will be developed in the use of straight lines, curved lines, complex curves, dimensions, tolerances and terminology associated with CAD. This course also offers introduction to 3D modeling techniques, CAD and spreadsheets specific to the Lighting Designer, as well as a discussion of advanced computer tools in all Theatrical technical areas. Lab fees apply each term.

THEA 365. WI:Playwriting (3-3-0) AICE

[same as ENGL 365] [equivalent to THEA 468W]

Prerequisite: ENGL 223 with a C- or higher.

What makes a story a script? What makes a script

stageworthy? Building from simple scenarios, scores and situations, students will develop a playwright's vocabulary in the areas of dramatic form and theatrical expression, include principles of structure, action dialogue, spectacle and character. Students will work through multiple drafts to produce an original one-act play. This course partially satisfies the writing intensive requirement.

THEA 368. WI: Science on the Stage (3-3-0)
[Formerly THEA 261- Not equivalent]

Prerequisite: ENGL 223 with a C- or higher.

Alternate years.

This course explores through reading, discussion and research the symbiotic relationship between the sciences and the performing arts, and specifically, what unique factors make the dramatic text and the theatre an ideal medium to tell the challenging story of scientists and scientific knowledge. As E.O. Wilson states in his 1998 book *Consilience*, "The greatest enterprise of the mind has always been and always will be the attempted linkage of the sciences and the humanities". This class will explore the cultural factors and paradigm shifts within the scientific and artistic communities that have created a flowering of contemporary dramatic works such as *Arcadia*, *Proof*, and *Copenhagen* that explore the scientist and scientific knowledge as a central dramatic metaphor. This course partially satisfies the writing intensive requirement.

THEA 370. A Movable Feast (3-3-0)

Summer.

This class offers the student of theater the opportunity to intensively study theatrical experiences by traveling to one of the world capitals of live theater, such as London or New York, and attending plays and related activities over a two-week period after the regular school year. Based upon the specifics of the individual trip, a text, additional reading selections, and a term paper assignment will supplement the on-site activities. Class meetings prior to the trip will orient the student to the trip's academic component and trip logistics, and on-site class meetings will sharpen the critical focus of scheduled activities. Costs for travel, accommodations, activities and tuition and a schedule for payment will be published well in advance of each trip. **This course can be repeated once for a maximum of six credits.**

THEA 380. Production (credits vary 0-3)

Prerequisite: consent of instructor.

Fall and Spring.

All CNU students may perform in mainstage productions (see *Theater Handbook* for audition details). All full-time students who are cast in TheaterCNU mainstage productions must enroll in THEA 380. (Number of credits to be determined by the production director). **This course is repeatable for credit, but only six credit hours may count toward graduation.**

THEA 381. Production in Dance (credits vary 0-2)

All CNU students may perform in mainstage productions. Full-time students whose work on stage may be categorized as dance or contains a significant dance component may seek elective credit for their participation, one or two credits per show to be determined by the director. **This course is repeatable for credit for a maximum of three credits.**

THEA 395. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

THEA 430. Acting III (3-3-0)

Prerequisite: THEA 333.

Concentrated practice in the analysis, preparation, rehearsal, performance and critique of exemplary scenes from selected plays. May require attendance of TheaterCNU productions outside of scheduled class times. **This course is repeatable twice for a maximum of nine credits.**

THEA 431. Styles of Acting (3-3-0)

Prerequisite: THEA 333.

In this advanced actor's workshop, students will confront the necessary challenges and problems of playing particular periods and styles on the contemporary stage, from the heightened formality of classical and neoclassical tragedy and comedy to the expressionistic freedoms of avant-garde theater. May require attendance of TheaterCNU productions outside of scheduled class times.

THEA 432. The Actor's Voice II—Verse and Text (3-3-0)

Prerequisite: THEA 332.

Spring, alternate years.

For advancing students in the Performance and Music Theater concentrations, this course expands the principles and intensifies the discipline of THEA 332 including explorations into heightened language verse and poetry. This course places emphasis on vocal power and articulation as well as understanding scanning and performing Shakespeare's verse and other classical texts.

THEA 438. A Call to Arms. (3-2-2)

Prerequisite: THEA 338.

There is a fundamental difference between armed and unarmed combat. While hand-to-hand fighting has a core similarity throughout the ages relying greatly on instinct, strength and reflexes, the way people choose to arm themselves is a reflection of era, style, education, and social standing. Add to this the inherent challenges presented by weapons of steel and wood on stage and the actor enters a whole new level of technique and discipline. This course will introduce the techniques, theories and historical perspective of armed personal combat. The styles of Elizabethan and Medieval weaponry will be addressed on a rotating basis.

This course is repeatable twice for a total of nine credits when course work addresses a different weapon style than previously encountered by the student. Lab fees apply each term.

THEA 451. Stage Management (3-3-0)

Prerequisite: THEA 250.

Alternate years.

This highly practical course examines the pivotal role and complex craft of the stage manager in the theater. Students will learn the vocabulary, techniques and professional protocols necessary to organize and manage every aspect of theatrical production – from posting the first audition notice to calling the final light cue on closing night. Acquired skills include: organizing production meetings, developing a rehearsal schedule, maintaining a blocking script, running tech rehearsals, and collaborating with the director, designers, actors, crews and house staff.

THEA 452. Costume Design (3-3-0)

Prerequisite: THEA 252.

Alternate years.

This course considers principles and practices of costume design for the theater – from concept to rendering. Students will study rendering techniques drawing the human body and begin building a portfolio of their work. **This course is repeatable twice for a total of nine credits.**

THEA 456. Lighting Design II (3-1-4)

Prerequisite: THEA 356.

Fall.

This course explores key works of dramatic literature in their social, political, economic, and artistic contexts. Selected dramatic works may be grouped by period, place, theme, or author. Students will read a series of playtexts and then compose several papers that interpret plays in light of historical or contemporary non-dramatic writings. May require attendance at TheaterCNU productions outside of scheduled class times. This course partially satisfies the writing intensive requirement.

THEA 463. WI: Dramatic Literature in Context (3-3-0)

Prerequisite: ENGL 223.

Alternate years.

Advanced study in lighting design, students will work to create a lighting design portfolio that includes project analyses, light plots, instrument schedules and related documents. Directed projects may also include design assignments for mainstage, studio or off-campus productions. **This course is repeatable twice for a total of nine credits**

THEA 491. Theater Practicum (credits vary 1-3)

Prerequisite: Theater major with junior or senior standing.

Student-proposed practical or theoretical projects carried out in collaboration with CNU or off-campus organizations. Requires faculty approval and supervision. **This course is**

repeatable twice for a total of nine credits.

THEA 492. Arts Administration Internship (3-0-10)

Part-time internship (100-120 hours) in arts administration in association with local arts organizations. The internship provides the student the opportunity to assist in areas such as special events planning, publicity, press relations, grant writing and research, education and program development, finance and volunteer management or other arts administration tasks appropriate to the needs of the supervising agency.

THEA 495. Special Topics (3-3-0)

Prerequisite: As announced.

Topics vary, determined by the special interests and needs of students and the expertise of faculty.

THEA 498. Thesis Project (3-0-9)

Prerequisite: Junior or senior theater major.

The thesis project is a capstone class required of all theater majors created and arranged by the student in consultation with a faculty thesis advisor. The student and faculty thesis advisor determine the calendar of meeting times and due dates. **This course is repeatable once for a total of six credits.**

THEA 499. Independent Study (credits vary 1-3)

Prerequisite: Junior or senior standing, consent of instructor and Department Chair.

An opportunity for independent study under the guidance of a faculty advisor.

U.S. NATIONAL SECURITY STUDIES

Dr. Nathan E. Busch, Director

McMurrin Hall 359E

(757) 594-8498

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The Minor in U.S. National Security Studies (21 Credits)

As the United States enters the second decade of the 21st Century, it faces a multitude of new and unprecedented threats to its national security interests. From the proven and suspected weapons of mass destruction (WMD) programs in North Korea, Iran, and Syria, to the ongoing War on Terrorism, the collective threats to U.S. national security are serious and enduring.

Given this dangerous international environment, there is a pressing need both to improve our understanding of the threats facing the United States and to prepare the next generation of governmental leaders to meet the challenges facing the nation. This interdisciplinary minor brings together the courses across the curriculum that would help prepare the future diplomats, intelligence analysts, and academic scholars in the field of U.S. National Security.

The minor will accomplish these goals by exploring the rich, and often controversial, legacy of U.S. diplomatic and national security policies from its founding to the present, beginning with the principles of U.S. foreign policy rooted in the Constitution and tracing the evolution of U.S. national security through the Cold War and Post-Cold War eras. The minor will also examine the specific internal mechanisms by which national security policies are formulated, as well as the theoretical debates in international relations scholarship. These debates concern the nature of the international system, the role of power, calculations of national interest, and the effect of institutions such as international law in governing state behavior. Finally, the minor will study the political and historical contexts for current regional conflict areas, and the “new dimensions” of U.S. national security including WMD proliferation, ethnic conflict and conflict resolution, the “War on Terrorism,” and human, environmental, and energy security.

Program Objectives:

1. Investigate the history and evolution of America’s national security interests and policies from the founding to the present, the contemporary international threats and challenges facing the United States, and the diplomatic and military mechanisms necessary for addressing these threats.
2. Examine the specific internal mechanisms by which U.S. national security policies are formulated.
3. Serve as a minor for those students who wish to extend their work in a major to include the study of U.S. national security.

Program Requirements:

1. A minimum of 21 credits, chosen from the courses listed below, is needed to complete the minor.
2. Core requirements: AMST 100 and POLS 215.
3. Select four additional classes (12 credits) from the elective courses listed below. Of these 12 credits, at least three must be from AMST, GEOG, or HIST.
4. A 202-level foreign language course (three credits).
5. Certain internships, independent studies, study abroad courses, and special topics courses may also count toward the minor as determined by the director.

THE CURRICULUM IN U.S. NATIONAL SECURITY STUDIES

The following course descriptions appear in appropriate sections throughout the catalog.

Core

- AMST 100 Founding the American Experiment
 POLS 215 Comparative and International Politics

Electives

- AMST 300 The American Experiment: Global Influence
 AMST 330 Treason in America
 HIST 325 Cold War Politics and Culture
 HIST 336 American Foreign Relations
 HIST 340 America and the Second World War
 HIST 351 American Military History
 HIST 480 The United States as a World Power
 POLS 323 American Foreign Policy
 POLS 327 International Law
 POLS 338 Politics of Weapons Proliferation
 POLS 340 Might and Right Among Nations
 POLS 380 Terrorism
 POLS 402 International Relations Theory and World Issues

WOMEN'S AND GENDER STUDIES

Dr. Laura Puaca, Director
 McMurrin Hall 309
 (757) 594-8879
 laura.puaca@cnu.edu

The Minor Program in Women's and Gender Studies (15 credits)

The minor program in women's and gender studies brings together those courses offered by the University which focus upon questions of gender, giving students the opportunity to explore relationships among genders, through concentrated study across several diverse fields.

Program Objectives:

1. To provide students with an interdisciplinary perspective regarding issues of gender (drawing upon such fields as English, philosophy, history, anthropology, sociology, social work, psychology, government, and communications).
2. To offer a minor for students who wish to enrich their major field of study through a study of gender roles.
3. To assist students in forging connections among classroom material, real-life situations and their own efforts to effect social change.

Program Requirements:

Students should seek advising from the director in choosing the courses for the minor.

1. A minimum of 15 credits as listed below are required to complete the minor.
2. Courses must be from three different disciplines and must focus one-half to two-thirds of their material on women/gender issues.
3. Core requirements: IDST 255 and four additional courses (12 credits).
4. Special Topics and other courses can be used if approved by the director.

THE CURRICULUM IN WOMEN'S AND GENDER STUDIES

IDST 255. Introduction to Women's and Gender Studies (3-3-0) [formerly WGST 201, equivalent] AIGM

This interdisciplinary course places the study of women and gender at the center of the curriculum. We will interrogate how gender has been socially constructed and maintained through a variety of institutions in both American society and worldwide. By focusing on intersections of gender with race, class, sexuality, ethnicity, and nation, we will also recognize the manifestations of power and privilege in everyday life. Among the topics we will address are: feminist history and theory; work, welfare, and poverty; body image, health care, and reproductive rights; violence; globalization; and the future of feminism.

The following course descriptions appear in appropriate sections throughout the catalog.

Core

IDST 255 Introduction to Women's & Gender Studies

Electives*

AMST 350	Sex, Law, and Society
ANTH/SOCL 377	Women, Gender, and Culture
CLST 313	Women in Ancient Greece and Rome
COMM 330	Gender Communication
COMM 430	Sex, Sexuality and Communication
ENGL 320	WI: Studies in Women and Literature
FREN 354	French Women Writers
HIST 304	U.S. Women's History
HIST 305	History of Gender and Sexuality in the United States
HIST 489	Women and Social Movements in U.S. History
LDSP 380	Women in Leadership
PHIL 315	Philosophy of Gender
PHIL 319	Philosophy of Love and Sexuality
POLS 382	Women and Politics
PSYC 320	Psychology of Gender
PSYC 420	Human Sexuality
SOCL 303	The Family in Transition

*Other courses, including special topics and independent study or internships, with permission of the director.

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)

Listed below is the annual notification of the Family Educational Rights and Privacy Act of 1974 (FERPA). The University is required to inform enrolled students annually of their rights under the terms of FERPA. The act does not apply to students admitted to the University who have not officially enrolled.

Note: Students should access cnu.edu/registrar/ferpa/ for the latest changes to CNU directory information and updates regarding the Family Educational Rights and Privacy Act of 1974 (FERPA). The Vice President for Enrollment and Student Success and the University Registrar serve as the University's FERPA officials and implement policies and procedures to facilitate compliance with this federal requirement.

A. Policy Intent

1. The University student (education) record policy is intended to conform with all state and federal statutes dealing with access to information held by an educational institution on present and former students.
2. The CNU student record policy is formulated to protect the privacy of student information that is maintained and yet provide access to student records for those having a legitimate educational interest in viewing such records. Regulations and procedures to ensure adequate protection of the student are provided in this policy.

B. Student Rights under FERPA:

1. Enrolled students have the right to inspect their education record within 45 days of the request for inspection and are entitled to an explanation of any information therein. "Record" refers to those files and their contents that are maintained by official units of the University. Generally, students have the right to review any official record that the University maintains on that student. When access is permitted, documents will be examined only under conditions that will prevent unauthorized removal, alteration, or mutilation. Students must submit to the Office of the Registrar written requests that identify the record(s) they wish to inspect. A University official will make arrangements for access and notify the student of the time and place where the record(s) may be inspected. If the University official to whom the request was submitted does not maintain the requested record(s), that official shall advise the student of the correct official to whom the request should be addressed.

2. Information to which the student does not have access is limited to the following:
 - a. Confidential letters and recommendations placed in the student's files before January 1, 1975, and those letters for which student has signed a waiver of his or her right of access. Letters of recommendation are removed from the Admissions files before the files are forwarded to the Office of the Registrar.
 - b. Parents' confidential financial statements.
 - c. Personal files and records of members of faculty or administrative personnel, which are in sole possession of the maker thereof.
 - d. Education records, which contain information about more than one student; in such cases, CNU will allow the inquiring student access to the part of the record, which pertains only to the inquiring student.
 - e. Records of the admissions offices concerning students admitted but not yet enrolled at the University.
 - f. Medical/psychological records used in connection with treatment of the student. A physician or psychologist of the student's choice may view such records.
 - g. University Police Department records, when utilized for internal purposes by this office in its official capacities.
3. Documents submitted to the University by or for the student will not be returned to the student. Normally, academic records received from other institutions will not be sent to third parties external to the University, nor will copies of such documents be given to the student. The student should request such records from the originating institution.
4. Students have the right to request an amendment of the education record that the student believes is inaccurate or misleading. Should a student believe his or her record is incorrect, he/she should write the University official responsible for the record, clearly identify the part of the record he/she wants changed, and specify the information he/she feels is inaccurate or misleading. The official will respond within a reasonable period concerning his or her action. Should the student not be satisfied, a hearing may be requested of the Vice President for Enrollment and Student Success.
5. Students have the right to consent to disclosures of personally identifiable information contained in the student's education record, except to the extent that FERPA authorizes disclosure without consent (see C.3. below).

6. Students have the right to file a complaint with the US Department of Education concerning alleged failures by CNU to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office
US Department of Education
600 Independence Avenue, SW
Washington, DC 20202-4605

C. Access to Student Records by Others:

1. Disclosure of General Directory Information: Certain information may be released by the University without prior consent of the student if considered appropriate by designated school officials. Such information is defined as the following:
 - a. Student's name.
 - b. Date of birth.
 - c. Dates of attendance at the University, field of concentration, degrees, honors and awards.
 - d. Enrollment status – full-time or part-time.
 - e. Height and weight of members of athletic teams.
 - f. Participation in officially recognized activities.
2. Directory information will not be released for commercial purposes by administrative offices of the University under any circumstances. Students may request that directory information not be released by written request to the Office of the Registrar at any time. All other student information will be released only upon written request of the student, excepting those instances cited below. A student's written consent is not required in a health, safety or emergency situation.
3. Disclosure to members of the University community:
 - a. "School Official" is defined as a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including university law enforcement personnel and health staff); a person or company with whom the University has contracted (such as attorney, auditor, or collection agent); or a person serving on the Board of Visitors.
 - b. A school official must have a legitimate educational interest in order to review an education record. A legitimate educational interest is the demonstrated 'need to know' and is further defined in the following manner: the information requested must be within the context of the responsibilities assigned to the School Official; the information sought must be used within the context of official University business and not for purposes extraneous to the official's area of responsibility or the University; information requested must be relevant and necessary to the accomplishment of some task or to making some determination within the scope of University employment. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.
- c. Information requested by student organizations of any kind will be provided only when authorized by the Vice President of Student Affairs/Dean of Students.
- d. Effective July 2008, the Commonwealth of Virginia required higher education institutions to release educational record information to parents of dependent children. This state legislation is allowable within the guidelines of FERPA. Students who are tax dependents of their parent(s) or legal guardian(s) may authorize the receipt of mid-term or final grades and/or academic transcripts by contacting the Office of the Registrar to complete the documentation necessary for this disclosure. Proof of tax dependency may be required.
4. Disclosure to parents and organizations providing financial support to a student: It is the University's policy to release the academic transcript to parents and/or organizations only upon the student's written request or authorization, a policy consistent with the University's interpretation of FERPA.
5. Disclosure to other educational agencies and organizations: Information may be released to another institution of learning, research organization, or accrediting body for legitimate educational reasons, provided that any data shall be protected in a manner that will not permit the personal identification of the student by a third party.
6. Disclosure to local, state, and federal governmental agencies: Government agencies are permitted access to student records only when auditing, enforcing, and/or evaluating sponsored programs. In such instances, such data may not be given to a third party and will be destroyed when no longer needed for audit, enforcement, and/or evaluative purposes.

BOARD OF VISITORS

Mr. N. Scott Millar, Rector Newport News, Virginia <i>Term Expires 6/30/19</i>	Mr. Steven S. Kast Poquoson, Virginia <i>Term Expires 6/30/19</i>
Mrs. Vicki Siokis Freeman, Vice Rector Newport News, Virginia <i>Term Expires 6/30/18</i>	Terri M. McKnight, CPA Fairfax Station, Virginia <i>Term Expires 6/30/20</i>
Mr. C. Bradford Hunter, Secretary Portsmouth, Virginia <i>Term Expires 6/30/18</i>	The Honorable Gabriel A. Morgan, Sr. Newport News, Virginia <i>Term Expires 6/30/18</i>
Lindsey A. Carney, Esq. Newport News, Virginia <i>Term Expires 6/30/20</i>	Kellye L. Walker, Esq. Williamsburg, Virginia <i>Term Expires 6/30/20</i>
Mr. William R. Ermatinger Toano, Virginia <i>Term Expires 6/30/18</i>	Dr. Ella P. Ward Chesapeake, Virginia <i>Term Expires 6/30/18</i>
Robert R. Hatten, Esq. Gloucester, Virginia <i>Term Expires 6/30/19</i>	Mrs. Judy Ford Wason Williamsburg, Virginia <i>Term Expires 6/30/21</i>
Mr. W. Bruce Jennings Fairfax, Virginia <i>Term Expires 6/30/21</i>	Mr. Junius H. Williams, Jr. Portsmouth, Virginia <i>Term Expires 6/30/21</i>

ADMINISTRATION

Paul S. Tribble, Jr., President

David C. Doughty, Provost

Cynthia R. Perry, Chief of Staff

William L. Brauer, Executive Vice President

Adelia P. Thompson, Vice President for University Advancement

Kevin M. Hughes, Vice President for Student Affairs

Lisa Duncan Raines, Vice President for Enrollment and Student Success

Jennifer B. Latour, Vice President for Strategy and Planning

FACULTY

Note: The parenthetical date indicates the year of faculty appointment.

Office of the Provost as of June 1, 2018

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Academic Advising	32	Auditing, change credit to audit status	46
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