

# **University of Richmond**

**2011-2012**

**Undergraduate Arts and Sciences,  
Business, and Leadership Studies Catalog**

**Arts and Sciences, Business, and  
Leadership Studies**

**Office of the University Registrar  
Catalog is for Internal Use Only**

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## 2011-2012 Course Catalog

The course catalog provides listings for the undergraduate schools of Arts and Sciences, Business and Leadership Studies. It also includes information on such topics as academic procedures, financial aid and academic opportunities and support. **The requirements in this catalog apply to students entering the University in the 2011-2012 academic year.** Please see the catalog archive for earlier entering classes. For academic policies affecting students entering prior to fall 2008, please see Academic Advising.

Prospective students are encouraged to use this online version of the course catalog. Hard copies are not available. Catalogs from previous years and for other schools at the University can be found at the Office of the University Registrar.

*Please Note: The contents of this catalog represent the most current information available at the time of publication. However, during the period of time covered by this catalog, it is reasonable to expect changes to be made with respect to this information without prior notice. The course offerings and requirements of the University of Richmond are under continual examination and revision. Thus, the provisions of this catalog are not to be regarded as an irrevocable contract between the University (or any of its colleges or schools) and the student.*

### Non-Discrimination Policy

The University of Richmond prohibits discrimination and harassment against applicants, students, faculty or staff on the basis of race, religion, national or ethnic origin, age, sex, sexual orientation, gender identity, gender expression, disability, status as a veteran or any classification protected by local, state or federal law.

Copies of the complete “Harassment and Discrimination Policy (including Sexual Harassment)” are included in student handbooks, faculty handbooks and in the published guidelines for University of Richmond support staff. Copies are also available at the dean’s office of each college and school and the Department of Human Resource Services. For further information, students should contact the dean of their school or residential college; staff should contact the director of Human Resource Services; and faculty should contact the dean of their school.

Any inquiries regarding the University’s policies in these areas should be directed to the Office of the Vice President for Student Development, University of Richmond, Virginia 23173. Telephone: (804) 289-8032.

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**Academic Calendars 2011-2012**


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**Fall Semester 2011**


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Aug. 17, Wed.	School of Arts and Sciences: New students arrive; begin orientation
Aug. 19, Fri.	Registration/problem resolution for entering students
Aug. 22, Mon.	Classes begin
Sept. 5, Mon.	Labor Day (classes meet)
Sept. 9, Fri.	Last day to file for May/August graduation
Oct. 7, Fri.	Last day of classes prior to fall break (Residence halls remain open)
Oct. 12, Wed.	Classes resume
Nov. 22, Tues.	Thanksgiving break begins after classes
Nov. 28, Mon.	Classes resume
Dec. 5-13, Mon.-Tues.	Fall term examination period
Dec. 13, Tues.	Fall term ends

**Spring Semester 2012**


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Jan. 9, Mon.	Classes begin
Feb. 3, Fri.	Last day to file for December graduation
Mar. 2, Fri.	Spring break begins after classes
Mar. 12, Mon.	Classes resume
Apr. 23-28, Mon.-Sat.	Spring term examination period
Apr. 28, Sat.	Spring term ends
May 6, Sun.	Baccalaureate Service and Spring Commencement

**Addendum to the University of Richmond Academic Calendars 2011-2012**


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The list below is intended to familiarize the University community with major religious holidays affecting many throughout the campus. Inclusion on this list does not imply that the day is a University holiday but is provided to alert members of the Richmond community to possible scheduling conflicts. See the Class Attendance and University Holidays section of the catalog for details.

**Christian Holidays 2011-2012**

Christmas	Dec. 25, Sun., 2011
Good Friday	Apr. 6, Fri., 2012
Easter Sunday	Apr. 8, Sun., 2012
Easter Monday	Apr. 9, Mon., 2012

**Jewish Holidays 2011-2012**

Rosh Hashanah	Sept. 29-30, Thurs.-Fri., 2011
Yom Kippur	Oct. 8, Sat., 2011

Sukkot	Oct 13-19, Thurs.-Wed., 2011
Shemini Atzeret/Simchat Torah	Oct. 20-21, Thurs.-Fri., 2011
Hanukkah **	Dec. 21-28, Wed.-Wed. 2011
Passover	Apr. 7, Sat., 2012
Passover (concluding days)	Apr.13-14, Fri.-Sat., 2012
Shavuot	May 27, Sun., 2012

Jewish holy days, religious festivals and the weekly Sabbath begin at sunset the preceding evening. On these days, observant Jews do not engage in daily activities or fulfill routine commitments.

Many Jews who do not observe all holy days prefer to celebrate at their synagogue or at home on Rosh Hashanah, Yom Kippur and the first two evenings of Passover.

*\*\*This holiday does not require absence from routine commitments.*

### **Islamic Holidays 2011-2012**

Eid-al-Fitr	Aug.30, Tues., 2011
Eid-al-Adha	Nov. 6, Sun., 2011
Islamic New Year	Nov. 26, Sat., 2011

All Islamic dates begin at sunset the preceding evening.

The Islamic year is based on the lunar cycle, consisting of 12 months of 29 or 30 days each, totaling 353 or 354 days. Each new month begins at the sighting of a new moon. Actual dates may differ by a day or two from the above dates. In many places, the moon sighting is often determined in advance by astronomical calculations.

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## **About the University**

### **Mission Statement**

The mission of the University of Richmond is to sustain a collaborative learning and research community that supports the personal development of its members and the creation of new knowledge. A Richmond education prepares students to live lives of purpose, thoughtful inquiry, and responsible leadership in a global and pluralistic society.

### **Organization and Accreditation**

Five academic schools and two coordinate colleges form the University of Richmond, with authority and responsibility vested legally in the Board of Trustees and the president of the University. The several colleges and schools award no degrees individually, but all degrees for work done in any one of them are conferred by the University of Richmond.

The University enrolls approximately 2,900 full-time undergraduates, 92 percent of whom live on campus; 600 full-time law and graduate students; and 1,300 part-time students, largely from Richmond and the surrounding community.

### **SACS Accreditation**

The University of Richmond is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate, baccalaureate, masters, and juris doctor degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of the University of Richmond.

### **AACSB Accreditation**

The Robins School of Business is fully accredited at the undergraduate and graduate levels in Business and Accounting by the Association for the Advancement of Collegiate Schools of Business International (AACSB).

### **ABA Accreditation**

The T.C. Williams School of Law is fully accredited by the recognized standardizing agencies in the United States. It is a member of the Association of American Law Schools; it is on the approved lists of the American Bar Association and the Virginia State Board of Bar Examiners; and its Juris Doctor degree is fully accredited by the Regents of the University of the State of New York. Although each state has its own requirements for admission to the bar, a law degree from the School of Law qualifies the holder to seek admission to the bar in any state in the nation and in the District of Columbia. Additional information about accreditation may be found at [abanet.org/legaled/resources/contactus.html](http://abanet.org/legaled/resources/contactus.html).

### **Virginia State Board of Education Certification**

The University also is certified by the Virginia State Board of Education to offer teacher licensure programs.

### **Teacher Education Accreditation Council Accreditation**

The University of Richmond's education program is accredited by the Teacher Education Accreditation Council.

### **American Chemical Society Accreditation**

The University of Richmond's chemistry program is accredited by the American Chemical Society.

### **Environment and History**

The University of Richmond campus consists of about 50 major buildings of Collegiate Gothic architectural style set amid 350 acres of lawns, lake, and woodlands. The beautiful and harmonious setting has been recognized nationally by college guides. Richmond's history began almost two centuries ago with Richmond College, founded in 1830 by Virginia Baptists as a college of liberal arts and sciences for men. Around this nucleus were established the T.C. Williams School of Law (1870); Westhampton College, a college of liberal arts and sciences for

women (1914); the Graduate School of Arts and Sciences, for advanced study in the liberal arts and sciences (1921-2009); the E. Claiborne Robins School of Business, for undergraduate and graduate study in business (1949); University College, now known as the School of Continuing Studies, for evening, summer, and continuing education (1962); and the Jepson School of Leadership Studies, the first school of leadership studies in the United States (1992). In 1992, the academic missions of Richmond College and Westhampton College were combined in a separate school, the School of Arts and Sciences. Richmond College and Westhampton College are the coordinate colleges for men and women respectively, providing special programming and leadership opportunities in student life. Richmond benefits from a heritage of ethical and religious values, a residential character, and a commitment to liberal and general education through intimate schools and colleges joined into a substantial whole.

Information Services - Library and Computing Resources

### **Library Resources**

Boatwright Memorial Library, facing Westhampton Lake, is the main library. It includes collections and services for the humanities, social sciences, sciences, and business. Boatwright is also home to the Media Resource Center and the Digital Scholarship Lab. The Parsons Music Library is in the Modlin Center for the Arts. The Science Reading Room in the Gottwald Science Center holds a small collection of key science reference books, offers access to online resources, and provides opportunities for consultations with the science librarian. The Muse Law Library in the Richmond School of Law serves the special needs of law students and faculty. The libraries' collections have been developed to meet the needs of students and faculty. Those collections, not including those in the Law Library, consist of more than 500,000 volumes, access to more than 30,000 print and online journals, 65,000 electronic books, more than 230 online databases and a wealth of resources in media such as sheet music, DVD, audio CD, microfilm and audio books. Since 1900, the University of Richmond has enjoyed status as a depository for U.S. government publications. Boatwright Memorial Library holds more than 500,000 government documents in print and microform and provides electronic access to thousands more. The Galvin Rare Book Room contains nearly 25,000 rare books, first editions, maps, photographs and manuscripts. The online

library catalog ([library.richmond.edu](http://library.richmond.edu)) provides access to the collections. The libraries participate in local and state consortia as well as national networks to obtain access to databases and to borrow items not held in the University's collections. The University's libraries are open to the entire University community.

The libraries offer group and individual instruction in how to use these resources effectively. Group instruction is offered in the Boatwright Computer Classroom and other locations. A formal introduction to library services and resources is a part of every First Year seminar. Individual assistance is available in person and online through various means described at [library.richmond.edu/help/ask.html](http://library.richmond.edu/help/ask.html).

Boatwright Memorial Library offers a mix of study space suitable for individuals working alone or in groups as well as AV viewing/listening carrels and rooms and more than 120 public computer workstations. Laptop computers are loaned for in-building use and connect to the University's wireless network. When classes are in session, the first and second floors of Boatwright Library are open 24 hours a day.

A separate wing of Boatwright Memorial Library houses the Virginia Baptist Historical Society, a memorial to the Virginia Baptists who struggled to secure religious liberty in America. The library holds thousands of books, church records, manuscripts, and personal papers related to Virginia Baptist history and heritage. The Society also manages the University's archives, a large collection of books, photos, and memorabilia related to the University's rich history. Boatwright Library is also home to the Eight Fifteen at Boatwright coffee shop.

### **Computing Facilities**

The University of Richmond is committed to preparing students to work successfully in technology- and information-centered environments. The Information Services division supports a teaching and learning environment that provides rich technology and information resources for students, faculty, and staff. Computer labs and classrooms with a total of more than 900 computers are spread across the campus and contain a wide variety of equipment and software. These systems can be accessed in Boatwright Memorial Library and in general purpose and discipline-specific computing spaces. Most residence halls are equipped with public computers in academic study lounges.

In addition to the general-purpose labs, many academic departments have computer labs designed to meet the special learning and research needs of their students. These include art and art history, the business school, chemistry, classical studies, education, journalism, the law school, modern literatures and cultures, music, physics, psychology, the leadership studies school, and theatre and dance.

The University maintains a robust network infrastructure. A wireless network supports mobile computing in every building on campus and provides coverage in most outdoor locations and public gathering spaces. Information Services keeps University-owned systems loaded with up-to-date versions of the latest software tools and anti-virus software. All users must have an active University computer account to log into any lab machine. To help ensure the security of our systems and network, passwords must be changed each semester in order to maintain an active account. Please refer to the Policies for Responsible Computing posted on the Information Services Policies Web page for guidelines regarding the use of University-provided technology resources.

The ground floor of Jepson Hall houses many computing resources, including a general purpose computer lab with a total of 30 workstations; five PC classrooms with full multimedia capabilities; and two computer classrooms running Windows, Linux and Unix designated for use by the math and computer science department. When classes are not in session, the Jepson Hall computer classrooms are open for student use. Jepson Hall is also the location of the Computer Help Desk, a resource that provides assistance with computing-related issues for the entire campus. A listing of the current hours of operation for all of these resources may be found on the Information Services Web page.

The Technology Learning Center (TLC) is a unique resource located on the third floor of Boatwright Memorial Library. It is devoted to servicing the multimedia needs of students, faculty, and staff. This area offers PC and Mac workstations equipped with high-end Web development, multimedia, animation, 3-D modeling, and audio-video recording and editing software. Scanners, high quality printers, large-format plotters, digitizers, and digital video and still cameras also are available. In addition, the TLC contains a photography studio and a small recording studio. The TLC also supports media production in the Media Resource Center on the second floor of Boatwright Library. Most importantly, the TLC is

staffed by professionals and well-trained student assistants. Students not only have access to the hardware and software, but also to experts who can help them effectively use the specialized tools.

Technology training is offered to students, faculty, and staff in a variety of formats, including books and CDs available in the TLC and searchable through the library catalog, online video tutorials, technology training classes offered throughout the school year, and one-on-one training sessions available through appointments at the TLC. TLC hours of operation and current technology training classes may be found on the Information Services Web page at [is.richmond.edu](http://is.richmond.edu).

### **Undergraduate Colleges**

Though Richmond is composed of five academic schools as well as two coordinate colleges, this catalog provides specific program information about only undergraduate study in the School of Arts and Sciences, Robins School of Business, and Jepson School of Leadership Studies. Pertinent information about the coordinate colleges, Richmond College and Westhampton College, is also presented in this catalog. Detailed information about each of the other academic schools is available upon request to the respective dean's office.

### **Academic Schools**

#### **School of Arts and Sciences**

All students begin as part of the School of Arts and Sciences. Approximately two-thirds of the University's students (2,300) then continue their study in arts and sciences, pursuing Bachelor of Arts and Bachelor of Science degrees in the more than 40 disciplines offered by the school.

The School of Arts and Sciences is a blend of studies from all areas of life - health, fine arts, natural and urban environments, government, technology, cultures, emerging scientific studies, and literature are a few examples. Though the fields of study in the School of Arts and Sciences are diverse, each discipline pursues the common goals of challenging students to think critically and independently, to make decisions based upon their assessments, to communicate effectively, to gather and evaluate information and others' opinions, and to work collaboratively, expanding their understanding of others to better comprehend the systems and

situations around them. The programs ask rather than tell. Working together across disciplines, the faculty and students explore how things work, ask why they operate as they do, evaluate what has been successful, and consider possible solutions or advancements. Faculty collaborate with students to research and create data or art, encouraging them to build their own knowledge and skills and demonstrating how to most effectively communicate and apply what they learn.

### **Robins Schools of Business**

The Robins School of Business enrolls about 650 men and women. The school's principal objective is to provide a professional college education that will enable students to meet the challenges of a complex and international business world.

The degree of Bachelor of Science in Business Administration (B.S.B.A.) is offered with majors in accounting, business administration, and economics. The business administration major has several areas of concentration that students may pursue. Once a student declares his or her major, the Robins School of Business provides a number of internal activities in which students may participate in, including its own student government. The Robins School also has a chapter of Beta Gamma Sigma, a national honor society. Membership in Beta Gamma Sigma is the highest national recognition a student can receive in an undergraduate or master's program accredited by the AACSB-International.

The School of Business faculty also provides the Master of Business Administration (MBA) degree in the Robins School of Business.

### **Jepson School of Leadership Studies**

The Jepson School of Leadership Studies offers the Bachelor of Arts degree with a major in leadership studies, as well as a minor in leadership studies. The Jepson School uses multiple disciplinary lenses to educate students for and about leadership. As a result, both the major and the minor are broadly based in the liberal arts but highly integrated with leadership as a unifying theme. By engaging students in the classroom and in the world around them, the Jepson School challenges students intellectually and prepares them for future responsibilities of leadership.

### **Coordinate Colleges**



Undergraduate students at the University of Richmond are members of an academic school: the School of Arts and Sciences, the Robins School of Business, or the Jepson School of Leadership Studies. Depending on their gender, students are also members of a coordinate college: Richmond College for men and Westhampton College for women. The coordinate colleges serve as dean of students offices and manage academic policy matters, thereby providing a holistic approach to students. The college deans report to both the vice president of student development and the dean of arts and sciences.

Each coordinate college has its own staff, residence life program, student government, activities, and traditions. Deans' staff members focus on students' personal development, crisis management, judicial policies, and matters that involve the University's honor code. The deans' offices also oversee popular student traditions that recognize and celebrate the smaller college community and heritage, including Westhampton College's Junior Ring Dance and Richmond College's Investiture. The residence life programs organize gender-focused programming within the residence halls and living/learning initiatives that make important intellectual and personal connections between students and faculty members, e.g., the Richmond College's "Spinning Your Web" program.

The two student governments - the Westhampton College Government Association (WCGA) and the Richmond College Student Government Association (RCSGA)- afford students valuable leadership opportunities and guarantee that men and women students participate equally in the governing process. Meanwhile, students make connections between their curricular and cocurricular experiences in college-based programs such as Westhampton College's Women Involved in Living and Learning (WILL) program.

For more information regarding Westhampton College see [wc.richmond.edu](http://wc.richmond.edu). For more information regarding Richmond College see [rc.richmond.edu](http://rc.richmond.edu).

### Spiritual Life

This mission of the Office of the Chaplaincy is Inspiring Generous Faith; Engaging the Heart of the University.

The Office of the Chaplaincy consists of five full-time staff members and eighteen affiliated campus ministers. Together, we focus on five strategic goals to advance our mission:

- Creating structures of inclusion for the diversity of faith traditions present on campus.
- Including our eighteen partner campus ministries more robustly in the mainstream of campus life.
- Providing pastoral care to all members of the university community, particularly students.
- Developing programming for students to pursue spiritual renewal, reflection, and critical engagement with their own experience and that of others.
- Animating conversations of meaning across many lines of difference to cultivate our highest ideals of responsible living and learning.

Some of our yearly highlights include the Pilgrimage program to Israel; our Multifaith Student Council; the Weinstein-Rosenthal Forum on Faith, Ethics, and Global Society; our One Book, One Campus program; our Consider This dinner series; the annual Iftar, Seder, Thanksgiving, and December Candlelight services.

In addition, a wide range of worship and fellowship opportunities are offered such as weekly Catholic Mass; Kairos, a Christian contemplative service; Shabbat services; Muslim prayer; and Zen Meditation. Additional worship and study opportunities are offered through our campus ministry team.

Visit our website for detailed information: [chaplaincy.richmond.edu](http://chaplaincy.richmond.edu).

The Office of the Chaplaincy is located in the Wilton Center, between Cannon Memorial Chapel and Tyler Hanes Commons. We look forward to meeting you.

## Admission

The University of Richmond seeks to enroll men and women who have demonstrated the potential to succeed in a highly rigorous environment and who have shown evidence of their capability to contribute to the University community. Admission to the University is competitive and selective.

Criteria for admission are both objective and subjective. Such qualities as academic ability and achievement combined with personal qualities of leadership, creativity, and independence are sought. For those entering as first-year students, the secondary school experience, the results of standardized tests, and the particular characteristics and personal qualities of each applicant will be considered. Because we know that a family's financial situation has no relationship to a student's preparation, character, potential, or intellect, the University makes admission decisions in a need-blind manner for all first-year applicants who are U.S. citizens and permanent residents. Students who believe that they would benefit from the University's programs but do not have the resources to attend are encouraged to see the section on Financial Aid for more information.

Successful applicants will have pursued a highly rigorous college preparatory program. Successful applicants represent a wide variety of backgrounds. The prospective student is advised, therefore, to complete the most challenging college preparatory program that can be taken at the secondary school attended. Students admitted must show evidence of high school graduation or exemplary completion on all five achievement tests of the general education development (G.E.D.) battery.

For students who have attended other institutions of higher learning and wish to transfer to the University of Richmond, the academic achievement and courses completed at the prior institution will be important to the admission decision. In short, whether first-year or transfer, those students with the potential to be the most successful in this educational environment will be offered admission.

### Transfer Admission

A student who wishes to transfer from another college or university may apply for transfer admission. A student must have completed a minimum of 6.82 units of transferable credit prior to

enrollment at the University of Richmond. The transfer credit must have been earned at an institution regionally accredited at the time the work was completed. Transfer candidates must possess a minimum grade point average of 2.0 to be eligible for review. Competitive candidates will have well above this minimum requirement. Interested students may wish to visit the campus and talk with an admission officer; however, a personal interview is not a part of the admission decision. In order to receive a degree from the University of Richmond, a student must complete at least 17.5 units at the University, including the work of the senior year.

The deadline to submit a transfer application for fall enrollment is February 15, with a second-round deadline of April 15; the spring enrollment deadline is November 1. The applicant must file an application form, pay the nonrefundable application fee, submit course descriptions for all college courses taken, and have secondary school and college transcripts forwarded directly to the Office of Admission. Students must have left their previous institution in good standing or having been honorably dismissed.

Credit for work completed at another college or university will be subject to the following conditions:

- courses must be a part of the University of Richmond curriculum and at the level of courses taught at the University of Richmond
- the grade received must be the equivalent of C (2.0) or better
- the decisions of credit transfer and application toward degree requirements are made by the Office of the University Registrar in consultation with the appropriate academic department

Credit for all courses is regarded as provisional at the time of the applicant's admission and is not considered final until the satisfactory completion of one semester's work at the University.

### International Admission

The University of Richmond encourages international students with diverse cultural heritages and multicultural experiences to apply to the University as both first-year and transfer students.

First-year applicants must complete an academic secondary program which would prepare one for entrance to universities in the country of residence. Secondary study (grades 9, 10, 11, and 12) should include at minimum three or four years of coursework in the native language (or second language), mathematics, social sciences, laboratory sciences, and English language. Refer to the Admission Requirements section.

A student may apply as a transfer candidate after successfully completing at least one year of full-time study at a recognized academic university in the United States or abroad. Refer to the Transfer Admission section above.

In addition to test requirements described in Admission Requirements above, all nonnative English speakers must submit results for Test of English as a Foreign Language (TOEFL). The University expects nonnative English speakers to possess strong analytical and rhetorical writing skills and highly developed oral communication proficiency in English. Because the University offers only short-term, advanced English as a Second Language (ESL) study during summer and the academic year, applicants must demonstrate English proficiency prior to enrolling. Consideration will be given to candidates with the following minimum scores on the various versions of the TOEFL: 550 on the paper TOEFL, 213 on the computer-based TOEFL, or 80 on the Internet-based TOEFL.

### Home-Schooled Students

Students who have been educated in a nontraditional secondary school setting are welcome to apply for admission. In addition to submitting a complete admission application, home-schooled students are required to complete or submit the following items:

1. Standardized testing requirement as defined under Admission Requirements. In addition, students are strongly urged to submit SAT Subject Tests in the subject areas of history and natural science.
2. Participate in an interview conducted by one of the University's admission officers. The interview is required for students who spend 50 percent or more of their secondary school experience in a home-school setting or are graduating from a home school environment. These interviews are conducted in person or over the phone by appointment.
3. Submit a narrative description of the home-school environment, such as parental instruction, community teaching, etc. Additional items that could be included are syllabi for all courses taken and a list of the textbooks used.
4. Optional letters of recommendation, preferably from individuals who have had academic contact with the student, can be submitted.

### The Robins School of Business

The Robins School of Business provides a professional education for students who wish to prepare for the challenges of a complex and international business world. This personalized education is offered primarily during the third and fourth years of college study.

Beginning with the class entering in the Fall of 2010, students interested in pursuing a major or minor in the Robins School of Business (Business Administration, Economics or Accounting) must have a 2.7 GPA after completing at least 12 units at the end of three semesters of college coursework, including ECON 101, ACCT 201, and MATH 211 or 231 (or their equivalent).

### Jepson School of Leadership Studies

The Jepson School of Leadership Studies uses multiple disciplinary lenses to educate students for and about leadership: economics, history, literature, philosophy, politics, psychology, and religion. In so doing, the school provides students with conceptual tools that support the exercise of leadership in a variety of settings. Curriculum goals are achieved through courses such as Leadership and the Humanities and Leadership and the Social Sciences, the gateways to the academic program. Leadership Ethics serves as the capstone course for the major and minor. The gateway courses are designed to introduce students to the intellectual and historical foundations of leadership, so they are also appropriate for non-majors. Required courses such as Critical Thinking and Theories and Models reflect the Jepson School's commitment to studying leadership across disciplines. Courses with experiential components -- for example, Justice and Civil Society and the internship -- help students understand how to use knowledge gained through coursework in the world outside the classroom. Students also have the opportunity to study international leadership and

pursue independent research, including a senior thesis or senior honors thesis.

Students interested in the major or minor must submit a formal application in the fall after completing the first academic year of study at Richmond or another accredited college or university. The decision concerning admission to the major or minor rests with the Jepson School of Leadership Studies faculty committee.

### **Admission Plans**

The application deadline for regular decision is January 15; candidates are notified of the admission decisions around April 1.

The early decision plan is designed for well-qualified students who have decided that the University of Richmond is their clear first choice. Two plans are available. Fall early decision has a deadline of November 15. Winter early decision has a deadline of January 15. The applicant must file (prior to the deadline) an application form, an official copy of the academic record through the junior year, first marking period grades from the senior year, and the required standardized test scores. Candidates will be notified around December 15 for fall early decision and February 15 for winter early decision.

Accepted candidates must submit the required nonrefundable deposit to confirm their admission to the University of Richmond. Deferred candidates' applications will be reconsidered under the regular admission plan. In some cases, early decision applicants may be denied admission as well. Further information may be obtained from the Office of Admission.

The early admission program provides for the admission of exceptional students who have completed their secondary school experience in three years, prior to their college matriculation. Additionally, appropriate candidates must possess unusually strong college preparation, as demonstrated through a challenging and rigorous course of study, while presenting required standardized test scores of a highly competitive nature. The student is required to have an interview with an admission officer in person or by telephone and submit a letter from the secondary school counselor endorsing the student's early admission application.

### **Visiting Campus**

Prospective students are invited to visit the campus, participate in the admission information session, take a tour of the campus, and confer with professors, coaches, or other persons in their fields of interest. The information session consists of a group presentation and discussion about the University of Richmond and is led by an admission officer. When the University is in session, student-conducted campus tours usually follow each information session. The campus visit is encouraged because it provides an opportunity for the prospective student to learn about the University, have questions answered, and see the campus.

Plans to visit the campus may be made by calling the Office of Admission, (804) 289-8640 or (800) 700-1662, or by visiting our website at [admission.richmond.edu](http://admission.richmond.edu).

While individual interviews are not required for admission, they may be available during your campus visit or with a Richmond graduate in your home city. Visit [admission.richmond.edu](http://admission.richmond.edu) for more information.

During the candidate evaluation process in January, February, and March, schedules are abbreviated and times vary.

### **First-Year Admission Requirements**

Candidates for admission must have completed a minimum of 16 units of secondary school work. Minimum requirements include four units in English, three in college preparatory mathematics (including Algebra I, II, and Geometry), and at least two each in history, laboratory science, and foreign language (two units of the same language, not including American Sign Language, which will not satisfy the requirement for foreign language). Competitive candidates for admission typically exceed the minimum requirements and have taken three to four units in science, history, and foreign language at the highest levels available in their school setting.

The applicant must have the secondary school send an official transcript of work completed, courses in progress, and the school's recommendation. Students who have taken work at or under the auspices of a college or university must provide a statement describing the work and an official transcript from the college or university must be sent directly to the Office of Admission, University of Richmond.

First-year applicants must submit the results of either the SAT or ACT for consideration. There is not a preference for either test; instead, the evaluation of those who submit results of both will rely on whichever test is comparatively strongest.

Application for admission is made using the Common Application and a Common Application Supplement including a required essay. All forms are accessible from admission.richmond.edu. The nonrefundable \$50 application fee must accompany the application for admission.

As of July 1, 2006, Virginia law requires all public and private two- and four-year institutions of higher education to electronically transmit information about applicants accepted for enrollment at each institution to the State Police for comparison to the Virginia Criminal Information Network and National Crime Information Center Convicted Sexual Offender Registry. In compliance with Virginia law, the University of Richmond will submit the requested information for all admitted students to the State Police for comparison to the registry. If the University is notified that an admitted student has committed a sex offense, the admitted student is subject to the revocation of their admission.

## Financial Affairs

### Fees: 2011-12 Schedule

	Semester	Year
<b>General Fee</b>		
for all students	\$21,585	\$43,170
over 6 units or fewer than 3.5 units: .per unit rate	\$7,554	-
<b>Housing (per student)</b>		
Single (add \$100 per semester for private bath)	\$2,368	\$4,736
Double (add \$50 per semester for private path)	2,085	4,170
Triple, Quad (add \$50 per semester for private bath)	2,075	4,150
Lakeview, Dennis, Freeman and Lora Robins Halls (single)	2,473	4,946
Lakeview, Dennis, Freeman and Lora Robins Halls (double)	2,368	4,736
University Forest Apartments	2,410	4,820
Local telephone service, basic cable television provided in all residential housing (including 100mb wired connections for each bed and wireless available throughout campus), along with unlimited use of residential laundry machines.		
<b>Meal Plans</b>		
Spider 17 (17 meal exchanges/wk with 650 dining dollars per semester)	\$2,540	\$5,080
Spider Unlimited (unlimited meal exchanges with 825 dining dollars per semester)	2,910	5,820
Spider 50 (50 block meals with 835 dining dollars per semester)	1,445	2,890
Spider Blue - 675 dining dollars per semester (undergraduate A&S commuter students only)	685	1,370
Spider Red - 350 dining dollars per semester (Law, MBA, and SCS commuter students only)	360	720
<b>Special Fees</b>		
Applied Music - per course, nonmajors only, individual instruction	\$450	



ID card replacement: each occurrence	20	
Graduation fee	50	
Campus vehicle permit (spring semester only: \$52.50)		\$105
Registration, change (add/drop): per transaction	10	
Late payment fees will be assessed up to:	70	
Non-UR Study Abroad Fee	1,500	

- Textbooks cost approximately \$500 per semester; supplies, transportation, and sundries are extra costs.
- Meal plan selection automatically rolls from the previous semester unless the student initiates a change by the given due dates. Late change fee will apply. Please contact One-Card Services at (804) 289-8476 or view their website for details on meal plans and policy at [oncard.richmond.edu/spidercard/terms-conditions.html](http://oncard.richmond.edu/spidercard/terms-conditions.html). Meals and dining dollars expire each semester and are non-refundable.
- Please consult Parking Services, Residence Life, and One Card Services for further information.
- Regardless of the academic school in which a course is taken, the student pays the tuition and fees of the school to which he or she has been admitted and which is considered the school of record. Any special fee associated with a particular course, such as a laboratory fee, is charged based on registration in the course.
- The University reserves the right to increase the fees listed herein and the charges for room and board if conditions should make such changes necessary or advisable. The changes will be announced as far in advance as feasible.
- The University is not liable for students' personal property. Students or parents should verify that their homeowner's insurance will cover their personal property on campus.
- Fees and charges will increase for the 2012-2013 school year and will be announced as soon as possible.

## Payments

Inquiries concerning payments should be directed to the Office of the Bursar, phone (804) 289-8147 or toll-free (866) 241-8893, or e-mail [bursar@richmond.edu](mailto:bursar@richmond.edu).

Fees are invoiced electronically and are to be paid in advance, by the semester. The fall semester payment is due by the first Monday in August, and the spring semester payment is due by the first Monday in December. To avoid incurring a late payment fee and delays in housing, registration, and other areas, please pay by due date.

Students receive a monthly e-mail notification to their University e-mail address with the subject line "University of Richmond Electronic Invoice/Statement" with a link to QuikPAY. The student's University ID number is used for authentication. Students can also access their account through BannerWeb. Upon login, students can view their invoice, set up and store bank account or credit card information, set up authorized payers, pay the invoice electronically, and print paper copies.

The student may authorize others to view the invoice as an authorized payer. Each invoice cycle, the student and the authorized payer(s) will receive an e-

mail notification that the electronic invoice has been sent with a link that takes them directly to the QuikPAY login page.

e-Check payment is an optional feature. Checking and savings account information from a bank within the United States can be entered at the QuikPAY website, and payments will be transferred electronically to the University of Richmond. You have the option to have the site retain your bank account information, or you may enter it each time you make an e-Payment.

Authorized payers will only be able to view their own payment and bank information. Each authorized payer is assigned a separate PIN for added security and privacy.

The University of Richmond accepts MasterCard, Discover and American Express via QuikPAY. Visa is not currently accepted. A vendor fee of 2.75% (of the amount charged) will be charged to your account for this service. Electronic checks also are accepted at this site.

Electronic payment is the preferred payment method, but is optional. Payment may be mailed or made in person at the Cashier's Office in Sarah Brunet Hall. To mail a check or money order to the University,

please print a copy of the PDF invoice, detach the bottom portion of the statement and mail with the payment (payable to the University of Richmond with your University ID number printed clearly on the check) to the Bursar's Office:

***University of Richmond***

***Box R***

***University of Richmond, VA 23173***

Satisfactory financial arrangements for room and board must be made before occupancy.

No credit is given for a term's work or for a degree conferred until all charges have been satisfactorily settled. Failure to make satisfactory financial arrangements can result in delay of graduation, denial of registration privileges, removal from classes, and/or the withholding of transcripts.

If the University deems it necessary to engage the services of a collection agency or attorney to collect or to settle any dispute in connection with an unpaid balance on a student account, the student will be liable for all collection agency and/or attorney's fees, reasonable expenses, and costs incurred. Accounts referred to a collection agency are reported to a credit bureau.

Please mail all correspondence regarding your student account to:

***Bursar's Office***

***Box R***

***University of Richmond, Virginia 23173***

**Deposits**

Upon acceptance for admission at the University of Richmond, a \$300 general fee deposit is required, and a \$300 housing deposit is required if on-campus housing is requested.

Students planning to continue in the upcoming school year are notified around January 15 to remit the appropriate deposits: a general fee deposit of \$100, and if on-campus housing is requested, a housing deposit of \$500. These deposits are payable by the

mid-February date as specified on the Student Housing website.

Deposits are treated as advance payments and are nonrefundable. While a single remittance may cover both amounts, the distinction between the two deposits remains quite clear. The general fee deposit signifies an intention to attend or to continue to attend the University. The housing deposit signifies an earnest request for on-campus housing. If there is a past due balance on your student account any deposits you make for a future term may be transferred to your student account to cover the outstanding balance.

The University always credits the general fee deposit first. If only a single deposit amount is received by the stated deadline, regardless of any accompanying instructions, the deposit will be placed in the general fee category and the presumption made that no housing is requested.

**Deferred Payments**

In recognition of the substantial interest in deferred payments, the University offers a 10-month deferred payment plan through TuitionPay by Sallie Mae. This firm represents one of several sound alternatives for financing a student's education. Information is mailed to students in April.

Further information is available at (877)279-6092, by e-mail at [info@tuitionpay.com](mailto:info@tuitionpay.com), or by visiting [tuitionpay.salliemae.com/urich](http://tuitionpay.salliemae.com/urich).

Students are urged to complete whatever arrangements they choose early, so that their accounts with the University may be settled in a timely manner.

**Late Payment Fee**

A late payment fee will be assessed on any unpaid balance. Students who fail to make satisfactory arrangements for their semester fees by the close of the business on the first day of the term will be charged a late payment fee of up to \$70.

**Tuition Refund Plan**

A medical withdrawal insurance plan (<http://controller.richmond.edu/tuition/refund/policy/plan.html>) is available through A.W.G. Dewar Inc.

Information is available at (617) 774-1555 or visit [tuitionrefundplan.com](http://tuitionrefundplan.com).

### Refunds

Inquiries concerning credit balances on student's accounts should be directed to the Office of Student Accounts, (804) 289-8147 or toll free (866) 241-8893 or [bursar@richmond.edu](mailto:bursar@richmond.edu).

### University of Richmond Refund Policy

#### Advance Deposits - Returning and Readmitted Students

General Fee Deposit - Nonrefundable.

Housing Deposit - Nonrefundable once a room has been selected or assigned.

If there is a past due balance on your student account any deposits you make for a future term may be transferred to your student account to cover the outstanding balance.

#### Advance Deposits - First-Time Students

If the accepted applicant fails to matriculate, no refund of advance deposits.

If the accepted applicant matriculates and therefore becomes a student: general fee deposit and housing deposits are refundable in accordance with the University Refund Policy.

### General Fee, Room and Board Refund

Inquiries concerning refunds should be directed to the Office of Student Accounts, (804) 289-8147 or toll free (866) 241-8893.

Students are matriculated by semester. If a student withdraws from classes or is dropped from the University for whatever cause, a refund of fees for a fall or spring semester shall be made in accordance with the University's refund policy, based on the schedule below. This schedule is adapted for summer terms. Students who withdraw from the University and receive any financial assistance may be required to return such assistance per Public Law 668.22 and institutional policy. The University of Richmond complies with all federal regulations governing recipients of federal Title IV funds. Information regarding financial aid refund policies is available from the Office of Financial Aid.

*Any special fee associated with a particular course is nonrefundable after the first day of class.*

	<b>Tuition, fees and room refund</b>	<b>Board refund</b>
Withdrawal on or before the first day of class	100% less deposits	Prorated on a daily basis through the sixth week of classes
Withdrawal during the first week of classes	85%	
Withdrawal during the second week of classes	70%	
Withdrawal during the third week of classes	50%	
Withdrawal during the fourth week of classes	25%	
Withdrawal during the fifth week of classes	25%	
Withdrawal during the sixth week of classes	25%	
Withdrawal after the sixth week of classes	None	

### Appeals Process

The University of Richmond has an appeals process for students and parents who believe individual circumstances warrant exceptions from published policy. A student or parent has six weeks from the time of withdrawal to appeal the University's refund policy.

All appeals must be in writing and directed to Annemarie Weitzel, Bursar, Box R, University of Richmond, VA 23173 or [bursar@richmond.edu](mailto:bursar@richmond.edu)

### Financial Aid

The financial aid program at the University of Richmond provides need-based grants, loans and



service and work opportunities, and it also awards merit scholarships. Applicants for financial aid must be enrolled or accepted for enrollment in a degree program at the University and, for most types of aid, must be working toward their first bachelor's or master's degree. The need-based aid programs are designed for those families who are unable to pay the full cost of a college education. For domestic undergraduate students who apply and qualify for need-based aid, we will provide a financial aid package that meets 100 percent of a student's demonstrated eligibility for need-based aid. The merit-based scholarships are provided in recognition and support of noteworthy academic achievement. These merit-based scholarships are generally awarded independently of any assessment of need, although it is possible to qualify for a combination of need- and merit-based aid.

Applicants for need-based financial aid must complete both the Free Application for Federal Student Aid (FAFSA) and the University of Richmond's Financial Aid Supplemental Application. Prospective first year students should submit the completed FAFSA by the deadline date of February 15. The deadline for transfer student financial aid applications is the same date as the admission application deadline. Generally, to be considered for need-based aid, an applicant must be a U.S. citizen or permanent resident, must be enrolled or accepted for enrollment on at least a half-time basis in a degree or certificate program, and must demonstrate financial need. Once aid is offered it is generally renewed in subsequent years if the family's financial situation stays the same. A new financial aid application must be filed each year, and the student must meet certain standards of satisfactory academic progress as outlined below.

The deadline for financial aid applications for returning students is May 15.

Students who are eligible for need-based aid, who are enrolled full time, and who meet the application deadline are offered a financial aid package that fully meets their demonstrated need. Part-time students may be considered for loans and the Federal Pell Grant.

There are a number of merit-based scholarship programs, some of which have value up to full tuition plus room and board. In most cases, students are selected from the pool of applicants for admission. However, some programs have separate applications or unique deadlines. Call the Office of Admission at

(800) 700-1662 or (804) 289-8640, or e-mail scholarsoffice@richmond.edu with questions.

The Virginia Tuition Assistance Grant is for full-time students who are residents of Virginia. In 2007-08 grants were awarded in the amount of \$3,200. Applications are sent from the Office of Admission to students who are accepted to the University. The deadline is July 31.

Financial aid awards made for an academic year may be used for study abroad if the student enrolls at one of the universities with which the University of Richmond has a direct exchange agreement. Financial aid for enrollment in approved non-Richmond programs is limited to loans and federal grants.

### **Satisfactory Academic Progress Policy**

To receive assistance from any of the need-based financial aid programs at the University of Richmond, from federal loan programs, or from most private loan programs, students must maintain Satisfactory Academic Progress (SAP) toward the completion of their degree or certificate requirements. An evaluation of progress is made at the end of each academic year, including an analysis of earned credits and grade point average. All periods of attendance will be included in the evaluation regardless of whether the student received financial aid and including enrollment at schools other than the University of Richmond. Students not making satisfactory academic progress will be ineligible for further financial assistance until the deficit is made up. Waivers of these requirements may be granted for special circumstances upon appeal to the Director of Financial Aid.

The standards of academic progress outlined here are solely for the purpose of evaluating eligibility to continue receiving financial aid as defined above. They do not replace or modify academic standards required for continued enrollment at the University of Richmond. The effect of incomplete coursework, withdrawals, and course repetitions impact SAP in the following ways:

- Incomplete coursework is not included in GPA or in number of credits earned but is counted as attempted credit.
- Courses from which a student withdraws are not included in GPA or in number of credits earned but are counted as attempted credit.

- Repeated courses are counted only one time as earned credits. However, credits for each course taken, including all repeated courses, are counted as attempted credit. Both grades will be calculated in the cumulative grade point average.

Undergraduate arts and sciences, business, and leadership studies students must meet the following minimum standards:

At the End of the Semester	Credits Earned	Grade Point Average
2	6.86	1.50
4	13.71	1.70
6	20.57	1.85
8	27.43	2.00
10	35.00*	2.00

Undergraduate students are not eligible for financial aid after ten semesters, including enrollment at schools other than the University of Richmond.

\*34.29 units for students who entered Richmond prior to Fall 2008.

#### **Return of Financial Aid When A Student Withdraws**

A student who withdraws during a semester may be entitled to a refund of certain charges as outlined in the Refund Policy (see Financial Affairs section). Withdrawal also may affect a student's financial aid eligibility for the semester as outlined in the Federal Return of Title IV Program Funds Policy and the Return of Non-Title IV Program Funds Policy.

#### **Return of Title IV Program Funds Policy**

The 1998 amendments to the Higher Education Act (HEA) of 1965 and subsequent regulations issued by the Department of Education (43 CFR 668.22) establish a policy for the return of Title IV grant and loan funds for a student who withdraws. Title IV grant and loan funds include the following programs: Federal Direct Loans, Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Academic Competitiveness Grant, National SMART Grant, LEAP funds, Federal Perkins Loan, Federal Work-Study, Federal Stafford Loans and Federal PLUS Loans.

The amount of Title IV funds the student earns up to the withdrawal date is based on a daily proration determined by dividing the total number of calendar days completed by the total number of calendar days in the semester (excluding breaks of five or more consecutive days). Adjustments must only be made up to and including the 60 percent point in time for the semester. After the 60 percent point in time, the student is considered to have earned all of the Title IV funds awarded for that semester.

Unearned Title IV funds must be returned to the Title IV programs. If the amount earned is greater than the amount that has been disbursed, the difference is treated as a late disbursement to the student.

Unearned funds up to the amount of total institutional charges (tuition plus room and board) multiplied by the unearned percentage of funds are returned to the Title IV programs by the University of Richmond. The student must return any portion of unearned funds not returned by the school. For grants, regulations limit the amount a student must repay to the amount by which the original overpayment amount exceeds 50 percent of the total grant funds received by the student. Title IV loan funds that must be returned by the student are repaid per the loan terms. Unearned Title IV funds are returned to the Title IV programs in the following order: Unsubsidized Federal Stafford Loans, Subsidized Federal Stafford Loans, Unsubsidized Direct Stafford Loans, Subsidized Direct Stafford Loans, Perkins Loans, Federal PLUS Loans, Direct PLUS Loans, Federal Pell Grants for which a return of funds is required, Academic Competitiveness Grants for which a return of funds is required, National SMART Grant for which a return of funds is required, and Federal Supplemental Educational Opportunity Grants for which a return of funds is required.

#### **Return of Non-Title IV Program Funds Policy**

Non-Title IV financial aid will be adjusted for a withdrawing student based upon the University's Refund Policy. Adjustments will be made through the sixth week of classes. The amount to be returned to the non-Title IV financial aid program is the same percentage that will be refunded to the student for tuition and room charges. After the sixth week, the student is considered to have earned all of the non-Title IV aid. Non-Title IV financial aid funds are returned in the following order: institutional grants/scholarships, nonfederal loans, agency scholarships.

Students who are receiving financial aid and who are planning to withdraw from the University during a

semester are strongly encouraged to meet with a financial aid advisor to review the impact that their withdrawal will have on their institutional charges and on their financial aid for the semester.

For further information about the various financial aid programs, contact the Office of Financial Aid at (804) 289-8438 or e-mail [finaid@richmond.edu](mailto:finaid@richmond.edu) with questions about need-based aid, or check our Web site at [financialaid.richmond.edu](http://financialaid.richmond.edu).

## Student Life

The University of Richmond, through the Office of Student Development, provides a variety of cocurricular and extracurricular programs and student-support services. These are designed to enrich the quality of the collegiate experience by creating an environment in which the student can grow intellectually, emotionally, physically, socially, and spiritually. The ultimate purpose of this environment is to help each student fulfill his or her potential.

The deans' offices for Richmond College and Westhampton College, the University's coordinate colleges, are focal points in student life matters. For the University, the offices are centers for closely knit smaller communities within the whole.

On a more personal level, a student may find the dean or staff member serving as a counselor, advisor, mentor, or collaborator. If questions remain after reading the Student Life section of this catalog, a dean's office usually can provide a more complete explanation or indicate where more information may be found. In all cases, the deans' offices are contact points to provide assistance. Each student is encouraged to make full use of these excellent resources.

### Policies

The University of Richmond is governed by policy statements that guide individual members in their actions toward each other and toward the larger community. These policy statements support the University's educational mission while seeking to ensure that both individual and group rights are appropriately observed and maintained.

### University Academic Honor Code Statute

The School of Arts and Sciences, the Jepson School of Leadership Studies, and the Robins School of Business each operate under the University Honor Code Statute. Cheating, plagiarism, lying, academic theft, disclosing honor council information, registration irregularity, and failure to report an Honor Code Statute violation are all considered breaches of the code. Any person who violates these standards shall be subject to disciplinary action ranging from reprimand up to and including expulsion from the University. Guilt or innocence

will be determined and sanctions imposed, when necessary, according to established procedures, with procedural fairness observed and with appropriate appeal procedures available. The University Honor Code Statute is available from any dean's office.

### University of Richmond Honor Councils

The University of Richmond Honor Councils provide information about the Honor System to new students and instructs them as to its meaning and operation. During new student orientation, students are given information about the honor system. Each student is required to pass a test to demonstrate an adequate knowledge of the honor system. The University of Richmond Honor Councils' policies and procedures are described in greater detail in the University's Undergraduate Student Handbook and online at [student.richmond.edu/~urhc/](http://student.richmond.edu/~urhc/).

### Standards of Conduct

The University of Richmond considers cultivation of self-discipline and resolution of issues through process of reason to be of primary importance in the educational process and essential to the development of responsible citizens. All members of the University community have a responsibility to comply with local, state, and federal laws and with all published University policies and regulations. In a community of learning, individual or group conduct that is unlawful disrupts or interferes with the educational processes, causes destruction of property, or otherwise infringes upon the rights of others or of the University itself cannot be tolerated.

The trustees of the University of Richmond have authorized a policy statement on standards of conduct, penalties, and disciplinary procedures to guide the conduct of students and their guests. This statement sets forth those standards of conduct that the University of Richmond deems essential for fulfilling its educational mission. Any person who violates the standards of conduct and regulations of the University of Richmond shall be subject to disciplinary action and, if need be, legal action. Disciplinary action may range from disciplinary warning up to and including suspension or expulsion from the University. Sanctions will be imposed after proper determination has been made in accordance

with established disciplinary procedures of the University, with fair procedures observed and with appropriate appeal procedures available, as outlined in the policy statement and any approved revisions thereof.

A copy of this policy statement and/or any officially approved revisions thereof is readily available in the Student Handbook for each student who matriculates. All members of the University community should familiarize themselves with this policy statement and revisions and with any other official publications, handbooks, or announcements issued on occasion by the University of Richmond or by individual colleges and schools of the University.

### **Right of Privacy**

Student academic and personnel records are administered under the procedures and requirements of the Family Educational Rights and Privacy Act of 1974 (P.L. 93-380), as amended. This act generally prohibits the unauthorized release of confidential information about individual students; however, directory information usually may be released. For more information, see Confidentiality or contact the Office of the University Registrar, located in Sarah Brunet Memorial Hall.

### **Alcoholic Beverages and Other Drugs**

The legal age for the consumption and possession of beverage alcohol is 21 in the Commonwealth of Virginia; the law governs all sites within the Commonwealth and all persons including temporary visitors from other places. The University supports the laws of the Commonwealth and has policies to educate and regulate its campus constituencies regarding the consumption of alcohol. Similarly, statutes as well as University policies prohibit the possession, distribution, sale, or use of illegal drugs or narcotics, including marijuana and hallucinogens. Moreover, each person is responsible for his or her destructive, obstructive, or otherwise inappropriate behavior, whether under the influence of any substance or not. Persons in violation of the law are subject to prosecution by law enforcement agencies as well as disciplinary proceedings by the University. More information about the University's alcohol and drug policy can be found online at [studentdevelopment.richmond.edu/common/PDF/UR\\_Alcohol\\_Policy.pdf](http://studentdevelopment.richmond.edu/common/PDF/UR_Alcohol_Policy.pdf)

### **Official University Communications**

The University of Richmond uses e-mail as an official means of communication within the University. Examples include notification of financial aid, tuition bills, academic or disciplinary action, instructor feedback, and correspondence from

University offices. Students are required to activate their @richmond.edu e-mail account and to check it regularly. Students are responsible for reading the content of University communications sent to their e-mail account. If students choose to forward their University emails to an external e-mail provider, they are responsible for ensuring that the external e-mail account remains active.

### **University Police**

The University of Richmond Police Department, a nationally accredited police department, is committed to providing a safe and secure environment for our students, faculty, staff, and visitors. The University of Richmond Police Department provides 24-hour uniformed response to calls for service, provides routine and directed patrol activities, performs vehicular crash investigation, and investigates criminal offenses. Additionally, all police officers are Red Cross First Responder/CPR-certified. Uniformed security officers also assist with building security and other calls for service as needed. All crimes that occur on campus should be reported to the University Police in person or by calling 911, (804) 289-8911 or (804) 289-8715. More information about the police department, including crime statistics, can be found online at [oncampus.richmond.edu/administration/police/](http://oncampus.richmond.edu/administration/police/).

### **Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act**

The University of Richmond is committed to assisting all members of the University community in providing for their own safety and security. The annual security compliance document is available on the University of Richmond Web site at [www.richmond.edu/administration/police](http://www.richmond.edu/administration/police). If you would like to receive a copy of the security report, which contains this information, you can stop by the University Police Department at Special Programs Building, #31 UR Drive, University of Richmond, VA 23173, or you can request that a copy be mailed to you by calling (804) 289-8722.

The website and booklet contain information regarding campus security and personal safety including topics such as crime prevention, University police law enforcement authority, crime reporting polices, disciplinary procedures and other matters of importance related to security on campus. They also contain information about crime statistics for the three previous calendar years concerning reported crimes that occurred on campus, in certain off-campus buildings or property owned or controlled by University of Richmond, and on public property

within or immediately adjacent to and accessible from the campus.

This information is required by law and is provided by the University of Richmond Police Department.

### **Parking Services**

The University of Richmond Parking Services strives to provide adequate, safe and accessible parking for faculty, staff, students and visitors to the University. To achieve this goal, Parking Services requests that all vehicles, including motorcycles and mopeds, be registered. Vehicles may be registered in person at the Parking Services' office or online at [oncampus.richmond.edu/administration/police/parking](http://oncampus.richmond.edu/administration/police/parking). All vehicles on campus must be properly licensed, inspected and insured. Vehicles may be removed from campus if not registered with Parking Services. Parking Rules and Regulations can be found at the Parking Services' Web site and a copy of the regulations will accompany all permits.

### **Housing and Residence Life**

On-campus housing for undergraduate students may be requested by contacting the Office of Undergraduate Student Housing. The University attempts to provide on-campus housing for full-time students who wish to be accommodated. No student is required to live on campus, and some choose to reside off campus in private homes or apartments. The University does not provide married student housing.

Residence hall rooms are available in several styles, including singles, doubles, triples, quads, and suites. Apartments are available for some upper-class students. First-year students are housed in traditional residence halls, which are primarily double rooms. Most residence halls have lounges and laundry areas. Room reservation procedures are made available at appropriate times during the school year. In general, continuing students request rooms and roommates according to the procedures established by the Office of Undergraduate Student Housing. Incoming students complete a questionnaire. Using expressed lifestyle, mutual interests, and other criteria, the Office of Undergraduate Student Housing assigns rooms and roommates.

General supervision of the residence halls is provided by Master's level professional staff who are assisted by specially trained upper-class students. University policy is the framework under which all campus residences are governed.

Numerous educational and social programs are planned for residents by the residence life staffs of the colleges, the office of Living & Learning programs, the Residence Hall Association and the President's College Associates. These programs make the residence halls and apartments into living and learning environments that promote a sense of community and personal growth.

### **General Conditions**

The Housing Contract sets forth the specific terms and conditions applicable to residence hall rentals, meal plans, telecom services, and data services. Each student approved for housing is referred to the appropriate website where a copy of the Housing Contract is available for preview. In addition, the terms and conditions of the Housing Contract and associated documents must be agreed upon prior to being housed. This is an electronic agreement. Detailed information regarding residence life and housing is available in the college handbooks.

### **Arts and Cultural Events**

The Modlin Center for the Arts presents more than 35 world-class performing arts events as part of the Modlin Great Performances Series, four main-stage productions presented by the University Players and Dancers, and another 22 music performances as part of the Department of Music's annual free concert series. Located throughout campus, University Museums presents more than 20 exhibitions of national and international art and artifacts as well as student work. In addition to arts events, the Jepson School of Leadership Studies, the WILL program, and many academic departments sponsor lecture series.

### **Student Life Services**

#### **Career Development Center, Office of Alumni and Career Services**

The Career Development Center, Office of Alumni and Career Services, advises and supports undergraduate students and alumni throughout the career development process. The office approaches career development as a continuous learning experience that begins during a student's first year at Richmond. Staff members work with undergraduate students in all majors to assist them in discovering their individual paths for success. Richmond students achieve a high rate of success after graduation. They are employed in a diverse range of industries and are accepted at some of the best graduate and professional schools in the world. In fall 2008, the office relocated to a newly renovated space located on the third floor of Tyler Haynes Commons.



The CDC assists students in:

- Exploring interests and abilities
- Choosing majors
- Connecting with internships and learning experiences
- Investigating graduate and professional school options
- Landing their first jobs

Programs & Events include:

- Individual career advising
- Industry expos
- Career workshops and panels
- Spider Road Trips to explore industries in various metropolitan areas
- "Evening of Etiquette"
- Mock interviews
- On-campus interviews
- Off-campus recruiting events

### **Exclusive Search Engines**

Richmond students and alumni have access to the University's exclusive job opportunity database, SpiderConnect, which allows them to search for internships and full-time position postings, apply for interviews and register to attend organizational information sessions. Career15 gives Richmond students access to opportunities open to students from Virginia's colleges and universities. The University Career Action Network (UCAN) allows Richmond students access to internship postings throughout the world.

The UR Career Network allows students to search for and connect with Richmond alumni in varying industries and geographic areas for career networking.

### **Recruiting Programs & Events**

Every year, the Office of Alumni and Career Services hosts organizations for information sessions and on-campus interviews. Organization representatives, professionals and alumni also attend five industry-focused expos held throughout the academic year. In addition to bringing employers on campus to recruit Richmond students, the office works to bring students to major metropolitan areas through Spider Road Trips. The office also assists students in applying for and attending regional and national career fairs.

For more information, visit [cdc.richmond.edu](http://cdc.richmond.edu).

### **Counseling and Psychological Services**

CAPS staff members are licensed doctoral-level mental health professionals who help students derive the greatest benefit from the educational opportunities at UR. Services offered include short-term individual psychotherapy, crisis intervention, outreach, training, consultation, and referral to other on- or off-campus resources as needed. Services are offered from about mid-August to about mid-June and are available to full-time students. Common reasons students come to CAPS include stress, anxiety, depression, relationship concerns, academic difficulties, grief, family concerns, traumatic events, eating problems, substance abuse, and sleep disturbance. Appointments can be made by visiting the CAPS office (201 Richmond Hall) Monday through Friday from 8:30 a.m. to 12 noon and 1 to 5 p.m. Confidentiality is assured to the full extent allowed by law. The CAPS Web site ([caps.richmond.edu](http://caps.richmond.edu)) has additional information on CAPS services, links to anonymous online screening surveys, and a variety of other mental health information. Phone: (804) 289-8119; FAX: (804) 287-1227.

### **Bonner Center for Civic Engagement**

The Bonner Center for Civic Engagement (CCE) helps students, faculty, and staff get involved in the Greater Richmond community. The CCE brings together its campus constituents and community members to address social issues in context and to respond to community-identified needs through community-based learning and research, advocacy work, deepened awareness of current events, service, alternative breaks, and city tours. Located in Tyler Haynes Commons, the CCE works with faculty and students to integrate academic learning with the pressing social issues facing the Richmond region and beyond. The CCE also sponsors educational programming on important local, national, and international issues.

### **Office of Common Ground**

Common Ground supports the University's core principles of diversity and inclusion. Offering signature programs such as Safe Zone, the Cultural Advisors, Diversity Roundtable and an annual social justice retreat, Common Ground invites all students to join in the work of building a truly inclusive community.

Through workshops, diversity trainings for student leaders, all-campus programs, private consultation, and resources on numerous issues of difference, the staff of Common Ground is ready and willing to work with any student or group who wishes to

explore topics of diversity, community, inclusion, or social justice.

### **Disability Accommodations**

The University seeks to comply with all applicable federal, state, and local laws regarding the rights of individuals with disabilities. To facilitate such compliance, the vice president for student development serves as the University's disability coordinator. The University does not discriminate on the basis of disability in admission. Therefore, applicants are not required to provide information about their physical condition or disability status prior to admission. Individuals with disabilities are invited to contact the disability coordinator regarding any accommodations they may require in visiting the campus or upon matriculation. The University provides reasonable adjustments or accommodations in its academic programs as necessary for equal opportunity and participation for qualified students with disabilities.

### **International Students and Study Abroad**

The Office of International Education, located in Puryear Hall, serves all students, undergraduate and graduate, in arts and sciences, business, leadership studies, continuing studies, and law. It offers advising on opportunities and procedures for study, internships, and work abroad; a wide variety of services for international students such as orientation, visas, work, health insurance, and taxes; and a broad range of cultural and social activities focused on cultures and countries around the world as well as cross-cultural issues.

### **Multicultural Affairs**

The mission of the Office of Multicultural Affairs is to support the ongoing enrollment and retention of ethno-culturally and socio-culturally diverse American students and promote a campus climate that celebrates diversity. Working in collaboration with a variety of other offices and departments campus-wide, the Office of Multicultural Affairs develops, implements, and advocates for programs that are designed to enhance the overall personal development and growth of University students.

### **Student Health Center**

The Student Health Center offers a comprehensive program in health education and health maintenance, as well as treatment for illness and injury. The Health Center staff includes board-certified family practice physicians and registered nurses. Services include acute care for illness and injury, general medical care, women's health, men's health, allergy shots, and immunizations. The telephone number is (804) 289-

8064 and FAX is (804) 287-6466. Students and parents are encouraged to visit the Health Center's website for general information and timely messages: [healthcenter.richmond.edu](http://healthcenter.richmond.edu) and the Health Center can be reached by e-mail at [healthcenter@richmond.edu](mailto:healthcenter@richmond.edu). Rather than walking in without an appointment, students are encouraged to call and speak with a registered nurse about their concerns through the Dial-A-Nurse system (call 804-289-8700 for the Dial-A-Nurse). After evaluating the history and symptoms of the illness, the nurse will advise the most appropriate treatment. If indicated after the Dial-A-Nurse evaluation, an appointment will be made. Appointments may be made for annual gynecological examinations, doctor-requested follow-up visits, allergy shots, immunizations, and PPD tests by calling (804) 289-8064.

All full time students are eligible for the services provided by the Student Health Center. (School of Continuing Studies students are not eligible.) The cost of prescription drugs, some laboratory tests, hospital emergency room treatment, hospitalization, x-rays, and referral off campus for consultation with medical specialists are not covered by any student fees. These costs will be billed separately by the provider.

The Student Health Center does not accept insurance assignments. This means we will not bill a patient's insurance company. Any charges incurred at the time of visit will be billed through student accounts or may be paid by check, cash, or Spider Card. The patient will be provided with a medical encounter form itemizing all charges and containing all necessary information to submit for insurance reimbursement.

Information regarding hours of operation, descriptions of services, details of allergy shot procedure, billing and insurance questions, medical information, community facilities, medical referrals, and helpful links can be found on the Health Center's website.

Virginia law mandates that each student submit an immunization record and tuberculosis screening status prior to enrollment. In compliance with this requirement, the immunization record is included in the health history form provided to entering students and is to be returned to the Student Health Center. All communications between student and Health Center staff are strictly confidential. Information will not be released from the Student Health Center without the patient's prior approval except in an emergency or by court order.

### **Student Activities and Organizations**

No matter what your interests, you'll be able to pursue them with passion at Richmond. Find your niche within our approximately 275 student clubs and organizations

([activities.richmond.edu/organizations/list.html](http://activities.richmond.edu/organizations/list.html)) and our unique Greek system

([activities.richmond.edu/greek-life/index.html](http://activities.richmond.edu/greek-life/index.html)). If there is no existing club that meets your interest, you can create a new one

([activities.richmond.edu/organizations/start-an-organization.html](http://activities.richmond.edu/organizations/start-an-organization.html)).

You'll never run out of things to do at Richmond. The Office of Student Activities and other programming entities make sure of that through a wide variety of on-campus entertainment options ranging from concerts to movies to comedians.

### **Intercollegiate Athletics**

The University of Richmond is a proud member of the National Collegiate Athletic Association, the Atlantic 10 Conference, and the Colonial Athletic Association. All of the University's intercollegiate athletics sports are NCAA Division I, including Championship Division football. All teams participate in the Atlantic 10 Conference; the football team is a member of the Colonial Athletic Association. The intercollegiate athletics program offers nine sports for men and 10 for women. The men's teams include baseball, basketball, cross country, football, golf, soccer, tennis, and track (indoor and outdoor). The women's intercollegiate athletics teams compete in basketball, cross country, field hockey, golf, lacrosse, soccer, swimming, tennis, and track (indoor and outdoor).

### **Recreation and Wellness**

The mission of the Department of Recreation and Wellness is to enhance the lives of its members by providing quality recreational and educational programs in an environment that promotes healthy lifestyles, academic productivity, and personal growth.

The Weinstein Center for Recreation and Wellness provides a comprehensive facility that includes a two-level fitness and wellness center, three-court gymnasium with an elevated walking and jogging track, two multipurpose rooms, pool, game room, and racquetball and squash courts, as well as locker room and sauna facilities. Participants have the opportunity to experience a full range of cardio and strength equipment, in addition to a wellness resource center and computer lab. Outdoor playing fields and lighted

basketball and sand volleyball courts are available for recreational use. Thirteen tennis courts, a 400-meter track, and cross country trails are also available for recreational use when not scheduled for intramurals, intercollegiate athletics, or special events. The campus recently added an 18 hole disc golf course available for recreational use.

The fitness and wellness program offers group exercise, indoor cycling, and other fitness programs throughout the day. In addition, special screenings, assessments, and services are offered to address health and wellness topics. Services often include massage therapy, personal training, cholesterol screenings, blood pressure checks, and fitness assessments.

The intramural sports program offers a wide range of major and minor sports at a variety of skill levels. More than 25 sport clubs provide student leadership opportunities as well as competitive options for students who are not part of the varsity athletic program. The Natural High and Outdoor Adventure programs offer activities and trips throughout the year, often including whitewater tubing and rafting, camping, skiing, rock climbing and hiking. The Odyssey high ropes course is one component of a much larger and long term departmental goal for developing a comprehensive Outdoor Experiential Education program.

For more information about recreation and wellness programs or the Weinstein Center, please visit [recreation.richmond.edu](http://recreation.richmond.edu) or call Member Services at (804) 289-8361.

### **Student Government**

To as great an extent as possible, the University places the governance of students in the hands of students. The coordinate colleges and the schools of business and leadership studies each have their own elected student government association which responds to the needs and interests of its specific students. In addition, student representatives are chosen to sit and vote on certain committees of the Board of Trustees and of the faculty. Each college has its own honor council and its own judicial council composed entirely of students.

### **Dining Services**

University of Richmond Dining Services is a multi-operation department consisting of dining locations, snack shops, and retail stores. The E. Bruce Heilman Dining Center is a state-of-the-art facility overlooking Westhampton Lake that serves approximately 3,000 students and guests daily. A



retail market is located off the main lobby and the upper level of the facility houses the Department of Food and Auxiliary Services and the campus post office.

The centrally located Tyler Haynes Commons (THC) houses Tyler's Grill, an eat-in or carry-out operation with a dining area that faces Westhampton Lake and gazebo. The campus smoothie bar, Freshens, and the Cellar, a late-night gathering space, are also located in THC. For late-night studying at Boatwright Library, gourmet coffee, hot drinks, and snacks are available at Eight Fifteen at Boatwright. Sodas, snacks, and grocery items also are available at the Dean's Den, located in the Whitehurst building near the Richmond Dean's office.

### **Meal Plans**

All students living on campus, except those in University Forest Apartments, are required to participate in a meal plan. University Forest residents can waive meal plan participation, choose from any of the campus meal plans, or purchase a Spider Flex Plan of dining dollars designed for their convenience. An off-campus meal plan also is available for commuting students. Details of the various meal plan options, including the Spider Flex and off-campus plan, are available on the dining services Web site at [dining.richmond.edu](http://dining.richmond.edu).

### **Meal Plan Selections and Policy of Change Requests**

Students are provided the opportunity to make their meal plan selection via BannerWeb each fall and spring for the next semester. For returning students, meal plans roll over from semester to semester. If you are moving to University Forest Apartments or off campus, your plan is not automatically changed or cancelled. It is the student's responsibility to change their plan in Bannerweb before the published deadline. Deadlines by which this selection must be made are sent to students through a SpiderByte e-mail announcement and are posted on the dining services website. Once the selection is made, only one additional adjustment is permitted and must be made prior to the published deadlines. To initiate a change, the student must personally contact the One-Card Office. After the deadline, a change can be made only with the approval of the associate director of dining services and will incur a \$50.00 processing fee. A student may be permitted to move between the appropriate meal plans, but no refunds will be issued. Any decrease in charges will automatically be credited to a University One-Card account for the student's use on campus. Increased charges will be due at the time of the change or will be billed.

### **Hours of Operation and Other Services**

Students can find something to eat somewhere on campus whenever classes are in session, from 7:15 a.m. to midnight Monday through Thursday, Fridays from 7:15 a.m. until 1:00 a.m. and Saturday and Sunday from 10:30 a.m. until 1:00 a.m. Dining services maintains an up-to-date schedule of menus and operational hours for all campus locations on its Web page. Meal plans follow the undergraduate academic calendar, and service and hours may be limited during academic breaks and holidays. Catering and a wide variety of additional services, including nutrition counseling and meals-to-go, are also available through University Dining Services. Additional information is available upon request or can be viewed at [dining.richmond.edu](http://dining.richmond.edu).

### **Special Dietary Needs**

With a registered dietician as a member of the University dining services team, every effort is made to support special dietary needs that are medically based. Medical documentation is required, and students with dietary restrictions or special needs are asked to make an appointment to see our nutrition professional. Students will be required to sign an informational release so that their situation can be discussed with their physician or medical professional as needed. In addition, dining services may require that students consult the University's physicians regarding their dietary requests.

The University does not have designated facilities to accommodate religion-based dietary needs on a daily basis. However, we do work closely with the campus ministry to provide kosher meals for Passover selections and carry-out meals during Ramadan. Please contact the associate director of dining services if you have questions regarding available services.

### **Bookstore**

The University Bookstore carries textbooks for all courses scheduled for a given term at the University. A comprehensive selection of reference books and general reading materials is also available. The store offers academically priced software, computer and office supplies, greeting cards, gifts, clothing, and health and beauty aids. Services include faxing and UPS shipping. The bookstore's Web site is [urspidershop.com](http://urspidershop.com).

### **Student Identification Number**

In an effort to better protect the privacy of each member of the University of Richmond community, the University uses randomly generated ID numbers

of each student, employee, faculty member, and alumnus/a.

A student will be assigned a University of Richmond ID number as the primary identification for University records when he/she enters the University. This eight-digit number will be printed on each student's One-Card (unless the student requests that it not be printed). This ID number also will be used in conjunction with a confidential PIN for students to register for classes and access their academic records through the Web using the University of Richmond's Student Information System (BannerWeb). A Social Security number will still be required to be on file with the University to fulfill IRS and federal reporting requirements.

#### **Identification Card/One-Card**

Each degree- or certificate-seeking student will be issued a picture identification card (One-Card) upon request. This card verifies that the holder is eligible to receive University library and certain other campus privileges. A campus ID is required for check cashing and access to athletic facilities and serves as your meal card if applicable and library card. Neither the card nor its privileges is transferable.

All University students may sign up for the University's SpiderCard Account, a declining balance program which allows students to access previously deposited funds via their University One-Card. The SpiderCard Account allows students the ability to make purchases without carrying cash and can be used at the bookstore, the Student Health Center, most vending machines, for on-campus pizza delivery, in One Card Services for passport photos,

for concessions in Robins Stadium/ Robins Center, and all campus dining locations. Students will be mailed information before the fall semester regarding SpiderCard sign up. Complete information on the One-Card is available at [onecard.richmond.edu/](http://onecard.richmond.edu/).

#### **Written Complaints and Grievances**

Students who wish to lodge a complaint or grievance pertaining to University policies, procedures or conditions may address their complaints in written form to the appropriate department head or official who oversees the area of concern. If in doubt as to whom to direct the complaint, the following officials may be contacted:

#### **Academically related concerns:**

##### **School of Arts and Sciences:**

Dean of Richmond College (Men)

Dean of Westhampton College (Women)

##### **Robins School of Business:**

Dean of the Robins School of Business

##### **Jepson School of Leadership Studies:**

Dean of the Jepson School of Leadership Studies

##### **Housing Concerns:**

Director, Office of Undergraduate Student Housing

##### **Financial Policy Concerns:**

Vice President for Business and Finance

##### **All other concerns:**

Vice President for Student Development

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## **Confidentiality/Privacy Rights/Right to Know**

University of Richmond procedures and the Family Educational Rights and Privacy Act (FERPA) prohibit the unauthorized release of confidential information about individual students. However, directory information is not considered to be confidential and may be published or otherwise released. Directory information includes: name; addresses, including permanent, campus, local (off-campus), e-mail, and campus computer network (IP) address; associated telephone numbers; date and place of birth; school or college; major and/or minor fields of study; degree sought; expected date of completion of degree requirements and graduation; degrees conferred; awards and honors (e.g., dean's list); full- or part-time enrollment status; dates of

attendance; previous institutions attended; participation in officially recognized activities and sports; weight and height of members of an athletic team; and photograph. A full list of information considered directory information is available on the Office of the University Registrar's Web page at [oncampus.richmond.edu/academics/registrar/policy/ferpapolicy.html](http://oncampus.richmond.edu/academics/registrar/policy/ferpapolicy.html) or by contacting the Office of the University Registrar. Students may opt to have their directory information withheld. To exercise this option, the appropriate form must be obtained from the Office of the University Registrar, completed, and returned to that office. Once filed, this form remains in effect until withdrawn by the student in writing to the Office of the University Registrar. For further

information, contact the Office of the University Registrar.

### **Rights with Respect to Education Records**

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

1. **Access to Education Records:** students have the right to inspect and review their education records within 45 days of the day the University receives a written request for access. Students should submit their request to the Office of the University Registrar and specify the record(s) they wish to inspect. Arrangements will be made for access and the student notified of the time and place where the records may be inspected.

2. **Request for Amendment of Education Records:** students have the right to request amendment of their education records if they believe the records are inaccurate. They should write the University Registrar, clearly identify the part of the record they want changed, and specify why it is inaccurate. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding hearing procedures will be provided to the student when notified of the right to a hearing.

3. **Disclosure of Education Records:** students have the right to consent to disclosures of personally identifiable information contained in education records, except to the extent that FERPA authorizes disclosure without consent.

One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interest. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving

on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. 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.

Upon request, the University discloses records without consent to officials of another school in which a student seeks or intends to enroll.

4. **Right to File a Complaint:** Students have the right to file a complaint with the U.S. Department of Education concerning alleged failures by the University of Richmond to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

***Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue, SW  
Washington, DC 20202-4605***

The University's complete policy statement can be found on the University Registrar's Web page at: <http://oncampus.richmond.edu/academics/registrar/policy/ferpapolicy.html>.

NOTE: Because of the access afforded by a University ID, this number is not considered directory information and will not be released without a student's consent except in situations as listed above. Students should treat the University ID as confidential-it should be protected and not carelessly shared with others. It will be used for a student's entire time at the University of Richmond, so it should always be treated in a confidential manner.

### **Right To Know**

In accordance with the Student Right To Know and Campus Security Act, the University of Richmond makes graduation rates available to all current and incoming students. These figures can be found on the University's Web site at [oir.richmond.edu/studentrtk.htm](http://oir.richmond.edu/studentrtk.htm).

## Academic Opportunities and Support

### Academic Advising

An important part of a liberal arts education at the University of Richmond is the relationship between a student and his or her academic advisor. All full-time faculty members in the undergraduate schools and some experienced staff members serve as advisors. While some professors advise only majors in their programs, most advise both majors and students who have not yet declared a major. The ratio of students per advisor is intentionally kept low so students can benefit from personal attention as they plan their academic program.

While the University believes that the responsibility for decisions and actions resides with each individual, advisors are available to answer questions about the curriculum and choosing courses and to help students navigate their years at Richmond. They can assist students along the path to choosing a major, examining career choices, and deciding on research studies or internships. Many graduates report that their advisor was a highly valuable resource to them, and many advisees and advisors remain in touch after the student has left the University.

In addition, the Academic Advising Resource Center (AARC) is available to assist both advisors and advisees with any questions or concerns. For more information about academic advising, contact the AARC at [advising.richmond.edu](http://advising.richmond.edu).

### Academic Support Centers

#### Academic Skills Center

The Academic Skills Center, located in the administrative wing of Boatwright Library, provides academic skills support to University of Richmond students. Operating from an holistic vantage point, the Center incorporates counseling and academic skills techniques (e.g., exam preparation, critical reading, critical thinking, note-taking, information processing, concentration, time management, etc.), that address the academic performance of students and their social adjustment to the University environment. The Center offers free tutoring in a variety of subjects (e.g., calculus, chemistry, accounting, etc.) to students through its Peer Academic Skills Tutoring program. Both individual and group tutoring options are available. Call (804)

289-8626, visit [asc.richmond.edu](http://asc.richmond.edu) or come by the Center for more information.

#### Weinstein-Jecklin Speech Center

Practice and preparation can make the difference between a satisfactory speech and a memorable one. Video recording, review, and peer consultation are available at the speech center to assist students in the development of their oral presentations. Administrators, faculty, and staff rely on the speech center as well to prepare for workshops and to record small group discussions for classroom purposes. The student consultant staff assists client peers with mock interviews, symposia presentations, brainstorming, or conference panel practice sessions.

Faculty and trained undergraduate students conduct consultations daily at the speech center; practice sessions are available evenings and weekends by appointment. Reservations are made through the speech center's Web site at [speech.richmond.edu](http://speech.richmond.edu). The speech center is located on the fourth floor of Weinstein Hall between the departments of rhetoric and communication studies and journalism.

#### Writing Center

The Writing Center offers assistance to students writing papers and reports as well as to those making applications to graduate and professional schools and preparing résumés. Beginning about the third week of each semester, the Writing Center is open on a regular basis and staffed with student tutors. Students may make an appointment using the center's online calendar. The Writing Center also offers typing instruction and special tutoring for international students. The center is located in the Boatwright Library's Administrative Wing, under the bell tower to the right of the library's main entrance. Many of the center's materials and other information can be found at [writing.richmond.edu](http://writing.richmond.edu).

#### Honor Societies

Many honor and professional societies have chapters at the University of Richmond.

**Phi Beta Kappa** is the oldest undergraduate honor society in the United States. The Richmond chapter, Epsilon of Virginia, was founded in 1929. Phi Beta Kappa members are selected from the Schools of

Arts and Sciences and Leadership based upon academic achievement.

**Beta Gamma Sigma** is the national honor society for business students. The University of Richmond chapter was founded in 1965. Faculty members select students for membership based on distinguished academic record.

**Omicron Delta Kappa** is the national leadership honor society. Chartered in 1921, Richmond's ODK chapter recognizes academic achievement, leadership, and membership positions

**Golden Key National Honour Society** recognizes and encourages scholastic achievement. Richmond's chapter was chartered in 1990 and provides academic recognition, leadership and community service opportunities, and educational programs for its members.

**Mortar Board** is a national honor society that recognizes college seniors for distinguished scholarship, leadership, and service. Membership is open to rising seniors by invitation.

In addition to these campus-wide honor societies, many departments sponsor campus chapters of national honor societies in their disciplines. Information regarding departmental honor societies can be obtained from individual departments.

### **WILL Program (Women Involved in Living and Learning)**

WILL is a four year, nationally recognized program for women interested in exploring gender and diversity issues both in and out of the classroom. Students strengthen their leadership skills as they actively work to create a more equitable world. The first program of its kind, WILL has been replicated by schools around the country.

WILL consists of three complementary components:

1. Women, Gender and Sexuality Studies (WGSS) minor
  - The WGSS minor serves as the cornerstone of the WILL curriculum, providing a theoretical framework for the examination of gender, societal institutions, individual beliefs and a wide range of social justice struggles and achievements.

- The minor includes a supervised internship, which provides invaluable experience for career preparation.
- The minor in WGSS complements all majors and minors and enhances study abroad opportunities.

2. Leadership

- WILL students develop leadership skills and gain real-world experience over the course of the four-year program.
- Students apply academic knowledge to social problems in the campus community, the city of Richmond and beyond.
- Students are involved in active decision-making through the WILL student leadership organization, which includes an elected board and student committees.

3. Gender and Diversity-Related Events

- WILL sponsors events throughout the year, including an annual speaker series, that bring prominent women and men to campus to discuss gender and diversity-related topics.
- WILL students meet with scholars and activists in small groups in order to learn more about the speakers' expertise in a more intimate setting.

The WILL program fosters a deeper understanding of gender and its intersections with race, culture, class, sexuality, and other aspects of social identity. By connecting students with one another, and to a strong and supportive network of faculty, staff, students, alumnae, and community mentors, WILL students develop critical thinking, problem-solving, and leadership skills. In addition, WILL provides opportunities for women to explore career and life choices that enable them to excel and realize their full potential.

Applications are accepted during the summer and in the fall of a student's first year at the University of Richmond. Subject to space availability, sophomore women may also apply. For further information, visit WILL's website: [will.richmond.edu](http://will.richmond.edu).

### **Sophomore Scholars-in-Residence**



Beginning August 2009, the University will offer several unique living and learning communities designed to enhance student learning beyond traditional methods. Sophomore students will be invited to live in special learning communities in Lakeview Residence Hall that revolve around a central theme. Residents take a credit-bearing class together that meets in a classroom/kitchen area

located on the first floor of Lakeview Hall. Students are actively involved in experiential and social activities outside of class time with the professor. Themes may include politics, foreign language, outdoor adventures, civic engagement, and literature. Questions can be directed to the vice president for student development.

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## International Education

The academic programs of the schools of arts and sciences, business, and leadership studies provide opportunities for the study of international subjects within academic fields long associated with such issues as political science, anthropology, and languages and literatures. Importantly, in response to changes in the world and in higher education, the University has committed itself to the internationalization of the curriculum as a whole. There is a large and growing number of courses in all departments that include international components. Interdisciplinary majors such as environmental studies, German studies, American studies, and international studies also examine international and global issues and regional politics that may cross national borders. Students interested in international issues can combine a major in a traditional academic discipline with an interdisciplinary program, for example, international studies and biology. The curricula of the Jepson School of Leadership Studies and the Robins School of Business also offer a significant number of courses that are international in scope and focus, including the concentration in international business in the Robins School of Business.

The University of Richmond places strong emphasis on the integration of international education into the academic and co-curricular experience of all students. To that end, the Office of International Education (OIE) organizes activities and events such as lectures, concerts, discussion groups, study abroad fair, and an annual international film series (<http://library.richmond.edu/mrc/international-film-series.html>). The OIE also organizes a biannual faculty seminar abroad program (<http://international.richmond.edu/abroad/faculty-staff/seminar/index.html>) designed to enhance the international experience and expertise of its faculty to further internationalize the curriculum. An International Resource Center with travel, work, and volunteer information is located in the OIE.

### Campus Activities

The University of Richmond provides a wide range of on-campus activities and events in support of international education. Courses, lectures, and seminars are offered by resident and visiting international scholars, writers, and artists. Exhibits, concerts, and the annual International Film Series bring to campus arts from around the world. Students are able to participate in a variety of international organizations such as the Asian Students Association, Multicultural Student Union, International Club, Model United Nations, Phi Beta Delta, Amnesty International, and Americans for Informed Democracy. Familiarization with other countries and cultures is enhanced on campus through contacts with a significant and growing number of international students, including exchange students from Richmond's partner institutions who are fully integrated into the life of the University.

Cross-cultural education and dialogue at Richmond take place in residence halls as well as in classes. While the great majority of international students live in general residence halls, the Global House is home to a community of U.S. and international students. Programs planned and executed by students living in the Global House (<http://livinglearning.richmond.edu/upper-class/global-house.html>) are open to the entire University community. The rapidly growing international student population has recently included representatives from Afghanistan, Albania, Argentina, Australia, Austria, Bahamas, Bangladesh, Bolivia, Bosnia & Herzegovina, Botswana, Bulgaria, Cambodia, Canada, China, Cyprus, Czech Republic, Denmark, Dominican Republic, East Timor, Ecuador, El Salvador, Estonia, France, Germany, Ghana, Guatemala, Honduras, Hong Kong, India, Iraq, Ireland, Italy, Jamaica, Japan, Lithuania, Malaysia, Mexico, Moldova, Netherland Antilles, Netherlands, Niger, Nigeria, Norway, Pakistan, Palestinian Authority, Panama, Paraguay, Peru, Poland,

Romania, Russia, Rwanda, Saudi Arabia, Serbia, Singapore, South Korea, Spain, Sweden, Switzerland, Taiwan, Thailand, Tibet, Trinidad & Tobago, Turkey, UK, Ukraine, Vietnam, Zambia, Zimbabwe.

### Study Abroad

The University of Richmond has relationships with over 70 distinguished universities and study abroad programs around the world. These study abroad opportunities enhance Richmond's curriculum by offering students a wide variety of courses and experiences. Students who meet the stated eligibility criteria as stated on the UR study abroad Web page (<http://studyabroad.richmond.edu/index.cfm?FuseAction=Programs.AdvancedSearch>) can be considered for study abroad for a semester, year, or summer. With faculty approval, students may earn major, minor, and elective credits toward graduation. Each year a few short faculty led programs abroad related to specific courses are offered during semester break periods.

At the University of Richmond, we believe that study abroad is most effective when students are integrated into the local educational system and culture. Therefore, most Richmond semester programs involve direct enrollment in universities abroad (<http://international.richmond.edu/about/partners.html>) with on-site support provided by the host university's international office. Professional staff offer guidance, advising, and support throughout the entire study abroad process. The office organizes extensive orientation programs to help prepare students prior to departure. Upon return from study abroad, the OIE organizes a re-entry event to help reintegrate students into the University community and to identify opportunities for continuing international education on campus and in the community.

Direct experience of cultures is the best way to learn to communicate across barriers of language, customs, politics, and geography. An encounter with different values and educational systems, when supported by good will and serious study, broadens students' understanding of the complexities of our rapidly changing world. Students who study abroad find their experiences both in and out of the classroom to be stimulating and rewarding. They return with a better understanding not only of other cultures, but also of their own.

While study abroad has long been recognized as a significant component of a liberal arts education,

today students majoring in the sciences, leadership studies, or business are actively participating in study abroad in growing numbers. Study abroad is possible and encouraged for all students, regardless of their major and financial situation. Students who meet required procedures and standards may transfer up to 5.5 units per semester from study abroad and graduate with their class in four years. It is a common misconception that proficiency in a foreign language is necessary for study abroad. It is, in fact, quite feasible to study in English in non-English-speaking countries where English is widely used and courses in English are offered. It is also possible to combine intensive study of a foreign language with other courses taught in English.

### Early planning

(<http://studyabroad.richmond.edu/?go=steps%5Fto%5Fstudyabroad>) is crucial to any successful study abroad experience. The selection of an appropriate program must take into account the student's academic background and personal interests. Students are encouraged to begin exploring the opportunities for foreign study as early as the first year and to plan their University of Richmond courses accordingly. When deciding when and for how long to study abroad, a variety of options can be considered. Richmond students have opportunities to study abroad for a year, a semester, or a summer, in the second, third, or even the fourth year. Combining summer study after the first year with semester or year study abroad during the third year is among the best choices.

There are a number of study abroad options. During the academic year there are opportunities to study through the University's exchange and affiliate programs worldwide (<http://international.richmond.edu/about/partners.html>). During the summer, the University of Richmond School of Continuing Studies (<http://scs.richmond.edu/summer/abroad.html>) sponsors a number of summer study abroad programs directed by Richmond faculty. Internships are available in Australia, England, Germany, Ireland, Mexico, and South Africa. The University invests considerable resources to create study abroad programs consistent with the standards and educational objectives of this university and the needs of its students. Richmond students will be expected to enroll in Richmond programs, unless there is a compelling reason why a Richmond program does not meet a student's academic needs. Decisions regarding petitions for non-Richmond semesters abroad are made by a subcommittee of the

International Education Committee, in collaboration with the OIE and the departments from which the student is seeking academic credit. See OIE web page for information on deadlines by which such petitions must be submitted. Transfer credits for semester study abroad will be awarded only for preapproved programs.

After an appropriate study abroad program has been selected, each student should meet the established admission criteria as listed on the OIE study abroad Web page. Students are expected to meet deadlines and follow procedures as stated on the study abroad web site. Students are required to indicate a second choice in the study abroad application in case placement in the first choice is not possible due to eligibility concerns or if the program is full.

Maintenance of status as a current student can be assured only if the program is approved and the student maintains a full-time course load abroad. Credit transfer for study abroad can be assured only if the program and courses have been approved and an equivalent grade of C or better is earned. Credit for repeat courses or in disciplines not taught at Richmond will not be granted. Please see the

Academic Procedures section (<http://undergraduatedcatalog.richmond.edu/procedures/>) for additional administrative information.

For specific information on financial aid (<http://studyabroad.richmond.edu/?go=FinancialAid>) for study abroad, consult the Office of Financial Aid. Almost all financial aid is transferable to University of Richmond academic semester and year programs. See [studyabroad.richmond.edu/](http://studyabroad.richmond.edu/) for more information.

### **International Student Advising**

The Office of International Education is the primary "port of call" for international students, scholars, and visitors before and during their stay at the University. Immigration, employment, health insurance, academic, cultural, and practical matters are addressed by the staff in consultation with relevant academic departments and administrative units of the University. In order to help international students and scholars integrate to the University and the United States, the office organizes orientation sessions as well as cultural and social activities throughout the year.

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## **Academic Procedures**

The University of Richmond has, for each academic program, procedures and degree requirements that must be satisfied before the degree can be granted. The student is responsible for knowing the specific requirements and planning appropriately to allow for the completion of these requirements. Depending on the program, the University provides either or both academic advisors and administrative personnel to assist students with their plans. In any case, the final responsibility for following procedures and meeting degree requirements rests solely with the student.

The following sections describe academic policies, regulations, and procedures. If no indication of school is given, that section pertains universally to the School of Arts and Sciences, the Robins School of Business, and the Jepson School of Leadership Studies. When a statement pertains to a particular school or schools, it is listed under the appropriate school heading.

### **Advanced Standing**

#### **I. Credit By Examination**

The University of Richmond accepts several credit-by-examination options. All students at the University may apply a maximum of seven units of transfer credit from work, including credit by exam, to a University of Richmond degree. The following are guidelines for the most common examinations warranting credit. Specific details regarding each of these options and advanced standing examinations from French, German, and English-based educational systems can be found in the Credit by Exam policy. This policy is available from the Office of the University Registrar and the Office of Admission. Both offices will further serve students with international exams on a case by case basis.

#### **A. Advanced Placement**

The University of Richmond participates in the Advanced Placement program of the College Board. Successful candidates for admission who have taken Advanced Placement examinations and have the official results submitted may be eligible for credit or an exemption. The exams must have been taken prior to the student's initial enrollment at the University.



Students who have received appropriate scores on Advanced Placement examinations (as established by the departments concerned) may receive credit for or may be exempt from a general education requirement if the Richmond equivalent courses for which they will receive credit can be used by Richmond students to meet fields of study requirements. Specific allocations of AP credit for communication skills or fields of study requirements may vary from year to year. Current information is available from the Office of the University Registrar.

### **B. CLEP**

The University of Richmond awards credit on a limited basis for an acceptable performance on a College Level Examination Program (CLEP) examination recognized by the University academic department concerned. Generally a student may not attempt credit by examination for a course in which a failing grade was received or for a basic course in an area in which acceptable college credit has been earned at a more advanced level. Students who have received appropriate scores on CLEP examinations (as established by the departments concerned) may receive course credit that satisfies fields-of-study requirements of the general education requirements, if the Richmond courses for which they will receive credit can be used by Richmond students to meet fields-of-study requirements. Specific allocations of CLEP credit for communication skills or fields-of-study requirements may vary from year to year. Arrangements to take CLEP examinations may be made with the College Board. Current information is available from the Office of the University Registrar.

### **C. Credit By Local Examination**

Credit by local examination may be used to satisfy general education requirements in the areas of communication skills and fields of study, as well as to satisfy major requirements or use as elective credit. Students should check with departments for examination dates, fees and related regulations.

### **D. International Baccalaureate**

The University of Richmond considers only Higher Level exams in the International Baccalaureate (IB) program eligible for credit. The University may award credit or give an exemption for certain general education requirements if the requisite score is achieved and the test has been recognized by the academic department concerned. Specific allocations of IB credit for communication skills or fields-of-

study requirements may vary from year to year. Detailed information on current IB policies is available from the Office of the University Registrar.

## **II. Credit for U.S. Armed Services Veterans**

In accordance with the recommendations of the American Council on Education, the following advanced credit will be allowed veterans:

- A. A veteran may receive credit for specialized training courses and for correspondence courses taken from accredited colleges under the auspices of the U.S. Armed Forces Institute. A veteran desiring such credit should present the record of training to the University Registrar either on the transcript form of the college at which the work was taken, or on the form prepared for such purposes by the U.S. Armed Forces Institute. In cases of question, the appropriate academic council will determine the amount of credit to be granted.
- B. In allowing further advanced credit for educational experience in the armed services, the University is guided largely by recommendations of the American Council on Education.

## **III. Transfer Credit**

Credit in transfer may be accepted only for courses which are comparable to courses offered in the School of Arts and Sciences, Jepson School of Leadership Studies, and/or Robins School of Business curriculum at the University of Richmond. Moreover, the coursework must have been taken at an institution accredited by a regional accrediting agency or the international equivalent at the time the work was taken, and a grade or equivalent of C (2.0) or better must have been earned.

Approved credit earned at another institution will be converted to the University of Richmond unit (one unit is the equivalent of 3.5 semester hours) and applied to the record accordingly. Up to five 3-semester hour courses will be transferred in as one unit; additional 3-semester hour courses will be transferred in as .86 units. Coursework accepted in transfer shall be applied to specific degree requirements subject to the discretion of the academic department concerned. Units awarded are added into units required for graduation, but grades are not calculated in the grade point average.

Students entering the University of Richmond as first-year students must complete 28 units of University of Richmond-approved work toward the undergraduate degree, which includes exchange and study abroad programs, approved visiting away and off-campus programs as well as courses taken through dual degree and cross-registration programs.

Students entering the University of Richmond as transfer students (having matriculated after graduation from high school as a degree-seeking student at another post-secondary institution) with at least 6.82 units of transfer work will have the 28-unit requirement prorated. Transfer students who attended another institution for one year must earn 23 units of University of Richmond-approved work toward the undergraduate degree which includes approved exchange and study abroad programs, approved visiting away and off-campus programs as well as courses taken through dual degree and cross-registration programs. Transfer students who attended another institution for one year must complete at least 17.5 units in residence at the University of Richmond.

Transfer students who have attended another institution for one and one half years must earn 20.5 units of University of Richmond-approved work toward the undergraduate degree which includes approved exchange and study abroad programs, approved visiting away and off-campus programs as well as courses taken through dual degree and cross-registration programs. Transfer students who attended another institution for one and one half years must complete at least 17.5 units in residency at the University of Richmond with one exception: they may apply up to 1 unit earned on an approved exchange or study abroad program towards the 17.5-unit residency requirement. Transfer students who attended another institution for two or more years must earn 17.5 units in residence at the University of Richmond with one exception: they may apply up to 4 units earned on an approved exchange or study abroad program towards the 17.5 unit residency requirement.

Transcripts and documents from other institutions are the property of the University of Richmond and, as such, are under the control of the Office of the Registrar. Under federal policy, a student has the right to view the documents in his or her file; the University is not required to provide (or allow the making of) copies of these documents. Transcripts submitted to the University of Richmond for admission or credit transfer become the property of

the University of Richmond and cannot be returned to the student or forwarded to other institutions.

#### **IV. First Year Students Bringing in Credit**

Students who enroll as first-years may bring in no more than seven units of credit, including credit by examination and transfer credit, to be applied toward their University of Richmond degree. Additional transfer work can be entered on the transcript and can be used to fulfill prerequisite requirements (not general education requirements), but only seven units of credit will count toward a degree.

Credit in transfer may be accepted only for courses which are comparable to courses offered in the School of Arts and Sciences, Jepson School of Leadership Studies, and/or Robins School of Business curriculum at the University. Moreover, the coursework must have been taken at an institution accredited by a regional accrediting agency or the international equivalent at the time the work was taken, and a grade or equivalent of C (2.0) or better must have been earned. Work taken through other institutions prior to initial enrollment is evaluated on an individual basis. Not all departments will accept work taken as a part of a high school program even if transcribed by an accredited institution. In order for work taken at another institution to be evaluated for transfer credit, the University must receive an official transcript mailed directly from the institution at which the work was completed. The student and transferring institution must also complete the Transfer Work Certification form available from the Office of the University Registrar.

No transfer credit shall be formally accepted or recorded until the University has received an official transcript directly from the records office of the institution which offered the coursework. If coursework is being transferred from more than one institution, an official transcript must be received from each institution. For applicability of transfer work to general education requirements, see General Education Curriculum.

#### **Registration Policies**

Registration is limited to admitted, degree-seeking students unless specific approval is granted for unclassified status.

#### **Registration**

Students shall register by following the policies.

**Note:** A student is not fully registered for any term until satisfactory arrangements have been made for that term's fees.

Late registrations may be accepted subject to the policies for adding classes, as indicated in the section below titled Change of Registration. A special fee is required.

### Enrollment

Students are not technically enrolled until the first day of class in a semester. Verification of enrollment cannot be made until that time.

### Prerequisites

Students should consult the catalog and/or department for required prerequisites before registering for a course. Successful registration for a course does not mean that prerequisites have been fulfilled. A student registered in a course without the required prerequisites may be unenrolled from the course.

### Limits of Work

A student normally enrolls for four or five units per semester. The minimum load for a full-time student is 3.5 units.

No student may enroll for more than 5.5 units or fewer than 3.5 units of work without the permission of the dean of his or her school. (Arts and Sciences - see coordinate college dean; Business and Leadership Studies - see academic dean.) Enrollments in either category are subject to special charges as specified in the chapter titled Financial Affairs. Students enrolled for fewer than 3.5 units are classified as part time.

### School of Continuing Studies Courses

Courses taken through the School of Continuing Studies after students have been admitted may not be used to meet general education requirements and may be used to meet major requirements only with special permission from the department chair. Courses in the School of Continuing Studies will be granted unit credit that is equivalent to the semester hours granted for the course. In order to apply to the bachelor's

degree, courses must taken at the undergraduate level.

Students may take no more than one School of Continuing Studies course per semester and no more than four courses in cumulative total during their undergraduate degree. School of Continuing Studies courses are not available to Arts and Sciences, Business, or Leadership Studies students for registration until the first day of class and only on a space available basis.

### Change of Registration

Students are able to register for classes through BannerWeb, a secured Web site that may be accessed over the Internet at [bannerweb.richmond.edu](http://bannerweb.richmond.edu) or through the University's Web site. Through BannerWeb, students can register for classes, add and drop classes through the end of add/drop period, view their class schedules, view grades for a specific term, and view their unofficial University of Richmond transcript. Students are responsible for all activity on their BannerWeb account including PIN maintenance, registration, and security. If a student has questions or needs assistance with any aspect of BannerWeb, he or she should contact the Office of the University Registrar at (804) 289-8639 or [registrar@richmond.edu](mailto:registrar@richmond.edu).

Once registered, students may change their registration (add/drop) according to the published schedule. For a regular term, adds and withdrawals without academic record may generally be made during the first two weeks of classes (a change fee of \$10 is charged for each change made after the first week of classes). After the end of the first 10 days of classes, but before the end of the seventh week, a withdrawal-with-record period is in effect where students may withdraw from courses provided that they receive the permission of the appropriate course instructor and academic advisor. Students will be required to pay the fee for change in class and will receive an M grade if failing at the time of withdrawal or a W grade if passing at the time of withdrawal. Ordinarily, a student may not withdraw from a course after the end of the seventh week of classes except for medical reasons. The student's dean may, under special circumstances, make an exception to this policy.

### Auditing Courses

Auditing a course means that the course instruction is undertaken but not for credit or a grade. With the

approval of the student's academic advisor, dean, and the instructor of the course, a student may declare a course to be taken on an audit basis. A permission form must be obtained from and returned with appropriate signatures to the Office of the University Registrar by the end of the 10th day of classes. The student must first register for the course and then file the permission form. The regular rate of tuition is charged, and the audit course is counted as a part of the student's semester load. Once the form is submitted to the University Registrar, the decision may not be reversed. An audited course cannot subsequently be taken for credit unless approved by the appropriate dean.

### Pass/Fail Option

*School of Arts and Sciences  
Jepson School of Leadership Studies  
(excluding leadership studies courses)  
(not available to business students)*

An arts and sciences or leadership studies student who has completed at least 18 units of academic work may opt for one normally standard-graded course per semester to be graded on a pass/fail basis or if more than one course not more than one unit of total credit. The resulting credit may only be used to count as total credit toward a degree, and cannot be used to satisfy any general education requirement or any major or minor requirement. No Jepson School of Leadership Studies or Robins School of Business courses may be taken for pass/fail grading except those in the Department of Economics. No more than four student-opted pass/fail courses are acceptable for degree credit.

Note: Some courses are only available as pass/fail courses, such as internships, student teaching, and some research courses. The restrictions stated above do not apply to such courses. The level of performance necessary to earn a pass grade in a student-opted pass/fail course is D- or better. A passing grade will be recorded as P on the permanent record. The credit will be added into credit earned toward graduation and will not affect the grade point average. A failing grade will be recorded as F on the permanent record. The credit will affect the grade point average. To opt for pass/fail grading, a permission form must be obtained from and returned with appropriate signatures to the Office of the University Registrar by the end of the 10th day of classes. The student must first register for the course and then file the permission form. Once the form is

submitted to the University Registrar, the decision may not be reversed.

**Note:** Some courses are only available as pass/fail courses, such as internships, student teaching, and some research courses. The restrictions stated above do not apply to such courses.

The level of performance necessary to earn a pass grade in a student-opted pass/fail course is D- or better. A passing grade will be recorded as P on the permanent record. The credit will be added into credit earned toward graduation and will not affect the grade point average. A failing grade will be recorded as F on the permanent record. The credit will affect the grade point average.

To opt for pass/fail grading, a permission form must be obtained from and returned with appropriate signatures to the Office of the University Registrar by the end of the 10th day of classes. The student must first register for the course and then file the permission form. Once the form is submitted to the University Registrar, the decision may not be reversed.

### Repeated Courses

Coursework may not be repeated for credit toward graduation except as sanctioned by the University; however, particular coursework may meet more than one requirement for graduation. An example of a sanctioned repeat-for-credit is the subsequent registration for a course in which the content changes from term to term, such as special topics or independent studies. Also, certain courses in a major or program may have to be repeated if the grade earned the first time does not meet requirements; in such a case, the credit will be counted only once but both grades will be calculated in the cumulative grade point average.

Courses taken on an audit basis cannot be repeated for credit unless approved by the appropriate dean.

Except in clear situations, the Office of the University Registrar should be consulted before registration to learn if a proposed repeat is sanctioned for credit or if sanction is possible.

All courses taken at the University of Richmond become a part of the permanent academic record. The grade for a course repeated at the University of Richmond becomes a part of the grade point average

if the grade otherwise would be included in the computation.

### Course Administration

#### Class Attendance

Students are expected to attend all meetings of all classes (including lectures, seminars, laboratories, and drills) in which they are enrolled. The specific attendance policy in each course, however, is determined by the instructor of the course, subject to the section on University Holidays below. At the start of each semester, the instructor is responsible for describing the class attendance policy in the syllabus and distributing it to students.

Academic events sponsored by the University under supervision of faculty advisors include, but are not limited to: theatre/dance and musical performances, debate, mock trial, model UN, conference attendance, and ROTC field leadership exercise. Because such events and varsity athletic competitions are recognized as integral to the educational experience, the appropriate coordinate college dean will provide official notification of student participation in these activities. It is also the student's responsibility to request such notification and to deliver it to the faculty member as early as possible in the semester. Faculty members will honor notification from the college deans that a student is to be excused for participation in a University-sponsored event. All other absences will not be officially announced by a dean, but may be excused at the discretion of faculty. Examples include, but are not limited to, class field trips, illness, funerals, and family functions. The University policy regarding absences related to University or religious policies is stated below. The University encourages students to weigh the consequences of missing class and other sponsored academic or varsity athletic events, and to make their choices accordingly.

Misrepresenting the reason for class absences to a professor is a violation of the University's honor code.

A student will be held responsible for all work of a class or laboratory missed during any absence.

**Note:** Students enrolled in business school or School of Continuing Studies courses must attend at least 75 percent of the class meetings-regardless of the

reasons for absence-to be eligible to receive credit for the course.

### University Holidays

With the increasing diversity of the University community and the limited flexibility in setting the academic calendar, it is not possible to avoid conflicts with some religious and secular holidays that are very important to some members of our faculty, staff, and student body. However, the University is very sensitive to the special needs of those who need to observe such holidays and will make accommodations for them to make up the time missed if arrangements are made in advance.

The University is officially closed on New Year's Day, Thanksgiving Day, and Christmas. In addition, some schools are closed for classes on Memorial Day, July 4th, and Labor Day, while others hold classes on those days. (See the appropriate academic calendar for specifics.)

Other holidays affecting University community members include Martin Luther King Day, Rosh Hashanah, Yom Kippur, the first two days of Passover, Good Friday, and Easter Sunday. In consideration of their significance for our students, students who observe these holidays will be given an opportunity to make up missed work in both laboratories and lecture courses. If a test or examination is given on the first class day after one of these holidays, it must not cover material introduced in class on that holiday. Faculty and staff should be aware that Jewish and Islamic holidays begin at sunset on the evening before the published date of the holiday.

The University recognizes that there are other holidays, both religious and secular, which are of importance to some individuals and groups on campus. Such occasions include, but are not limited to, Sukkoth, the last two days of Passover, Shavuot, Shemini Atzerat and Simchat Torah, as well as the Islamic New Year, Ra's al-sana and the Islamic holidays Eid-al-Fitr and Eid-al-Adha.

*Students who wish to observe any such holidays must inform their instructors within the first two weeks of each semester of their intent to observe the holiday, even when the exact date of the holiday will not be known until later, so that alternative arrangements convenient to both the student and the instructor can be made at the earliest opportunity. Students who make such arrangements will not be required to*



*attend classes or take examinations on the designated days, and faculty must provide reasonable opportunities for such students to make up missed work and examinations. To facilitate this, faculty will announce and distribute all anticipated test and examination dates on the course syllabus, distributed at the beginning of each semester. Students should be aware that faculty may need to adjust these dates as necessary.*

### **Examination**

Most classes have examinations at the close of each term, according to a published schedule.

Each student is responsible for taking final examinations as scheduled. No rescheduling, excuse for absence, and/or provision for making up final examinations will occur without the written approval of the student's dean. Such approval shall be made only for illness certified by a physician, participation in authorized University activities, and/or personal emergencies such as death in the family.

Appeals of the rulings associated with the administration of these regulations shall be directed to the student's dean and, if necessary, through that dean to the academic council of the faculty concerned.

### **Evaluation**

Instructors establish grading criteria for their courses and prepare and submit the final course reports (using the grades defined under Grading Policies) to the University Registrar for recording. In the event of a question about the accuracy of the recorded grade, a student should direct inquiries to the instructor.

It is recognized that each class and each student in a class has unique characteristics that the instructor alone is in the best position to evaluate; consequently, except in unusual circumstances, formal appeals to others concerning the evaluation on which a grade is based are not appropriate.

If unusual circumstances appear to have existed that could have affected the evaluation, the student should first bring the matter to the attention of the instructor (if available). If that informal inquiry is impossible, or if its results are disputed, the student may next bring the matter to the attention of the department chair and the instructor, jointly. In the event of continued dispute, the student may formally petition

the dean of the student's school who, in consultation with department faculty, may present the matter to the academic council for a decision.

### **Grading Policies**

The level of student's performance in classwork and examinations is indicated by letters. A (excellent), B (good), C (average), and D (poor) indicate that the work has been passed. The foregoing grades may be accompanied by a plus (+) or minus (-) to indicate a relative position within the grade category. P shows credit has been earned in a pass/fail course, and Z shows that a course was audited. S and U indicate satisfactory or unsatisfactory performance in nonacademic courses. W indicates that the student withdrew from a course with a passing average. Marks indicating failure and included as such in the grade point average are F, M (withdrew from a course with a failing average), and V (failure because of excessive absences). The X indicates that the grade is not available from the instructor.

I and Y mean that coursework has not been completed by the end of the term. The I, which provisionally counts as a failing grade, is given when the reasons for incomplete work are deemed unjustifiable by the instructor. The work is to be made up by the date the instructor specifies, but no later than 45 calendar days from the last day of the term in which the I was given. If the work is not made up during the grace period, the I will be converted to F. The Y, which does not count as a failing grade, is given when the reasons for incomplete work are deemed justifiable by the instructor, or at the end of the first term of a course that continues into a succeeding term. There is no deadline for completion of the work unless the instructor so specifies. In the case of an I or Y, once the make-up grade is received, it appears to the right of the incomplete grade on the permanent record. In all cases, it is the student's responsibility to make arrangements for and progress toward the completion of an incomplete course.

### **Grade Availability**

Grades are due to the registrar's office from instructors as specified in the academic calendar published annually by the Office of the University Registrar. They will be available to students as soon as possible after they have been received by the registrar's office. Students may access grades via the Internet by using BannerWeb. Students will need their student ID number and student PIN. Grades are

deemed correct unless notification to the contrary is received by the University Registrar within three (3) months after the close of the term specified.

### **Credit and Grade Point Average**

The University of Richmond uses the unit credit value. A unit is determined by a combination of factors that include contact time with a faculty member in a formal setting and expectations of independent student work through a nominal 15-week semester. One unit is the equivalent of 3.5 semester hours. Courses worth .25 units are graded pass/fail only and those worth 0 units are graded satisfactory/unsatisfactory.

The grade point average is based on two factors:

**GPA Units-** The accumulation of academic units that have grades to which grade point values are assigned; and

**Grade Points-** Given for each unit's grade according to this scale:

A+ 4.0 B+ 3.3 C+ 2.3 D+ 1.3

A 4.0 B 3.0 C 2.0 D 1.0

A- 3.7 B- 2.7 C- 1.7 D- 0.7

F 0.0 I 0.0 V 0.0

**Calculation Points** The grade point average is calculated by dividing the total number of grade points earned by the total number of GPA units. The grade point average is represented to two significant decimal figures.

The accumulations and average are shown each term on the permanent academic record and on the transcript. Also shown on these reports is the accumulation of earned units. Earned units are the academic units in which the student has earned passing grades, plus unit credit, if any, for accepted transfer work.

### **Academic Reports**

Reports of the student's progress are prepared each term in the form of the permanent academic record.

The information included is the record of the student's registration and grades, with such other information as may be deemed important. All courses taken at the University of Richmond become a part of the permanent academic record.

### **Work Taken Elsewhere**

This section pertains to students who wish to take academic work elsewhere while actively pursuing a degree at the University of Richmond. Only coursework taken at an institution accredited by a regional accrediting agency or the international equivalent at the time the work was taken will be considered, and a grade or equivalent of C (2.0) or better must have been earned. The unit credit or equivalent as awarded at the other institution will be the units transferred. Units awarded are added into units earned for graduation, but grades are not calculated in the grade point average. (Individuals admitted as transfer students, please see the Advanced Standing section.) Students must complete 28 units of University of Richmond-approved work toward the undergraduate degree, which includes approved exchange and study abroad programs, approved visiting away and off-campus programs as well as courses taken through dual degree and cross-registration programs (transfer students will have this requirement prorated-see section on Transfer Credit).

### **Study in the United States**

The student is to obtain the approval of each department chair concerned before taking work elsewhere. The approvals ensure that the work is acceptable to the University, its departmental standards and the student's curriculum. The Office of the University Registrar provides a special form for this purpose and will also answer questions about the procedure.

### **School of Arts and Sciences Jepson School of Leadership Studies**

While students are expected to obtain approval before taking work elsewhere, work taken without prior approval may be accepted subject to transfer credit policies.

### **Robins School of Business**

The Robins School of Business may approve for transfer credit those courses that meet the following criteria: The course is completed at an institution

accredited by the Association to Advance Collegiate Schools of Business (AACSB); the student receives a final course grade of at least C as verified by an official transcript; the approval of the appropriate department chair and dean is obtained. Approvals should be obtained prior to taking the coursework elsewhere. Courses completed at nonaccredited institutions generally are not accepted for credit. Grades for courses taken at another institution are not included in the calculation of the University's grade point average.

### Study Abroad

Students wishing to study abroad should contact the Office of International Education for information about the range of opportunities and the procedures they must follow. The procedures ensure that academic work abroad will qualify for transfer credits to the University of Richmond. Only work taken through approved programs will be eligible for transfer credit. Further information about study abroad is presented in the chapter on International Education.

### Visiting Student Status

Under certain circumstances, students, while not enrolled at the University of Richmond, are granted visiting student status. This status is based on attending a University-approved program of study. To determine if a domestic program is approved, contact the Office of the University Registrar; for study abroad programs, contact the Office of International Education.

### Acceptance of Credit

#### Summer Study Abroad Programs

Only programs with a University of Richmond director or faculty that also are administered by the University are included in this category.

For academic record, degree progress, and grade point average purposes, coursework taken in these programs is treated as if the work were completed on campus except where noted in the program description. There are a number of University study abroad programs including programs in Argentina, Czech Republic, France, Germany, Italy, Japan, Jordan, Peru, Spain, and Taiwan. All of the programs above are administered through the University of Richmond Summer School office.

### Other Programs Abroad

Transfer credit will be awarded for pre-approved coursework at a regionally accredited (or international equivalent) institution in which a grade, or equivalent, of C (2.0) or better has been earned. Credit for coursework to be counted toward the major is subject to approval by the academic department concerned. No credit will be awarded for work taken elsewhere until an acceptably complete official transcript in English is received by the University Registrar directly from the institution providing the instruction or the approved agency coordinating the instruction. Such credit is recorded as academic units passed and is not computed in the student's grade point average.

**Note:** Students should contact the Office of International Education regarding summer abroad programs not offered by the University of Richmond.

### Academic Standing

Students are expected to achieve in the classroom and make steady progress toward completion of degree requirements. Relevant designations are specified in the following sections.

### Class Standings of Students

The class standing is established at first matriculation and is evaluated after grade posting for each subsequent term of enrollment. The standing is based on units passed including, if applicable, acceptable transfer and/or advanced standing credit. The standings are:

Year 1	0 - 6.82 units
Year 2	6.83 - 15.40 units
Year 3	15.41 - 23.97 units
Year 4	23.98 or more units

### Dean's List

The Dean's List of Distinguished Students recognizes outstanding scholars for fall and spring semester.

*School of Arts and Sciences*  
*Robins School of Business*  
*Jepson School of Leadership Studies*



The student must complete at least 3.5 earned units for the semester (excluding P/F units), with no grade below a B- (2.7), and a minimum term GPA of 3.60.

### **Academic Deficiencies**

Academic deficiencies are of two types: academic warning and academic probation.

### **Academic Warning**

At any time when a student's overall grade point average falls below 2.00, the student automatically will be on academic warning. A student on academic warning should take active steps to improve academic performance.

### **Academic Probation**

Academic reports are evaluated at the end of each grade-posting period. Regardless of the specific provisions for each school stated below, if at the end of any term a student's record reveals such significant deterioration in performance that extraordinary action is deemed appropriate by the dean of the student's school or college, that student may be placed on probation, limited in units of enrollment, or recommended for suspension from the school or college regardless of grade point average. In addition, such student may be restricted from participation in certain University activities. While suspended, students may not take classes at other institutions and transfer them back to University of Richmond.

Appeals of rulings associated with the administration of these regulations shall be directed to the relevant academic council.

### **School of Arts and Sciences Robins School of Business**

A student who falls below the following minimum accumulations of semester units and grade point average (GPA) will be placed automatically on academic probation:

Year 1 (0- 6.82 units passed)	1.50 GPA
Year 2 (6.83-15.40 units passed)	1.70 GPA
Year 3 (15.41-23.97 units passed)	1.85 GPA
Year 4 (23.98 or more)	2.00 GPA

units passed)

If at the end of the second consecutive semester\* of enrollment after being placed on academic probation, the student fails to meet the minimum standard based on units then passed, the student shall be allowed to enroll for no more than two units of academic work per regular semester or during the entire summer. Such a student has a maximum of four units of work attempted in which to achieve the minimum requirement. Otherwise, he or she will be suspended from the School of Arts and Sciences or the School of Business.

The above provisions notwithstanding, the dean of the student's college, in circumstances which seem to warrant such action, may allow the student to continue as a full-time student on probation for a single additional semester.

\* Work taken during an entire summer, provided 3.5 units or more are attempted, shall count as a regular semester.

### **Jepson School of Leadership Studies**

A student will be placed on academic probation when the student's leadership studies GPA falls below 2.0 or the student earns a grade below C- (1.7) in a leadership studies course. While on academic probation, a student's participation in athletics, debating, dramatic or musical organizations, as well as their representation of the University in any public capacity, may be restricted.

If the student does not meet academic standards in the following semester, he or she will be dismissed from the program in leadership studies. The student may request a one-semester extension of the probationary status. The appeal should be directed to associate dean for academic affairs of the Jepson School of Leadership Studies. If granted and the student does not meet all standards after the probationary year, he or she will be dismissed from the program in leadership studies. Any further appeals should be directed to the dean of the Jepson School of Leadership Studies. Upon review of the student's record and any additional information, the dean will render a final decision.

### **Withdrawal from the University**

Students who plan to withdraw from the University of Richmond must submit an official withdrawal

letter to their Dean. The Dean's Office will notify the appropriate offices of the student's withdrawal from the University of Richmond including the actual withdrawal date.

### **Readmission to the University**

Students who have withdrawn from the University for whatever reason, other than participating in an approved study abroad, exchange, or visiting away program, and wish to return must make their request for readmission in writing to the dean of the appropriate academic school. Students seeking readmission to the School of Arts and Sciences should contact the dean of Richmond College (men) or dean of Westhampton College (women). Students seeking readmission to the Robins School of Business or the Jepson School of Leadership Studies should contact the associate dean of that school.

### **Graduation**

#### **Qualifications**

To graduate a student must meet certain qualifications described below.

#### **Curriculum and Achievement**

A candidate for the Bachelor of Arts, Bachelor of Science, or Bachelor of Science in Business Administration degree must satisfactorily complete all degree requirements (see Summary of Degree Requirements section) and 35 units. Undergraduate degree candidates must earn a grade point average of not less than 2.00 on all coursework attempted and must receive credit for attendance at assemblies and convocations, as required.

#### **Time Limits**

##### **School of Arts and Sciences**

There is no time limit in regard to the completion of general education requirements. In the event of catalog changes, a student may choose to fulfill admission and general education requirements for graduation from a subsequent catalog provided all of the requirements of the chosen catalog are met.

##### **Robins School of Business and Jepson School of Leadership Studies**

A student must complete the requirements for the degree, as stated in the catalog at the time of entrance, within five years from the date of original entry. Reinstatement to a program after five years requires permission of the academic council of the student's school. If an extension of time is granted, the student may be required to satisfy the degree requirements in effect at the time of reenrance.

### **Changes in Catalog Information**

Caution: The course offerings and requirements of the University of Richmond are under continual examination and revision. This catalog is not a contract; it merely presents the offerings and requirements in effect at the time of publication and in no way guarantees that the offerings and requirements will not change. The University specifically reserves the right to change requirements for any major, minor, and/or program, and to implement them during any particular year.

The student assumes full responsibility for compliance with all academic requirements. Current course offerings may be obtained from the appropriate department. Current major, minor, program, and degree requirements may be obtained from the University Registrar; the deans' offices of the Schools of Arts and Sciences, Business, and Leadership Studies, and Richmond and Westhampton Colleges; or from the department chair of the appropriate department.

In the event the University adopts new general education and/or major, minor, and program requirements, efforts will be made to accommodate hardships during the transition period.

### **Declaration of Majors/Minors**

All undergraduate degrees at the University of Richmond require satisfactory completion of one major. Multiple majors and/or minors for a single degree also may be pursued, and upon completion will be recorded on the permanent academic record. For dual degree requirements, refer to the Dual Bachelor's Degree section. With the exception of leadership studies and majors and minors within the Robins School of Business, students have the option to declare a major as early as the end of the first year. They are encouraged to declare during the second year, and are expected to declare by the end of the second year.

All declarations of majors and minors must be received in the Office of the University Registrar during the two-week add/drop period to be effective for that term. Declarations received after add/drop will not be processed until the end of the term. For procedures on how to declare majors and/or minors both in the home school and between schools, contact the Office of the University Registrar.

### **Undergraduate Work Taken After Graduation**

Students who have graduated from an accredited college or university and who wish to take undergraduate courses in the liberal arts and sciences during the academic year, but not for degree purposes, should apply to the Office of Admission for acceptance as an unclassified student. Permission to take such classes may be granted on a space-available basis and with due regard for prior achievements. Application for such undergraduate work to be taken in the summer will be received by the summer school office.

Additional majors or minors may be completed after graduation and recorded subject to the following: the student must have a Bachelor of Arts, Bachelor of Science, or Bachelor of Science in Business Administration degree from the University of Richmond; all work required to complete the additional major or minor subsequent to graduation must be taken at the University in the School of Arts and Sciences, Robins School of Business, or Jepson School of Leadership Studies; the academic department concerned must certify that the major or minor is complete; and the student must complete the work within two years of graduation unless additional time is granted by the major or minor department concerned, and the department notifies the University Registrar.

### **Work at the University**

To earn an undergraduate degree, a student must complete 28 units of University of Richmond approved work which includes exchange and study abroad programs, approved visiting away, dual-degree and off-campus programs as well as courses taken through cross-registration (transfer students will have this requirement prorated-see section on Transfer Credit).

A student must have completed at least 17.5 units of acceptable coursework required for the degree in residence at the undergraduate School of Arts and Sciences, Robins School of Business or Jepson

School of Leadership Studies. (transfer students should see section on Transfer Credit)

The last eight units are expected to be included within the 17.5 units.

In no case may a student count more than 17.5 units from a single subject area toward the minimum number of units necessary for graduation. Students may not apply more than four courses from the School of Continuing Studies towards their degree.

### **Robins School of Business**

All transfer students, as part of their degree requirements, must complete at least 12 units of coursework in business/economics within the Robins School of Business.

### **Jepson School of Leadership Studies**

At least 10 of the required 17.5 residence units required for a degree must be taken in the Jepson School of Leadership Studies

### **Financial/Administrative Responsibilities**

No degree is conferred if the student's responsibilities to the University are in an unsatisfactory condition. Responsibilities in this sense include financial and administrative matters such as, but not limited to, delinquent payments, parking fines, or overdue library books.

### **Degree Application**

To graduate a student must file a degree application with the Office of the University Registrar. Degree applications are to be filed by the second Friday in September for the coming May or August commencement. Those enrolled only in the spring file by the first Friday in February. Students enrolled only in the summer culminating in their graduation file by the third Friday in June. Students planning to graduate in December should file a degree application by the first Friday in February.

If degree requirements are not completed prior to the intended graduation date, the student must file a new degree application according to the schedule above.

Degree applications are available online via BannerWeb and in the Office of the University Registrar.

### Attendance At Commencement

Students are required to attend the commencement ceremony for the award of the degree in person except by decision of the University not to do so. A student who expects to have a degree awarded at the spring commencement may request absentia status from the graduation ceremony by explaining in writing the circumstance which prevents participation. Students who have a degree application on file and anticipate summer completion of degree requirements are also expected to participate in the spring graduation ceremony. Students who expect to complete degree requirements in December may participate in the spring commencement either prior to or following their December completion. If a winter or summer degree candidate does not intend to participate in the ceremony a written statement requesting absentia must be submitted. The request for absentia must be received by the University Registrar no later than eight working days before the ceremony. The registrar will notify the degree candidate of the status granted by the University. Unless approved for absentia status a candidate for graduation who does not participate in the commencement ceremony does not graduate. Such candidate may graduate by again filing a degree application and by following the appropriate graduation attendance policy.

August degrees are conferred as of the date specified in the academic calendar, and diplomas are mailed to those qualified. December degrees are conferred as of the date specified in the academic calendar. Diplomas for December graduates are mailed to students who have previously participated in the commencement ceremony. Those who will be participating in a future ceremony will receive their diploma at that time.

**Note:** No degree is conferred if the student's responsibilities to the University have not been met. These responsibilities include, but are not limited to, such matters as the payment of fees, parking fines and library fines, and the return of library books.

### Degree With Honors (Latin Honors)

General academic honors of three ranks are awarded to members of the graduating classes on the basis of their grade point average on work completed at the University of Richmond.

*School of Arts and Sciences*  
*Jepson School of Leadership Studies*  
*Robins School of Business*

Cum Laude 3.40 - 3.59  
Magna Cum Laude 3.60 - 3.79  
Summa Cum Laude 3.80 - 4.00

### Second Undergraduate Degree

A student may earn more than one undergraduate degree either consecutively or concurrently in relation to another undergraduate degree provided the degrees are not alike, e.g., not two B.A.s or two B.S.s. For information on completing one degree with multiple majors, see Declaring Majors/Minors above.

The following policies apply to any student seeking a second undergraduate degree.

### Consecutive Bachelor's Degree

A consecutive bachelor's degree is one which is begun after a first degree has been conferred or after the degree requirements for the first degree have been recorded as completed on the student's permanent academic record.

A student who wishes to pursue the second bachelor's degree consecutively shall apply to the dean of the school concerned. (Arts and Sciences students should contact the dean of the appropriate coordinate college.) The dean shall make a decision for admission based on the quality of prior work, the favorable recommendation of the intended major department, and space availability. Once admitted, the student's grade point average shall be based only on the work taken at the University of Richmond while pursuing the second degree. The student's dean may limit or deny further registration if the quality of the student's work indicates that at least a 2.00 average will not have been achieved by the time the student has attempted 9 units. A student admitted for a consecutive degree shall be considered a member of the senior class for registration purposes.

To earn a consecutive bachelor's degree, a student must achieve at least a 2.00 grade point average on a minimum of nine additional units of resident academic coursework selected from the catalog of courses. Courses in which a student-opted Pass is earned shall not count in the nine units. In addition,

general education requirements appropriate to the degree being sought, as well as requirements for the major, must be met satisfactorily. Work taken for the preceding degree may be considered as transfer credit for the purpose of meeting these requirements; however, at least half of the major must be taken at the University of Richmond, and all other degree requirements must be met as outlined under Graduation, including the 17.5-unit residency requirement.

A student who completes the requirements for the consecutive degree is ineligible for Latin honors, and will not be assigned a graduating class rank.

### Concurrent (Dual) Bachelor's Degrees

Dual bachelor's degrees are two different bachelor's degrees that are pursued concurrently and completed at the same time.

A student who wishes to pursue two bachelor's degrees concurrently shall notify the dean of his or her school promptly after the decision is reached. (Arts and Sciences students should contact the dean of the appropriate coordinate college.) Students in the

Robins School of Business or the Jepson School of Leadership Studies who desire a second undergraduate degree in the arts and sciences must receive the approval of the dean of the appropriate coordinate college as well as the sanction of the dean of their home school. Even when approved for the second degree, such student remains a member of their home school for academic, administrative and extracurricular purposes.

When two degrees are being sought concurrently, the grade point average computation and all academic policies are administered on the basis of the then-accumulated work for both degrees.

To earn concurrent bachelor's degrees, a student must complete 44 units of academic work plus the additional degree requirements with at least 28.5 units taken at the University of Richmond. In addition, the general education requirements appropriate to each degree being sought, as well as requirements for the majors, must be completed satisfactorily. At the proper time, two degree applications must be submitted simultaneously to the University Registrar. Latin honors, if earned, will be shown on both degrees.

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## General Education Curriculum

A liberal arts education is typically characterized by the development of broad intellectual and cultural interests and by the achievement of a significant body of skills and knowledge. It is the particular responsibility of a general education curriculum to address the first of these goals, the broadening of students' interests, while also laying the foundation for the acquisition of advanced skills and deeper knowledge within optional areas of concentration, normally defined as majors.

So it is at the University of Richmond, where a distinctive general education curriculum has been designed:

- To provide a stimulating and challenging introduction to collegiate life through a first-year seminar courses
- To establish the basic prerequisites of productive scholarship through a set of communication skills requirements
- To familiarize students in a meaningful way with some of the major approaches to

intellectual and cultural life through a series of fields of study requirements

This curriculum is offered by a faculty that sees general education as fundamental to its mission. Through its various general education courses, the faculty intends to incorporate each and every student into a community of learners who value and practice the life of the mind. Beginning with their general education courses and continuing through the courses in their major, their elective courses, and their various cocurricular and extracurricular learning experiences, University of Richmond students are expected to develop their ability to think critically and independently, to learn to tolerate ambiguity where true ambiguity exists, and to grow in their respect for and their ability to deal with the kinds of multiplicity that characterize our complex world. The common goal of the University's faculty is the education of independent, responsible, and contributing members of society.

### I. First-Year Seminars



First-Year Seminars (FYS) provide entering students the excitement of engaged learning through a diverse array of seminar topics. With small classes, a variety of topics, and close contact with faculty, First-Year Seminars offer a hands-on introduction to academic inquiry. A wide variety of seminars will be offered each year, drawn from every school of the University. Each entering student will take a FYS 100 course in the fall and spring of the first year. Readmitted students must complete the First Year Seminar requirement within a year of their readmission. First-Year Seminars serve as an introduction to academic inquiry and the modes of expression that lie at the heart of a liberal arts education. They foster habits of mind fundamental to students' intellectual and academic development, including critical reading and thinking, sharing ideas and research through discussion, and the ability to write and think clearly and effectively. Integrating explorations of specific questions and topics with the development of skills, seminars aim to foster intellectual curiosity and students' ability to act on it.

## II. Communication Skills

Ideas and experiences must be communicated if they are to be shared, scrutinized, and transformed into effective knowledge. Toward these ends, the faculty expects each student to develop skills in oral communication and a second language.

### Oral Communication

Oral communication is another skill that is essential to both education and life. Students should be able to speak so that their ideas are expressed logically, lucidly, and effectively, and they should be able to provide relevant evidence whenever appropriate. In addition, students should be able to analyze the spoken discourse of others. The general education curriculum at the University of Richmond assists students in these regards by immediately immersing them into frequent and intensive oral exchanges and presentations in the First-Year Seminars and by offering relevant courses, such as Rhetoric and Communication Studies 101, through the Department of Rhetoric and Communication Studies. In addition, many faculty and departments have been increasing the oral communication components in their courses and seminars, with the goal of enhancing this fundamental skill. Their efforts are assisted by the University's Weinstein-Jecklin Speech Center. There is no required course that students must take to fulfill this portion of their general education.

## Second Language (COM2)

A second language has become more and more important as the world for which students are preparing themselves has placed increasing demands upon them to understand the national and cultural perspectives of other language groups. The knowledge of a second language is critical for achieving such understanding as well as for exposing the learner to other cultures, in ancient or contemporary guise, that he or she may encounter after graduation. For these reasons, the faculty expects all students to demonstrate functional ability in listening, speaking, reading, and writing in a modern second language or in reading and writing in a classical language. These abilities are appraised either at entrance or through introductory and intermediate courses.

## III. Fields of Study

Fields of study courses introduce students to some of the primary fields or sets of related disciplines within which scholars group phenomena for study. These courses are intended to familiarize students with the kinds of questions raised by scholars within each of these groupings and with the methods by which scholars try to answer such questions. Although fields of study courses are typically offered by individual departments, they have nonetheless been designed and approved with general education as their primary objective. Thus, their scope exceeds the boundaries of singular disciplines insofar as they seek to give explicit attention to the perspectives, ways of thinking and methodological approaches of larger fields of inquiry. In order to give students a broad understanding as well as a basic foundation for further study in any of these fields, the faculty requires students to pass specially designated courses in each of six fields of study: historical studies, literary studies, natural science, social analysis, symbolic reasoning, and visual and performing arts.

### Historical Studies (FSHT)

Historical studies examine events and actors of the recent or distant past within the context of the ideas, institutions, social norms, cultural practices, and physical environments out of which they arose. Courses with a historical perspective enable us to understand the values and institutions of disparate societies and cultures as they have developed over time.



By emphasizing the critical analysis of sources and the interrelationships among ideas, institutions, social structures, and events within one or more interpretive frameworks, these courses foster students' awareness of the methods and perspectives for understanding past societies and cultures in historical context. Courses that focus narrowly on the history of a discipline, that only use chronology as an organizational structure, or that do not stress the context in which ideas and events occurred fall outside the category of historical studies.

### **Literary Studies (FSLT)**

The field of literary studies concerns itself with verbal texts read as structures of meaning. While language is a practical tool for thought and communication of many sorts, the particular focus of literary studies is on linguistic creations as meaningful in themselves and not purely as documents that record meaning outside themselves.

Courses satisfying the literary studies requirement are centrally concerned with the textual analysis of primary works. They consider a variety of interpretive frameworks and attend to one or more collateral areas of investigation, including the study of the process by which texts are created and received, the historical and cultural contexts in which they are created and received, and their relationships to each other and to other fields of experience and analysis. The field of literary studies brings its perspectives and methods to bear on imaginative and nonimaginative works alike.

### **Natural Science (FSNB, FSNC, FSNP)**

The field of natural science is concerned with the physical universe from subatomic to cosmic levels of organization, including inanimate as well as living systems, their structure, diversity, interaction, and evolution. Based upon the generation and testing of hypotheses, scientific inquiry is restricted to the study of repeatable, measurable, and verifiable phenomena. Within this field, knowledge may be gained either by controlled experiment or diligent observation, depending upon the phenomena being studied. Similarly, some of the field's methodologies rely upon quantitative analysis, while others are primarily qualitative.

The natural science requirement is designed to enhance students' appreciation of the beauty of science as well as their understanding of the challenges of doing science. Students gain experience

in the formulation and testing of hypotheses and are introduced to scientific methodology. The natural science requirement consists of a single laboratory course selected from the three areas of science represented at the University of Richmond, namely, chemistry, physics, and the biological sciences.

### **Social Analysis (FSSA)**

Social analysis is the systematic study of individual and social human behavior. This field of study involves a systematic theoretical and empirical examination of the patterns of human behavior within or across various societies and cultures.

Courses satisfying this requirement focus on human behavior. They teach students to analyze individual and group behavior by using a variety of theoretical and empirical frameworks. All courses in this field of study must include the reading of or involve students in research on patterns of human behavior. Courses that employ social contextual analysis for purposes of providing a frame of reference for the study of other phenomena, such as literary texts, works of art, etc., do not fulfill this requirement.

### **Symbolic Reasoning (FSSR)**

As a field of study, symbolic reasoning is distinguished by its attention to internal logical consistency and by its wide external applicability. This field of study emphasizes symbolic problem solving, a process that includes translating problems into terms that are amenable to treatment within a symbolic system; understanding consistent rules by which the information relevant to the problem may be processed in order to obtain a solution; recognizing important underlying principles that govern the application of these rules; and judging both the appropriateness of known solution methods to a particular problem and the quality or reasonableness of the solution obtained.

Courses in this field of study aim to develop in students the skills to obtain valid solutions using one or more symbolic systems, the ingenuity to translate new problems into appropriate terms for such systems, and the persistence to carry a solution method through to completion. The focus of a symbolic reasoning course should be on understanding the symbolic system and how it can be used to develop problem-solving tools rather than on the tools themselves. Applications of these tools, while a welcome addition, should not be the primary objective of the course.

## Visual and Performing Arts (FSVP)

The field of visual and performing arts considers questions having to do with the forms, traditions, meaning, and historical contexts of works in visual and performance media and explores issues of method, process, and personal resources in the media.

Courses satisfying this requirement are centrally concerned with the roles of creation and interpretation in the study of art. They develop in students an enhanced understanding of art both by fostering their intellectual appreciation of works of art and by involving them in the creative process. These courses are suffused with the notion that the arts are a powerful and profound influence on human perception and understanding.

### Conclusion

In addition to the fundamental educational experiences represented by these requirements, the faculty recognizes that thoughtful reflection upon an even wider range of topics and issues such as those that pertain to gender, race, ethics, international perspectives, and other matters, is an important component in the education of Richmond students. While some of these topics and issues may be addressed in one or another course in the general education curriculum, the faculty feels strongly that they are best treated - sometimes focally, sometimes incidentally - within many different courses, outside as well as inside that curriculum. By addressing them in a variety of ways, from a variety of viewpoints, and with a variety of voices across the entire curriculum, the faculty as a whole will ensure that students are aware of the many complex and serious ways in which these issues touch their lives and the lives of others.

**Note:** Courses meeting general education requirements are approved by the General Education Committee and denoted with the appropriate code following the course description in this catalog, as well as in the schedule of classes, published each semester on BannerWeb. A course will only meet the general education requirement if approved and the corresponding code is noted on the schedule of classes for the semester in which the class is completed. The codes are as follows:

FYS - First-Year Seminar

COM2 - Communication Skills - Second Language

FSHT - Field of Study: Historical Studies

FSLT - Field of Study: Literary Studies

FSNB - Field of Study: Natural Science, Biological Sciences

FSNC - Field of Study: Natural Science, Chemistry

FSNP - Field of Study: Natural Science, Physics

FSSA - Field of Study: Social Analysis

FSSR - Field of Study: Symbolic Reasoning

FSVP - Field of Study: Visual and Performing Arts

## Summary of General Education Requirements

Courses used to satisfy the First-Year Seminars and the communication skills requirement of the general education requirements may not be used to meet the fields of study requirements for the degree. The First-Year Seminars must be taken in the first year of matriculation.

### A. First-Year Seminars

A student may satisfy this requirement by passing two FYS 100 seminar courses. The same seminar topic may not be repeated more than once for credit.

### First Year Seminar Policy for Students Transferring to Richmond

Students who are admitted to the University of Richmond as transfer students with 6.82 or more transferable units are exempt from the First Year Seminars.

Students transferring with less than 6.82 units\*, excluding credit for advanced standing, must meet the following First-Year Seminar requirement(s)

- 1-3.13 transferable units: must take two First Year Seminars during the first two semesters of enrollment.
- 3.14-6.81 transferable units: must take one First Year Seminar during the first semester of enrollment. May take an additional First Year Seminar in the second term of enrollment, if desired.

*\*Note: Students are only accepted as transfer students with less than 6.82 transferable units on an exception basis. These students must demonstrate exceptional qualifications.*

### B. Communication Skills II - Second Language

A student may satisfy this requirement in a modern or classical language by meeting one of the following alternatives:

1. Passing the intermediate (221 or 202) level of one language (credit varies from 1-2 units depending on the intensity of the courses).
2. Presenting a score of 3, 4, or 5 on a modern language Advanced Placement exam taken prior to initial enrollment (student would receive an exemption, but no credit, for a score of 3; the credit varies for a score of 4 or 5); presenting a score of 4 or 5 on the Latin Advanced Placement exam (carries 1 unit of credit).
3. Presenting a score of 5, 6, or 7 on an IB Higher Level exam in a modern language (credit varies).
4. Presenting an acceptable score on the SAT-II Subject Test - Language taken prior to initial enrollment (carries no credit).

5. Achieving an acceptable score on a departmental placement exam (carries no credit).
6. For nonnative English speakers, submission of TOEFL scores for admission (carries no credit).

### D. Fields of Study

A student may satisfy the fields of study requirements by passing one approved course in each of the areas of historical studies, literary studies, social analysis, symbolic reasoning, visual and performing arts, and the natural sciences. Such courses must have been approved by the General Education Committee and the faculties of the schools of Arts and Sciences, Robins School of Business, and Jepson School of Leadership Studies as meeting these requirements.

Courses meeting general education requirements are designated in this catalog following the course description, as well as in the list of classes on the Web site. All courses used to meet general education requirements must be passed with a grade of D- (.7) or higher.

## Summary of Degree Requirements

### I. General Education Requirements

(FSVP)

Total: up to 12 units

	Type of Requirement	Units
First Year Seminars	FYS 100 (two seminars)	2 units
	Second language (COM2)	up to 4 units (a)
	Oral communication	noncredit (b)
Fields of Study	Historical studies (FSHT)	1 unit
	Literary studies (FSLT)	1 unit
	Natural science (FSNB/FSNC/FSNP)	1 unit
	Social analysis (FSSA)	1 unit
	Symbolic reasoning	1 unit
	Visual and performing arts	1 unit

*a. May be satisfied by a demonstration of proficiency upon entrance to the University without carrying credit (Language courses carry variable credit). For non-native English speakers, students who must submit TOEFL scores for admission are exempt from the COM2 requirement. Language courses in Arabic and Russian may require additional conversation courses to reach the Intermediate level.*

*b. Described in General Education section.*

### II. Wellness Requirement

In keeping with the University's objective of fostering knowledge and personal well-being, every undergraduate student will complete a three part wellness series prior to graduation. Before arriving on campus, first year and transfer students will

complete Alcohol Edu, an on-line alcohol prevention and education program. Once on campus, students will complete a two-hour alcohol seminar (WELL 085) specific to policies of the University and the Commonwealth of Virginia. Students are also required to complete two WELL 090 health education topics courses. Classes are geared towards topics that will promote academic success and personal health.

Students who have not satisfactorily completed WELL 085 by registration for the spring semester of their second year will have an administrative hold put on their record and will not be able to register until they have made arrangements to take the class. The Plus2 component, Wellness 090, is strongly urged to be taken and satisfactorily completed before or during the third year.

URAWARE (WELL 085)	noncredit
Plus2 (WELL 090, two topics of choice)	noncredit

### III. Completion of a Major

All undergraduate degrees at the University of Richmond require satisfactory completion of one major. Multiple majors and/or minors may also be pursued and upon completion will be recorded on the permanent academic record.

The major is a field of academic study chosen as an area of specialization. A major may be in a subject area and will include courses in that subject area along with courses prerequisite to those required courses and may also include designated courses outside the subject area. Interdisciplinary programs will include courses from a number of different subject areas. Majors require between 9 and 18.5 total units, counting all courses both inside and outside the subject area, including all prerequisites for those courses. (See the section for each school for specific major or minor requirements.)

The School of Arts and Sciences offers the Bachelor of Arts and the Bachelor of Science degrees. The Robins School of Business offers the Bachelor of Science in Business Administration degree. The Jepson School of Leadership Studies offers the Bachelor of Arts degree.

In addition to the degree requirements previously stated under Graduation, a candidate must satisfy major requirements outlined in the following sections.

Major Requirements	9 -18.5 total units
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### IV. Curriculum and Achievement

Undergraduate degree candidates must earn a grade point average of not less than 2.00 on all coursework attempted.

Candidates for the Bachelor of Arts, Bachelor of Science, or Bachelor of Science in Business Administration must complete 35 units.

### V. Additional Degree Requirements

- 17.5 unit on-campus residency requirement (transfer students should see section on Transfer Credit)
- 28 unit residency requirement, to include work taken on approved exchange and study abroad programs and visiting away and off-campus programs as well as courses taken through dual degree and cross-registration programs (this requirement is pro-rated for transfer students)
- Application for degree and attendance at Commencement
- Completion of financial and administrative obligations

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### School of Arts and Sciences

The School of Arts and Sciences offers a majority of the courses taken by undergraduate students at the University. Even students who major in business or leadership studies take up to two-thirds of their

courses, elective as well as general education courses, in the School of Arts and Sciences. The school provides a broad range of majors and offers numerous opportunities for interdisciplinary study.

Such study takes many forms, from self-designed programs to interdisciplinary concentrations within traditional fields to fully developed interdisciplinary majors. Graduates today live in a world in which the ability to integrate knowledge and skills from a variety of disciplines is increasingly important. The School of Arts and Sciences fully recognizes this fact and is constantly working to create opportunities for students to integrate and apply what they are learning.

Engagement in active and interactive learning is the hallmark of education in the School of Arts and Sciences. Students are involved in guided independent study projects, collaborative research with faculty and other students, internships and other service-learning experiences, and artistic and creative projects. Active engagement enables students to assume increasing responsibility for their own learning and development and prepares them for life-long growth and adaptation to change.

The faculty of the school are committed, first and foremost, to teaching and learning and to the overall education and development of their students. Faculty take the advising and mentoring of students very seriously and meet frequently with their students and advisees to discuss course-related projects as well as career plans and long-term goals.

The school's faculty are also productive scholars and artists who introduce students to the excitement of research and creative activity. As distinguished scholars, scientists, artists and practitioners, they are able to teach by example as well as by precept.

By graduation, arts and sciences students are well-prepared for further study in graduate or professional schools and for employment in a variety of fields, including healthcare, government, business, law, and nonprofit work. The knowledge and skills fostered by a liberal arts education serve students well in the world of work, as well as in their personal lives. In addition, an education in the School of Arts and Sciences prepares students to become well-informed and thoughtful citizens, to be able to contribute to the lives of others, and to help advance the society of which they are a part.

### Curriculum Requirements

The School of Arts and Sciences offers the Bachelor of Arts and the Bachelor of Science degrees.

In addition to the degree requirements previously stated under Graduation, a candidate must satisfy major requirements outlined in the following pages.

**Course limitations-** Of the following, no more than the stated units of credit can count toward any degree in a given school:

- 3.5 units - Internship courses of whatever kind, excluding student teaching, legislative internship and Theatre 330-341 Practicum
- 1.5 units - Internship 388 taken in the same academic department

## Bachelor of Arts

### I. Degree Requirements

To qualify for a Bachelor of Arts degree, students must complete the degree requirements listed previously, including general education requirements, wellness, curriculum, achievement, and residency requirements, along with completion of the requirements for at least one major.

### II. Requirements for the Major

The major is a field of academic study chosen as an area of specialization. A major will include courses in a subject area\*, such other courses outside the subject area as may be designated, and any courses prerequisite to those required courses. Unless a special waiver of the Academic Council has been granted to a department or program and endorsed by the arts and sciences faculty, a major will require 9 to 11 units in a single subject area, including all prerequisites within the subject area. In addition, a major will require no more than 15.5 total units, counting all courses both inside and outside the subject area, including all prerequisites for those courses. Majors in interdisciplinary programs will require a minimum of 9 units and no more than 15.5 total units, including all prerequisites.

In no case may a student count more than 17.5 units from a single subject area toward the minimum number of units necessary for graduation.

Basic modern second language courses through the intermediate level, and the wellness requirements will not be counted toward the major. Classical languages are exempt from this exclusion.



A student may concurrently fulfill the requirements of more than one major. To initiate more than one major, the student should declare the majors in the manner currently provided. Upon graduation, only one degree will be conferred\*\*, but each completed major will be recorded on the student's permanent academic record, provided the student has listed the major on the degree application and is certified to have completed all of the requirements specified for the given major.

If a student's major(s) and other coursework can be arranged to meet the requirements for either the Bachelor of Arts degree or the Bachelor of Science degree, no more than one degree has been earned; however, the student must specify which degree is desired. Any major associated with a degree not chosen shall be recorded according to the provisions previously stated.

Specific major requirements may be found under the appropriate academic department listing in the Curricula section. In that section, the requirements are presumed to be for the Bachelor of Arts degree unless otherwise stated. For a description of the minor option, see that heading in the Interdisciplinary Programs section of this chapter.

\* *Subject area refers to coursework listed under a single specified rubric.*

\*\* *Students interested in earning more than one undergraduate degree should refer to the Second Undergraduate Degree section.*

## **Bachelor of Science**

### **I. Degree Requirements**

The requirements are the same as for the B.A., except proficiency in calculus also must be demonstrated by passing Mathematics 212, 232, or 235 (cannot be taken pass/fail) or completing the Advanced Placement test with an acceptable score.

### **II. Requirements for the Major**

The provisions listed under the B.A. apply. The B.S. is offered only in biochemistry, biology, chemistry, computer science, environmental studies, interdisciplinary studies, mathematics, mathematical economics, physics, interdisciplinary physics, and psychology. For differences in the major requirements for the degrees, consult the appropriate departmental description under Curricula.

A major will include courses in a subject area, such other courses outside the subject area as may be designated, and any courses prerequisite to those required courses. (See note under Bachelor of Arts for definition of subject area.) Unless a special waiver by the Academic Council has been granted to a department or program, and endorsed by the faculty, a major will require 9 to 13 units in a single subject area, including all prerequisites within the subject area. In addition, a major will require no more than 18.5 total units, counting all courses both inside and outside the subject area, including all prerequisites for those courses and Calculus II. The interdisciplinary studies program will require a minimum of 9 units and no more than 18.5 total units, including all prerequisites.

In no case may a student count more than 17.5 units from a single subject area toward the minimum number of units necessary for graduation.

## **Special Program Opportunities**

### **Honors Program**

Outstanding students with intellectual initiative and the desire to pursue academic achievement beyond standard coursework have the opportunity to broaden and deepen knowledge in selected major fields through the Honors Program. Departmental honors coordinators invite promising qualified majors to apply, but an interested student may contact his or her major department or the faculty committee on the Honors Program to indicate interest and obtain further information. To qualify, a student should have at least a 3.30 cumulative grade point average, 18 or more units completed and, excluding coursework primarily for first-year students, 3.5 or more units completed with distinction in the major field. Successful completion of an Honors Program is shown on the student's permanent academic record and on the diploma.

### **Cultures and Languages Across the Curriculum (CLAC)**

The Cultures and Languages Across the Curriculum program allows students to use their language skills and other cultural perspectives to enhance learning and research in all disciplines. Certain courses in the School of Arts and Sciences, Jepson School of Leadership Studies, and the Robins School of Business are offered in conjunction with a Cultures and Languages Across the Curriculum component, an optional quarter unit of work in a second language

associated with a regular class. The CLAC component is worth one quarter unit and is graded pass/fail. To find a CLAC section, look for courses marked "CLAC credit available" or go directly to each semester's listings under Cultures and Languages Across the Curriculum. The following departments have recently offered courses with CLAC sections: English, history, leadership studies, modern literatures and cultures, music, and philosophy. More CLAC sections are being developed in other departments. For further information, contact the CLAC program coordinator.

### **Dual-Degree Engineering Programs**

In cooperation with selected engineering schools, the University offers the opportunity for students interested in engineering careers to earn two bachelor's degrees in five years, one from the University of Richmond and another from a cooperating engineering school. In the 3-2 Engineering Program, a student spends three years at Richmond, completing all of the general education requirements, almost all of the requirements for a major in physics, plus selected other courses. The student spends the remaining two years at the engineering school. The School of Engineering and Applied Science at George Washington University is a participant. The University of Richmond's physics department's pre-engineering advisor can provide information about participating programs and requirements.

### **Interdisciplinary Programs**

#### **Self-Designed Interdisciplinary Studies Major**

Under the general supervision of two faculty advisors and the coordinator of interdisciplinary studies, the University offers a self-designed interdisciplinary major. The interdisciplinary major provides a student the opportunity to propose and pursue, with faculty supervision, a unique program of study leading to either a Bachelor of Arts or a Bachelor of Science degree with a major in interdisciplinary studies. A senior thesis, which is the culmination of the major and for which the student receives one unit, is required.

Applications and further information are available from the coordinator of interdisciplinary studies. Applications are to be submitted to the coordinator of interdisciplinary studies by April 1 of the second year. At least a 3.00 cumulative grade point average is recommended.

### **Interdisciplinary Majors**

In addition to the self-designed interdisciplinary major, the School of Arts and Sciences offers support for interdisciplinary study through a number of interdisciplinary programs that offer majors within the Bachelor of Arts degree. They are American studies, classical civilization, cognitive science, criminal justice, environmental studies, film studies, geography, international studies, philosophy, politics, economics, and law, and women, gender, and sexuality studies. Environmental studies, interdisciplinary physics, and mathematical economics are the interdisciplinary major options within the Bachelor of Science degree. Further information is available from the program coordinators listed under each program.

### **International Studies Major**

International studies is a cross-cultural, interdisciplinary major composed of six areas of concentration, of which the student selects one. The concentrations are Africa, Asia, international economics, Latin America, Middle East, modern Europe, and world politics and diplomacy. Further information is available from the program coordinator.

### **Interdisciplinary Concentrations**

The School of Arts and Sciences offers a series of curricular configurations known as interdisciplinary concentrations within disciplinary majors or minors. Instead of constituting stand-alone majors or minors, these concentrations are tied closely to selected majors, thus fostering an integrated learning experience that offers depth in a traditional discipline combined with breadth in interdisciplinary study. Current interdisciplinary concentrations include arts management (for art history, studio art, dance, music, and theatre majors or minors); comparative literature (for English majors); medieval and Renaissance Studies (for art history or English majors); and neuroscience (for biology or psychology majors). An interdisciplinary concentration within a disciplinary major toward a B.A. will require no more than 21 total units, counting all courses and including all prerequisites for those courses. An interdisciplinary concentration within a disciplinary major toward a B.S. degree will require no more than 22 total units, counting all courses and including all prerequisites for those courses and Calculus II. For specific descriptions and requirements, refer to the Interdisciplinary Concentrations section.

## Internships

Internships provide students with supervised opportunities to understand by direct experience how skills and theories learned in the classroom are applied in business, industry, community agencies, and government. Each internship must include an academic base, such as an appropriate reading list or other resources, which demonstrates or stresses the interrelatedness of the academic background with the selected workplace.

Any academic department may offer an individual internship under the following general description: 388 Individual Internship. Application of academic skills and theories in a selected work environment, plus related academic work supervised by a member of the faculty. Pass/fail grading may be designated by a department for any or all enrollments. May be repeated; however, no more than 1.5 units in the same department may be counted toward the total number of units required for a degree. Prerequisite: Permission of department concerned. .25-1.5 units. Note: No more than 3.5 units of internship of any kind may count toward the total number of units required for a degree. Student Teaching and Theatre Arts Practica are not included in this policy.

Individual departments may have varying limitations on internships. They may be only available to majors and/or minors in the department. Internships usually are limited to junior or senior students who must have the prior approval of the department concerned.

Further information is available from the chair or coordinator of the appropriate department or program.

## Visiting Away Programs

Students who wish to study away from the University of Richmond for a semester or year and maintain active status must participate in a program that has been approved for visiting away status. Students leaving the University on any program that does not carry visiting away status must withdraw from the University and apply to the appropriate dean for readmission.

Visiting away programs are approved by the academic council of the appropriate school and the Office of the University Registrar, which maintains a list of approved visiting away programs. This list is subject to change and will be reviewed on a periodic

basis. (A program that is approved for one student will not necessarily be approved for another student since the decision is based not only on the academic reputation of the program, but also on the relevancy of the program to the student's individual academic program.)

Students wishing to participate in an approved domestic program must submit a copy of their letter of acceptance to the program, a completed Transfer Approval Form and a completed Visiting Away Approval Application Form to the Office of the University Registrar. Upon receipt of these documents, the student will be enrolled with an off-campus (OF) enrollment status. For study abroad programs, a subcommittee of the International Education Committee will review student petitions. If a student's petition is approved, the Office of International Education will notify the Office of the Registrar to enroll the student in an abroad (AB) enrollment status. (Students seeking "AB" status should consult the Office of International Education for complete instructions.)

Enrollment in OF or AB status entitles the student to remain as an active Richmond student, which entitles him or her to benefits of priority registration, housing, certain types of financial aid (e.g., loans and Pell Grants), library access, mailbox and e-mail account. Students with OF or AB status will not be billed for tuition as Richmond students during the semester(s) away.

Credits from visiting away programs will be treated as transfer credits, requiring transfer approval and affecting units toward graduation. The credits are not calculated in the GPA and require a C or better to transfer. Credits are applied to the student's record only upon receipt of an official transcript from the sponsoring institution. Exceptions to this would be programs in which the decision is made to partner with the sponsoring institution, in which case the courses would be listed as Richmond courses on the transcript and the grades treated as having been earned at Richmond. Approval for such programs would be submitted through the same channels as outlined above.

## Marine Studies

The University of Richmond Department of Biology and the Duke University Marine Laboratory (DUML) offer a program supplement in marine science. Instruction is given by DUML and may be accepted as transfer credit in the student's University of

Richmond program. Further information about the program can be obtained from the University of Richmond Department of Biology.

### Minor Option

A minor is a secondary academic specialization that may be sought in addition to the required academic major. A minor consists of at least 4.5 units and may include certain other requirements as specified by the academic department concerned. A student may elect to complete more than one minor in the degree program. The minor is declared in the same manner as the major. Upon graduation, each completed minor will be recorded on the student's permanent academic record, provided the minor is listed on the degree application form and the requirements have been met. Many academic departments offer a minor. The requirements in the minor, for the departments in which the minor is available, are presented under the appropriate departmental listing in the Curricula section.

### Research Grants for Undergraduates

Each year the School of Arts and Sciences offers its students unusual opportunities for research projects. Grants are awarded by the Undergraduate Research Committee to support research projects in a variety of ways such as the purchase of materials and equipment, travel or other such expenses and presenting or publishing the results of the research. The grant may be awarded for a project that is the student's own idea or an idea that has been conceived in cooperation with a faculty member; in any case, there must be a faculty member who is willing to supervise the project. Generally, the project is approved for academic credit, and often the student and the faculty member will coauthor one or more professional papers on the work. Application forms and further information are available from the associate dean of the School of Arts and Sciences, whose office is in the administrative wing of Boatwright Library, or through the departmental chair of the department in which the project is to be supervised.

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## American Studies

*Douglas Winiarski, Coordinator (Religion)*

American studies is an interdisciplinary program that provides students with opportunities to combine courses on the anthropology, art, history, journalism, literature, music, philosophy, politics, religion, and sociology of the United States into a single major. The requirements for the program emphasize student initiative in crafting a distinctive program of study that meets the academic interests of each major. Students may choose to focus on race and ethnicity studies in the United States, a discrete time period, or a distinctly multidisciplinary methodological approach. The opportunities to develop a unique program of study, therefore, are as diverse as the students who elect to major in American studies.

The American studies major consists of nine courses, including AMST 201, a topical survey open primarily to first-year students and sophomores, and AMST 400, a capstone seminar that explores theories and methods in the field. Majors work closely with the program coordinator and a faculty advisor to determine a specialized course of study for the remaining seven electives. These courses must be drawn from at least three departments and revolve around a coherent issue, theme, time period, or methodological approach to United States culture and society. Four of these electives must be taken at the 300 level or higher. Introductory courses for departments are ineligible. Students must complete all prerequisites for courses taken in allied departments in addition to the requirements for their American studies major. For a complete list of past, current, and upcoming AMST courses and electives, see the "Planning Your Program" link on the American studies Web site ([american-studies.richmond.edu/](http://american-studies.richmond.edu/)).

In addition, all students must complete a "Statement of Intellectual Interest & Projected Course of Study" application when they declare their American Studies major. This document consists of a one paragraph statement of intellectual interest in which prospective majors describe their academic goals and provide a list of existing courses that will help them to meet those goals. A coherent course of study, for example, might focus on African American politics, history, and culture; art, literature, and music of the Jacksonian Era; class, social activism, and the urban built environment; gender politics and religious beliefs in the contemporary United States; transnational, multiethnic, and border crossing American identities; media and technology issues; or queer theory approaches to American theater and film. These are only a few of the many possible ways to combine courses in allied departments into a

coherent course of study. Students are encouraged to exercise creativity and independence in determining which electives will count toward their major. For a complete list of statements by previous majors, see the American Studies Web site.

The discipline of American studies increasingly emphasizes explorations of United States culture and society in relation to international politics, the global economy, and population migrations. For this reason, students who study abroad are strongly encouraged to pursue coursework related to their American studies majors.

In addition to completing the standard requirements for the major, qualified students may elect to write an honors thesis (AMST 401) during the spring semester of their senior year. Theses are written under the supervision of a sponsoring faculty member and require the prior approval of a formal prospectus submitted to the American studies advisory council before November 15.

Students interested in learning more about the American studies major are encouraged to contact the program coordinator for more information.

### **The American Studies Major**

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.70).

9 units, including  
 AMST 201 Introduction to American Studies  
 Seven electives, chosen in consultation with the faculty advisor, including four at 300 level or higher  
 AMST 400 Seminar in American Studies

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

### **Courses**

#### **AMST 201 Introduction to American Studies**

Surveys multidisciplinary approaches to American studies with specific emphasis on methodologies, sources, themes, and major ideas.

**Unit(s):** 1

#### **AMST 381 Community Problem Solving Seminar**

Combines community internship with reading and discussion about community problems from multidisciplinary perspectives.

**Prerequisite(s):** American Studies 201 and permission of program coordinator and faculty supervisor.

**Unit(s):** 1

#### **AMST 398 Selected Topics**

Varying interdisciplinary topics related to American studies. Area of study will vary according to instructor and course topic.

**Unit(s):** 1

#### **AMST 399 Independent Study**

Individually designed reading or research program conducted under faculty supervision.

**Prerequisite(s):** American Studies 201 and permission of program coordinator and faculty supervisor.

**Unit(s):** .5-1

#### **AMST 400 Seminar in American Studies**

Advanced seminar that examines the historical, methodological, and theoretical development of American studies as an academic discipline. Offered fall semester only.

**Prerequisite(s):** American Studies 201 and junior or senior status.

**Unit(s):** 1

#### **AMST 401 Thesis**

Thesis project designed, researched, and written by students under faculty supervision. Offered spring semester only.

**Prerequisite(s):** American Studies 201, senior status, 3.5 grade point average within the major, and a prospectus with bibliography approved by the American studies advisory council.

**Unit(s):** 1

#### **AMST 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours



per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

## Anthropology

### Department of Sociology and Anthropology

*Carol Wharton, Chair*

*Associate Professors Hass, Neff, Nourse, Obi, Wharton*

*Assistant Professors French, Ransom, Baykal, Briddell, Richards*

*Professionals from the field also are employed as adjunct faculty.*

The major in anthropology stresses cultural anthropology, the study of contemporary and historically recent human societies around the world. Specifically, cultural anthropology focuses on the ways in which various individuals and groups (societies) construct their ideas (culture) about the world and the ways in which these ideas influence how various people behave. Courses in anthropology compare diverse cultures to ascertain their similarities as well as their differences. Some courses in cultural anthropology study particular regions of the world and the way in which those peoples construct their realities and find meaning in their lives. Other courses in cultural anthropology select various dimensions of human life - family, gender, religion, politics, art, etc., and examine how one of these subjects relates to all the other dimensions in one particular culture or across cultures in general.

### The Anthropology Major

**Note:** The grade point average of the anthropology coursework comprising the major must be no less than 2.00 with no course grade below C- (1.7).

10.5 units, including  
 ANTH 101 Introduction to Cultural Anthropology  
 ANTH 211 Introduction to Ethnographic Field Methods  
 ANTH 290 Theoretical Foundations of Cultural Anthropology

ANTH 400 Senior Thesis Proposal

ANTH 401 Capstone Seminar

At least two regional courses from List A

At least two topical courses from List B

Two electives from either List A or List B

Participation in an approved study abroad experience of at least six weeks in duration

*Notes:*

- Upper-level courses are taught on a rotating basis.
- Students must achieve a grade of C or better in both ANTH 211 and ANTH 290 in order to take 400-level courses in the department and to receive credit toward the major for courses taken outside the department.
- Students are expected to fulfill all prerequisites necessary for courses within the major/minor. Prerequisites do not count toward the major/minor unless otherwise noted.
- A maximum of three courses may be taken in a department outside of the University of Richmond's Department of Sociology and Anthropology with departmental approval. These courses may be taken within another department at the University of Richmond, or at another accredited institution or through an approved study abroad program.

### The Anthropology Minor

**Note:** The grade point average of the anthropology coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.7). One course may be taken in a department outside of the University of Richmond's department of sociology and anthropology with departmental approval. This course may be taken within another departments at the University of Richmond, or at another accredited institution or through an approved study abroad program.

5 units, including

ANTH 101 Introduction to Cultural Anthropology  
 Four additional units in anthropology

### List A: Regional Courses

ANTH 279 Selected Topics (as approved by department)

ANTH 307 Indigenous Peoples of the Americas

ANTH 308 Latin America: An Ethnographic Perspective

ANTH 338 Africa: Cultural Change in a Post-Colonial Setting

ANTH 340 Southeast Asia: Cultural Representations  
 ANTH 350 Sex and Gender in the Middle East  
 ANTH 360 Power and Society in the Middle East  
 ANTH 379 Selected Topics (as approved by the department)  
 SOC 230 Introduction to the Study of Africa

**List B: General Anthropology Courses**

ANTH 279 Selected Topics (as approved by department)  
 ANTH 300 Sexuality and Gender Across Cultures  
 ANTH 302 Medicine and Health from a Global/Anthropological Perspective  
 ANTH 304 Ritual, Witchcraft and Divination  
 ANTH 328 Anthropology of Human Rights  
 ANTH 329 Anthropology of Race  
 ANTH 335 Law and Order: The Anthropology of Justice  
 ANTH 336 Politics, Power and Ritual  
 ANTH 379 Selected Topics (as approved by department)  
 ANTH 388 Individual Internship  
 ANTH 426-427 Directed Independent Study  
 ANTH 489 Research Practicum  
 CLSC 220 Introduction to Archaeology  
 MLC 350 Introductory Linguistics  
 MUS 229 Critical Studies of Ethnomusicology

**Courses**

**ANTH 101 Introduction to Cultural Anthropology**

Examines how people make cultural meaning out of their lives and explores the way in which anthropologists come to understand other people's construction of culture. Cross-cultural perspective on family, kinship, language, religion, gender and sexuality, and other aspects of social life.

**General Education Requirement:** (FSSA)

**Unit(s):** 1

**ANTH 211 Introduction to Ethnographic Field Methods**

Introduces the methodologies used in cultural anthropology, as well as theories behind these methodologies. Issues of objectivity, ethical research and presentation, the political nature of the production of knowledge, positioning the researcher, and the uses to which training in ethnographic methods might be put.

**Prerequisite(s):** Anthropology 101.

**Unit(s):** 1

**ANTH 279 Selected Topics in Anthropology**

Various topics in the field of anthropology. May be repeated for credit if topics are different.

**Prerequisite(s):** Anthropology 101.

**Unit(s):** 1

**ANTH 290 Theoretical Foundations of Cultural Anthropology**

History of cultural and social anthropological thought, major theoretical perspectives and contemporary issues as to how humans construct their social worlds.

**Prerequisite(s):** Anthropology 101.

**Unit(s):** 1

**ANTH 300 Sexuality and Gender Across Cultures**

Theoretical and ethnographic examination of masculinity and femininity within various worldwide cultures.

**Prerequisite(s):** Anthropology 101.

**Unit(s):** 1

**ANTH 302 Medicine and Health from a Global/Anthropological Perspective**

Examines, through an anthropological lens, ways in which non-western and western cultures conceptualize human bodies, medical practice and the process of healing. Considers ways in which ethnomedical (shamanistic, Ayurvedic, acupunctural, and herbal) practices coincide and/or clash with biomedical practices in the US and globally. Reflects on international policies, pharmaceutical corporations and indigenous movements to nationalize ethnomedicine and reject biomedicine.

**Prerequisite(s):** Anthropology 101, Sociology 101, or International Studies 290

**Unit(s):** 1

**ANTH 304 Ritual, Witchcraft & Divination**

Examines the ways ritual, witchcraft and divination permeate all societies and cultures throughout the world. Includes discussions of shamanism and drug use for religious purposes, as well as voodoo, cults, and New Age healing.

**Prerequisite(s):** Anthropology 101.

**Unit(s):** 1

**ANTH 307 Indigenous Peoples of the Americas**

Historical development, culture, relations with governments and international organizations, and current issues of indigenous peoples throughout the Americas, including the U.S.

**Prerequisite(s):** Anthropology 101.

**Unit(s):** 1

**ANTH 308 Latin America: An Ethnographic Perspective**

Anthropological overview of Latin American cultures and subcultures. Considers indigenous and African-descendants' rights, local and national politics, gender relations, perspectives on race and color, religion, urban/rural distinctions, migration, colonial dynamics, and post-colonial legacies.

**Prerequisite(s):** Anthropology 101.

**Unit(s):** 1

**ANTH 328 Anthropology of Human Rights**

Examines the origins of human rights discourse and practice in the 20th century and the elaboration and dissemination of human rights concepts in the post-World War II period, including analysis of institutional grounding in United Nations and non-governmental organizations. Considers human rights from a cross-cultural, anthropological perspective.

**Prerequisite(s):** Anthropology 101, International Studies 290, Political Science 240, Political Science 250, Political Science 260, Sociology 101, or Leadership Studies 101.

**Unit(s):** 1

**ANTH 329 Anthropology of Race**

Examines, through an anthropological lens, cultural constructions of race, by comparing racial constructs and designations in the United States with those in other societies, and by considering theories of race intersect with public policy, the popular imagination, and individual experiences.

**Prerequisite(s):** Anthropology 101, Sociology 101, or International Studies 290

**Unit(s):** 1

**ANTH 335 Law and Order: The Anthropology of Justice**

Focuses on law, order, and justice as cultural phenomena and takes comparative approach to jurisprudence, dispute resolution, law-making processes, and the relation of law to justice, politics, culture, and values.

**Prerequisite(s):** Anthropology 101, Sociology 101, International Studies 290, or Leadership Studies 102

**Unit(s):** 1

**ANTH 336 Politics, Power and Ritual**

Power, authority, and conflict in cross cultural perspective. Theoretical and ethnographic examination of themes in political and legal anthropology.

**Prerequisite(s):** Anthropology 101.

**Unit(s):** 1

**ANTH 338 Africa: Cultural Change in a Post-Colonial Setting**

Theoretical and ethnographic examination of history, economics, kinship, religion, and gender in various pre- and post-colonial African contexts.

**Prerequisite(s):** Anthropology 101.

**Unit(s):** 1

**ANTH 340 Southeast Asia: Cultural Representations**

Theoretical and ethnographic examination of Orientalism through classic and contemporary representations of Southeast Asia and its peoples.

**Prerequisite(s):** Anthropology 101.

**Unit(s):** 1

**ANTH 350 Sex and Gender in the Middle East**

Beginning with a brief historical, religious, and geographical overview, the course will draw attention to the "Orientalist gaze" of Western perception that tends (incorrectly) to regard veiled Middle Eastern women as victims of patriarchal or religious oppression. Subsequently reviews detailed analyses of ways in which contemporary men and women the Middle East behave in everyday contexts.

**Prerequisite(s):** Anthropology 101 or one of the following: Sociology 101, International Studies 290, Women, Gender, and Sexuality Studies 200.

**Unit(s):** 1

**ANTH 360 Power and Society in the Middle East**

Considers the ways in which power and authority are expressed and reproduced in the Middle East within a wide range of social and political settings.

**Prerequisite(s):** Anthropology 101 or Sociology 101.

**Unit(s):** 1

**ANTH 379 Selected Topics**

Various topics in the field of anthropology, such as sex and gender in the Middle East. May be repeated for credit if topics differ.

**Prerequisite(s):** Anthropology 101.

**Unit(s):** 1

**ANTH 388 Individual Internship**

Supervised independent field work. Requires permission of a supervising faculty member and approval by the department chair. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Anthropology 101 and permission of instructor.

**Unit(s):** .5

**ANTH 400 Senior Thesis Proposal Seminar**

Preparation course for senior thesis in which students conduct research, write annotated bibliography, write proposal and submit proposal to Institutional Review Board for the senior capstone thesis in the spring.

**Prerequisite(s):** Anthropology 211 and Anthropology 290 with a grade of C or better and permission of instructor.

**Unit(s):** .5

**ANTH 401 Capstone Seminar**

Preparation of senior thesis to complete anthropology major.

**Prerequisite(s):** Anthropology 400.

**Unit(s):** 1

**ANTH 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**ANTH 426-427 Directed Independent Study**

Intensive study of a specific topic within anthropology under the direction of a member of the faculty. Requires approval by the department chair.

**Prerequisite(s):** Anthropology 211 and Anthropology 290 with a grade of C or better.

**Unit(s):** .5-1

**ANTH 489 Research Practicum**

Work closely with professor on research project, including design, data collection, data analysis, and dissemination of results. Requires permission of a supervising faculty member and approval by the department chair.

**Prerequisite(s):** Anthropology 211 and Anthropology 290 with a grade of C or better.

**Unit(s):** .5-1

## Arabic Studies

### Department of Modern Literatures and Cultures

*Associate Professor Hamarneh  
Director of Arabic Language Program Sulzer-Reichel*

This section contains information specific to the program in Arabic Studies. For full information regarding departmental policies relevant to all MLC programs, study abroad, and course sequencing, see the main page of the Department of Modern Literatures and Cultures.

### Study Abroad

Study and travel abroad are strongly encouraged for all students. For students of Arabic, the department offers a summer study program in Jordan. Exchange agreements for study during the academic year in Egypt and Morocco are being negotiated. For a complete list, contact the Office of International Education.

### The Arabic Studies Minor

5 units, including

ARAB 301 Arabic in the Media

ARAB 302 Arabic in Literature

ARAB 397 Selected Topics

ARAB 495 Independent Study in Arabic Studies

One unit, chosen from

- ANTH 350 Sex and Gender in the Middle East
- ANTH 360 Power and Society in the Middle East
- GEOG 279 Middle Eastern Geographies
- HIST 100 Harems and Veils
- HIST 271 The Modern Middle East
- HIST 272 The Ottoman Empire
- HIST 370 Contending Visions of the Middle East
- IS 354 The Middle East in the Media/Media in the Middle East
- LAWE 653 Islam, Law and Society (when cross-listed with Arabic)
- LAWE 685 Muslim Family Law (when cross-listed with Arabic)
- PLSC 340 Islam in Politics
- PLSC 355 International Relations of the Middle East
- RELG 244 Women in Judaism, Christianity, and Islam
- RELG 250 Introduction to World Religions
- RELG 263 Religion and the Arts
- RELG 265 Religion and Moral Decisions
- RELG 268 Religion and Literature
- RHCS 345 Rhetoric of Terrorism

### Courses

#### **ARAB 101-102 Introduction to the Arabic Language and Culture**

Introduction to Arabic language and culture, which are fundamental for any modern Arab society; development of skills in listening, speaking, reading and writing.

**Prerequisite(s):** Arabic 101 is the prerequisite to

Arabic 102.

**Unit(s):** 1-1

#### **ARAB 121 Intensive Introduction to Arabic Language and Culture**

Introduction to Modern Standard Arabic.

Development of basic reading, writing, and speaking skills.

**Unit(s):** 2

#### **ARAB 201-202 Intermediate Arabic Language and Culture**

Continuation of Arabic 101-102 or Arabic 121 with deepening of Arabic grammar, further development of reading, writing, and speaking skills in Modern Standard Arabic.

**Prerequisite(s):** Arabic 102 or 121 is the prerequisite to Arabic 201. Arabic 201 is the prerequisite to Arabic 202.

**General Education Requirement:** (202 only, COM2)

**Unit(s):** 1-1

#### **ARAB 203-204 Intermediate Arabic Conversation**

Intensive training to develop practical communicative skills and accelerate oral proficiency.

**Prerequisite(s):** Must be taken with or after completion of Arabic 201-202.

**Unit(s):** .5-.5

#### **ARAB 301 Arabic in the Media**

Deepens and refines students' knowledge of the grammatical structures of the Arabic language with a focus on comprehension and discussion of texts taken mainly from Arabic news media. Part of the course will be devoted to building the students' familiarity with regional dialects (Egyptian or Levantine Arabic) and strengthening oral proficiency skills.

**Prerequisite(s):** Arabic 202.

**Unit(s):** 1

#### **ARAB 302 Arabic in Literature**

Continues to build students' knowledge of Arabic language and culture. Course materials include readings from contemporary short stories, excerpts from novels, and poetry. As an initial introduction to Arabic literature, the course emphasizes writing and



speaking in Modern Standard Arabic, thus modeling the language spoken at international conferences. In an additional session per week, students will practice their debating skills in Arabic in the form of a mini colloquium.

**Prerequisite(s):** Arabic 301 or permission of department.

**Unit(s):** 1

**ARAB 303-304 Advanced Arabic Conversation**

Intensive training to develop practical communicative skills and accelerate oral proficiency.

**Prerequisite(s):** Must be taken with or after completion of Arabic 301-302.

**Unit(s):** .5-.5

**ARAB 397 Selected Topics**

Selected topics related to Arabic language, literature, and culture, to be offered at the discretion of the department.

**Prerequisite(s):** ARAB 301

**Unit(s):** 1

**ARAB 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**ARAB 495 Independent Study in Arabic Studies**

Special projects individually pursued under supervision of faculty member.

**Prerequisite(s):** Departmental approval.

**Unit(s):** 0.5-1

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**Archaeology**

*Elizabeth Baughan, Coordinator (Classical Studies)*

Archaeology is the study of the human past through its material remains. The proposed minor in Archaeology draws upon courses in Anthropology, Art History, Classical Studies, and Geography that focus on archaeological evidence, material culture, methods of archaeological inquiry and analysis, and/or the study of human behavior. This minor will give students who are already focusing on archaeology through such courses (and, in some cases, summer fieldwork) the opportunity to declare their interest more officially and the incentive to specialize more closely. It will also encourage interdisciplinary study and build upon UR's affiliation with Bilkent University (Ankara) in archaeological fieldwork in Turkey. The curriculum is designed to prepare students for careers or postgraduate study not only in archaeology, but also in fields such as ancient art history, GIS (geographic information systems), conservation, architectural history, museum studies, and cultural property law.

**The Archaeology Minor**

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.7)

6 units, including

Two courses, chosen from

- CLSC 220 Introduction to Archaeology
- CLSC 301 Greek Art and Archaeology
- CLSC 302 Roman Art and Archaeology
- CLSC 321 Archaeology of the Middle East

Four additional courses, chosen from

- ANTH 101 Introduction to Cultural Anthropology
- ANTH 290 Theoretical Foundations of Cultural Anthropology
- ART 121 Survey I: Prehistory through the Middle Ages
- ART 309 Image and Icon in Medieval Art
- ART 310 Late Antique and Early Christian Art
- ART 311 Medieval Byzantine Art, 600-1453
- ART 312 Medieval Art in Western Europe, 8<sup>th</sup>-15th Centuries
- ART 322 Seminar in Museum Studies
- CLSC 212 Dining and Drinking in Classical Antiquity
- CLSC 220 Introduction to Archaeology
- CLSC 301 Greek Art and Archaeology
- CLSC 302 Roman Art and Archaeology

- CLSC 321 Archaeology of the Middle East
- CLSC 398 Special Topics, depending on the subject and approval of the minor program coordinator
- GEOG 260 Introduction to Geographic Information Systems
- GEOG 365 Advanced Spatial Analysis

Up to three units of archaeological field school transfer credit and/or study-abroad archaeology courses, with approval of the minor program coordinator may apply to the archaeology minor. Up to two units of archaeologically-focused independent study (CLSC 498), with approval of the minor program coordinator may apply to the archaeology minor. Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

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## Art History

### Department of Art and Art History

*Tanja Softic', Chair*

*Professors Addiss, Softic'*

*Associate Professors Denton, Drummond, Pevny, Rhodes, Sjovold*

*Assistant Professor Calvillo*

*Executive Director of the University Museums Waller*

*Visual Resources Librarian Keefer*

*Professionals from the fields in art are also employed as adjunct faculty members.*

The Department of Art and Art History offers programs in the studio arts, Western and non-Western art history, and museum studies. In the Modlin Center for the Arts, students work in an environment where they can develop their intellectual and creative abilities to the fullest potential. In addition to a rigorous and stimulating curriculum, students also participate in the activities of the University Museums. The museums present exhibitions of both historical and contemporary art with related lectures, workshops, and symposia with visiting artists, critics, and art historians. A study abroad program allows students to study art and art history in approved programs under the direction of the Office of International Education. Because majors are required to develop a senior project, it is recommended that prospective majors consult with

the department early to allow adequate time for planning.

### The Art History Major

**Note:** A grade of not less than C (2.0) is required in each course comprising the major.

10 units, including  
 ART 121 Survey I: Prehistory through the Middle Ages  
 ART 122 Survey II: Renaissance to the Present  
 Four units in Art History electives, one of which must be ART 319 Advanced Seminar  
 Three 300-level courses in Western art history in the following fields  
 ---Late Antique and Medieval art  
 ---Renaissance and Baroque art  
 ---The history of art after 1700  
 One 200 or 300-level non-Western art history course  
 One studio art course  
 ART 365 Art Theories and Methodologies  
 ART 465 Thesis Research Seminar  
 ART 466 Thesis: Research Project

Students propose their thesis topics in the spring of their junior year, completing their thesis research and preliminary research writings in ART 465 and the final text of their thesis and associated oral presentation in ART 466.

Majors should take ART 121-122 before enrolling in 300-level art history courses. Independent studies cannot be substituted for required courses in the art history major.

In addition to the above, the following are strongly recommended to supplement the major:

ART 388 Individual Internship  
 CLSC 220 Introduction to Archaeology  
 CLSC 301 Greek Art and Archeology  
 CLSC 302 Roman Art and Archeology  
 CLSC 321 Archaeology of the Middle East  
 PHIL 281 Philosophy of Art  
 RELG 251 Sacred Arts of India

Note: These courses cannot be substituted for major requirements, which must be fulfilled through art history department offerings.

### Honors Program in Art History

Majors are encouraged to apply for and pursue the honors program in art history. To earn honors in art history, a student must complete at least 3.5 units of honors credit with distinction through a combination of upper-level courses including ART 365 and ART 466; the program must be planned in consultation with the student's major advisor and the department. Honors students also must maintain an overall GPA of no less than 3.30 and a 3.50 in the major, and receive a 3.70 on the thesis.

### The Art History Minor

**Note:** A grade of not less than C (2.0) is required in each course comprising the minor.

6 units, including  
 ART 121 Survey I: Prehistory through the Middle Ages  
 ART 122 Survey II: Renaissance to the Present  
 One studio art course  
 Three art history electives, two of which must be at the 300-level. The electives must cover at least two of the following areas:  
 ---Non-Western Art  
 ---Late Antique and Medieval Art  
 ---Renaissance and Baroque Art  
 ---History of Art after 1700

### Related Fields

- Interdisciplinary concentration in arts management for studio art, art history, music, theatre, and dance majors or minors
- Interdisciplinary concentration in Medieval and Renaissance studies for art history majors

### Courses

#### **ART 121 Survey I: Prehistory through the Middle Ages**

Survey of Western art, with some attention given to non-Western art, from prehistoric times through the Middle Ages. Intended as introductory course for general student as well as art majors and minors. 121 and 122 may be taken independently and in any sequence.

**Unit(s):** 1

#### **ART 122 Survey II: Renaissance to the Present**

Historical and analytical study of representative major works of art from Renaissance to the present

for general student and art major.

**Unit(s):** 1

#### **ART 226 Art and Culture of Japan**

A chronological introduction to the art and culture of Japan beginning with the prehistoric period, moving through the introduction to Buddhism and varieties of Buddhist art, the influence of China and Korea, the art of the court, the art of samurai, the art of townsmen (such as Japanese prints), and finally a look at contemporary trends in Japanese culture. Social and historical elements will be integrated with specific studies of visual arts, and literature will also be examined in context. Assignments will include creative work.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

#### **ART 279 Selected Topics**

Examples include African art, history of architecture, and other specialized topics. May be repeated for credit if topics differ.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** 1

#### **ART 282 Values in World Film**

Examines sets of films from different parts of the world based on common themes, such as children, comedy, the role of women, crime etc, in order to assess the underlying values that are germane to the different countries and cultures. Also examines how film techniques such as cuts, fades, different kinds of shots, music, sound effects, montage, etc. influence the way values are presented and expressed in films. Finally, putting together the two themes of values and techniques should illuminate many of the important aspects of international film.

**Unit(s):** 1

#### **ART 309 Image and Icon in Medieval Art**

Focuses on role of the panel painted image in Medieval world. Explores the conventions, aesthetics, and ideology of Medieval images, as well as their production, use and restoration. Provides introduction to techniques of medieval panel painting, and asks students to try their hand at the creative process.

**Unit(s):** 1

**ART 310 Late Antique and Early Christian Art**

Surveys artistic developments in the Mediterranean basin from the first to eighth centuries. Concerned with continuities as well as changes and innovations in visual culture associated with the rise of Christianity in the Roman Empire.

**Unit(s):** 1

**ART 311 Medieval Byzantine Art, 600-1453**

Focuses on art and architecture created in the eastern Mediterranean between the seventh century and the fall of Constantinople in 1453. Explores cultural dialogue among the Byzantine Empire and its Western European, Eastern European, and Islamic neighbors.

**Unit(s):** 1

**ART 312 Medieval Art in Western Europe, 8th-15th Centuries**

Surveys the rich and varied production of visual culture in Western Europe from early Middle Ages to beginning of the Renaissance. Considers the changing visual experiences associated with the Early Medieval, Carolingian, Ottonian, Romanesque, and Gothic periods.

**Unit(s):** 1

**ART 313 Art of the United States**

The production of art and architecture in America from the late eighteenth through the nineteenth centuries. It considers city plans, buildings, paintings, sculpture and other objects as works created under specific historical, social, and cultural conditions.

**Unit(s):** 1

**ART 314 Northern Renaissance Art**

Fifteenth- and 16th-century Northern Renaissance art from Van Eyck to Bruegel.

**Unit(s):** 1

**ART 315 Art of the Italian Renaissance**

A survey of Italian painting, sculpture, and architecture between 1250 and 1500, with emphasis on the historical context of particular objects or monuments. Students will examine primary sources whenever possible and consider issues related to the systems of patronage, spirituality, intellectual life, and art criticism of the period.

**Unit(s):** 1

**ART 316 Art in the Age of Reform**

Beginning with the Italian High Renaissance and ending with baroque art in early 17th-century Europe, this course considers artistic production during a period of religious, political, and cultural crisis. Lectures, readings, and discussions evaluate the agents, ideas, and circumstances that brought about the stylistic developments of mannerist and early baroque art.

**Unit(s):** 1

**ART 317 Nineteenth-Century Art**

Overview of the major artistic developments of the period, yet allows for closer study of particular issues. For example, how does a work of art become politically charged? How does a landscape painting become a religious painting? Why are the most famous artists male?

**Unit(s):** 1

**ART 318 Twentieth-Century Art**

Major movements and developments of modern art in Europe and America. Examination of theoretical bases of modern art, concepts of avant-garde, and consideration of public's relationship to modern art.

**Unit(s):** 1

**ART 319 Advanced Seminar**

Highly focused in-depth studies on topics of art history related to departmental course offerings. Topics to be chosen by instructor. Representative topics: Zen art, Surrealism, the Court Arts in early modern Europe. May be repeated for credit if topic differs.

**Prerequisite(s):** 300-level art history course in the area of the seminar or permission of instructor.

**Unit(s):** 1

**ART 322 Museum Studies**

History, philosophy, functions, and future of museums; collection research, evaluation, publications, and museum procedures and education.

**Prerequisite(s):** 200-level art history course or permission of instructor.

**Unit(s):** 1

**ART 323 Studies in the History of Photography**

Combines a chronological survey of the developments in photography since its invention in 1839 with an examination of issues dealing with how

photography has informed modern attitudes and perspectives. It carefully considers certain claims made on behalf of photography, such as its objectivity, truthfulness, and ability to be an agent of social change.

**Unit(s):** 1

**ART 324 Art Histories**

Courses in areas of art history at a 300-level not covered in regular departmental offerings. May be repeated for credit if topic differs.

**Unit(s):** 1

**ART 345 Philanthropy in the Arts**

(See Music 345; same as Theatre 345.)

**Prerequisite(s):** Art History 322 or permission of the instructor.

**Unit(s):** 1

**ART 365 Art Theories and Methodologies**

Study of theoretical approaches and methods used in discipline of art history. Required for art history majors, recommended before the senior year.

**Prerequisite(s):** Permission of instructor required for non-art history majors.

**Unit(s):** 1

**ART 378 Topics in Asian Art**

In depth examination of a single topic in the arts of Asia. Possible themes include Japanese prints, ceramics and the tea ceremony, Chinese literati art, the relationship of calligraphy to painting, narrative art, Buddhist art, etc. May be repeated for credit if the topic differs.

**Unit(s):** 1

**ART 383 East Asian Painting, Poetry and Calligraphy**

In East Asian painting, poetry and calligraphy are often referred to as the "three jewels" for the high respect that they are given, and the way that they interact. A poet, using brush and ink on paper, may add a design to his words, and in that moment the three arts become one. Students will have the opportunity to try their own hand at these arts, so historical study will be balanced by creative work.

**Unit(s):** 1

**ART 388 Individual Internship**

Supervised work experience at approved museum, gallery or other art institutions. May be repeated for credit at a different institution. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .25-1

**ART 395 Independent Study**

Individually designed program under faculty supervision. Independent studies cannot be substituted for required courses in the art history major.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .25-1

**ART 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**ART 465 Thesis Research Seminar**

The first half of a one-year capstone experience for the senior major in art history. Serves to strengthen those research and critical thinking skills introduced in First Year Seminars and further developed upper-level seminars in art history. Assignments center on identifying, evaluating and presenting primary and secondary sources for the senior thesis proposed during the preceeding spring term. Completion of thesis research, production of annotated bibliography and beginning of thesis draft for the spring semester seminar, ART 466.

**Prerequisite(s):** Art History 365

**Unit(s):** 1

**ART 466 Thesis: Research Project**



Required for art history majors in their senior year.

**Prerequisite(s):** Art History 365.

**Unit(s):** 1

## Studio Art

### Department of Art and Art History

*Tanja Softic, Chair*

*Professors Addiss, Softic*

*Associate Professors Denton, Pevny, Rhodes, Sjovold*

*Assistant Professors Calvillo, Drummond*

*Executive Director of the University Museums Waller*

*Visual Resources Librarian Keefer*

*Professionals from the fields in art also are employed as adjunct faculty members.*

The Department of Art and Art History offers programs in the studio arts, Western and non-Western art history, and museum studies. In the Modlin Center for the Arts, students work in an environment where they can develop their intellectual and creative abilities to the fullest potential. In addition to a rigorous and stimulating curriculum, students also participate in the activities of the University Museums. The museums present exhibitions of both historical and contemporary art with related lectures, workshops, and symposia with visiting artists, critics, and art historians. A study abroad program allows students to study art and art history in approved programs under the direction of the Office of International Education. In Studio Art, our integrated, rigorous art foundation program offers students broad exposure to methods and principles of visual design and allows for further studio education that is tailored to individual student's interests and goals. Hands-on, creative studio projects are at the core of our classes, supplemented by individual research, gallery and museum visits, critiques and visual presentations. Because majors are required to develop a senior project, it is recommended that prospective majors consult with the department early to allow adequate time for planning.

### The Studio Art Major

**Note:** A grade of not less than C (2.0) is required in each course comprising the major.

11 units, including

- ARTS 105 Foundation Color and Composition
- ARTS 106 Foundation Space and Time
- ART 121 Survey I: Prehistory through the Middle Ages
- ART 122 Survey II: Renaissance to the Present
- Four studio art electives (at least two must be 250-level or above)
- One art history/ humanities elective (in consultation with Studio Art advisor, another appropriate humanities course may be substituted for Art History Elective)
- ARTS 360 Advanced Studio Seminar
- ARTS 465 Thesis Development

### Honors Program in Studio Art

Majors are encouraged to apply for and pursue the honors program in studio art. To earn honors in studio art a student must complete three units of honors credit with distinction through a combination of upper-level courses with thesis development and honors thesis exhibition. The program must be planned in consultation with the student's major advisor and the department. Honors students also must maintain an overall GPA of no less than 3.30 while in the program.

### The Studio Art Minor

**Note:** A grade of not less than C (2.0) is required in each course comprising the minor.

6 units, including

- ARTS 105 Foundation Color and Composition
- ARTS 106 Foundation Space and Time
- One unit, chosen from
  - ART 121 Survey I: Prehistory through the Middle Ages
  - ART 122 Survey II: Renaissance to the Present
- Three studio art electives

### Related Field

Interdisciplinary concentration in arts management for studio art, art history, music, theatre, and dance majors or minors.

### Courses

#### **ARTS 105 Foundation Color and Composition**

Provides students with a basic understanding of drawing skills, elements and principles of two-dimensional design, color theory, and pictorial composition. Explores the relationship of visual form and content through drawing, collage and color projects.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**ARTS 106 Foundation Space and Time: Sculpture and Video**

Provides students with a basic understanding of both time-based and space-based media. Training in basic skills of spatial perception and manipulation, as well as in the rudiments of time-based media, including video, sound, and animation. Exploration of sculpture, installation, time-based media and interactive art.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**ARTS 201 Drawing**

Explores materials, methods and concepts in drawing, with emphasis on observational drawing skills. Studio work will be supplemented by other activities, such as critiques, lectures and exhibition visits.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**ARTS 202 Design**

Explores basic elements and principles of two-dimensional design and color theory through exercises in drawing, collage, painting, and digital imaging. Studio work will be supplemented by other activities, such as critiques, lectures, and exhibition visits.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**ARTS 203 3-D Design**

Basic introduction to working creatively in three-dimensional media, methods, and materials. Exploration of the relationship between composition and content, and learn strategies for idea development, experimentation and execution. Development of reality-based problem solving skills.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**ARTS 204 Darkroom Photography**

Introduction to fundamental, technical, and aesthetic issues of black and white photography with emphasis on using medium for personal expression. Includes series of problems designed to increase understanding of basic camera operation, darkroom techniques, and artmaking strategies. Explore different styles of photography through lectures, slides, critiques, and assignments. History of photography will be included through study of past and contemporary photography. Camera with manually adjustable aperture and shutter speeds required.

**Prerequisite(s):** ARTS 105 or 106

**Unit(s):** 1

**ARTS 205 Observational Painting**

Introduction to the practice of painting with emphasis on observational skills. Emphasizes working understanding of methods and materials of oil painting while investigating basic aspects of visual perception and how to assess subject, form, and content in a work of art.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**ARTS 206 Explorations in Printmaking and Drawing**

Explores formal and conceptual problems through simultaneous or combined drawing and printmaking exercises. Develops understanding of potential of graphic media, introduces new image-making techniques and concepts, including scale and sequence experiments and multi-technique works.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**ARTS 207 The Human Figure**

Advances understanding and skill in drawing the human figure with emphasis on interpreting skeleton and large muscle masses. Students draw from nude and clothed male and female models using a variety of drawing media such as graphite, charcoal, ink, and color pastels.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**ARTS 220 Drawing From Nature**

Develops skills in drawing directly from natural objects, live plants and animals. The course will examine how fine artists, botanists, and scientists utilize forms taken from natural flora and fauna in their work, introducing a variety of media, including ink, watercolor, and graphite. Consists of studio work supplemented with museum and library research on history and contemporary practice of naturalist drawing, as well as lectures, class critiques and discussions. Field trips will include studying the collections of minerals, shells, and natural objects at the University Museums' Lora Robins Gallery of Design from Nature.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**ARTS 225 Screenprint**

An introduction to the medium of serigraphy (screenprint, silkscreen). Topics include working with handmade and photographic stencils, color and registration, editioning, and extended uses of the medium. Students will work with hand-drawn, photographic, and digital images.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**ARTS 230 Comparative Ceramics**

Investigates the development of ceramic techniques and aesthetic traditions by studying the effects that can be discerned in the influence of one tradition over another. Most peoples in the history of humankind have produced some sort of ceramic artifacts, making this a very universal language. As peoples made increasing contact with one another, elements of these traditions were constantly being appropriated and transformed.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**ARTS 265 Digital Photography**

Introduction to the field of digital photography and digital imaging within the context of contemporary art. Students will produce original works of art while studying the impact of technology upon human perception, visual art, and contemporary culture. Emphasis will be placed upon the ways in which

digital technologies have transformed our understanding of traditional photographic media.

**Prerequisite(s):** Studio Art 104, 105 or 106.

**Unit(s):** 1

**ARTS 275 Drawing Studio**

Explores advanced concepts in drawing, such as abstract, conceptual, and process-based drawing. May be repeated for credit.

**Prerequisite(s):** Studio Art 105, 201, 202, 205, 206, or 207 or permission of instructor.

**Unit(s):** 1

**ARTS 276 Artist Book**

Introduces basic skills of bookbinding (Western and non-Western), printing, and typesetting skills through work on individual and collaborative studio projects. Explores concepts such as sequencing, text and image, and content and structure relationships. Students research evolution of the artists' book and contemporary practice in this medium.

**Prerequisite(s):** Studio Art 201, 202, 206, or 208.

**Unit(s):** 1

**ARTS 279 Selected Topics**

Examples of past courses include: printmaking and cross-cultural communication, figure and narrative, and comic books and zines. May be repeated for credit if topics differ.

**Prerequisite(s):** Art 121 or 122 or permission of instructor.

**Unit(s):** 1

**ARTS 288 Sound, Video, and Animation**

Intermediate level investigation into the area of time-based media, including sound, video, and animation art. Students produce original works that use time as a perceptual tool while studying broader issues surrounding technology-based art and culture. May emphasize nontraditional and/or experimental approaches toward art production.

**Prerequisite(s):** Studio Art 106.

**Unit(s):** 1

**ARTS 289 Interactive Art**

Intermediate level investigation of interactive art, including performance, site-specific and Web-based art. Students produce original works that foreground interactivity while studying broader issues surrounding technology, art and culture. May emphasize nontraditional and/or experimental approaches toward art production.

**Prerequisite(s):** Studio Art 104 or 106.

**Unit(s):** 1

### **ARTS 291 Printmaking Studio**

Studio-intensive exploration of advanced media and concepts in printmaking. Depending on instructor's expertise and student need and interest, etching, engraving, photoetching, woodcut, lithography, monotype or screenprint may be taught and used in the class. Assignments may include individual or group portfolio development, installation or collaborative projects.

**Prerequisite(s):** ARTS 105, 201, 202, 206, 207 or 225.

**Unit(s):** 1

### **ARTS 292 Photography Studio**

An advanced-level course on photography within the context of contemporary art. Areas of focus include black and white archival fiber-base printing processes, experimentation with different films, filters, papers, developers, presentation techniques, and digital production and post-production. May be repeated for credit.

**Prerequisite(s):** Studio Art 204 and permission of instructor.

**Unit(s):** 1

### **ARTS 293 Sculpture Studio**

Individualized in-depth training in specific sculptural approaches, techniques, media, and concepts. Students choose to work from stone carving, wood carving, wood fabrication, metal fabrication, claywork, plaster carving and fabrication, metal and plaster casting, and mixed media objects and installation. May be repeated for credit.

**Prerequisite(s):** Studio Art 106, 203, or 230.

**Unit(s):** 1

### **ARTS 295 Painting Studio**

Explores advanced concepts in painting, such as abstract, conceptual, and process-based painting. Students investigate historical and experimental methods of paintings not covered in Observational Painting (ARTS 205). May be repeated for credit.

**Prerequisite(s):** Studio Art 105, 201, 202, 204, 205 or 206 or permission of instructor.

**Unit(s):** 1

### **ARTS 297 Figure Painting**

Advances the student's skill in painting and understanding in interpreting the human figure as a subject. Begins with an introduction to traditional academic methods for representing the figure before exploring a series of individualized approaches to the figure. Historical and contemporary contexts for understanding the human figure will be covered.

**Prerequisite(s):** Studio Art 105, 201, 202, 204, 205, or 206.

**Unit(s):** 1

### **ARTS 351 Contemporary Theory and Practice for Artists**

Introduction to international contemporary art, theory and criticism. Major trends in contemporary art will be studied in relation to formalist theory, structuralism, poststructuralism, Marxist theory, feminist theory, and postcolonial theory.

**Prerequisite(s):** Studio Art 105, 106, and Art History 121 or 122

**Unit(s):** 1

### **ARTS 360 Advanced Studio Seminar**

Development of an independent artistic practice as informed by a larger theoretical and cultural discourse. Students may work in any medium (or media) of their choice and will be responsible for independent research beyond required readings, presentations, and seminar discussions. May be repeated for credit upon departmental approval.

**Prerequisite(s):** Departmental approval.

**Unit(s):** 1

### **ARTS 388 Individual Internship**

Supervised work experience at approved artist's studio, museum, or gallery. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required

degree units.

**Prerequisite(s):** Departmental approval.

**Unit(s):** .25-1

### **ARTS 395 Independent Study**

Individually designed program under faculty supervision. Independent studies cannot be substituted for required courses in the Studio Art major.

**Prerequisite(s):** Departmental approval.

**Unit(s):** .25-1

### **ARTS 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

### **ARTS 465 Thesis Development**

Senior studio art majors create focused body of work and begin to clarify and establish future directions and resources for personal research and artmaking. Students prepare for midterm application for the Senior Thesis Exhibition course for a spring exhibition.

**Prerequisite(s):** Studio art major, senior level, and Art 121 or 122.

**Unit(s):** 1

### **ARTS 466 Senior Thesis Exhibition**

Graduating studio art majors are invited, based on a successful review during the Thesis Development course, to enroll in the honors thesis to organize and present an exhibition of their art in the University Art Museums and in the community. Students complete a focused body of work for exhibitions and participate in all aspects of their organization. The course also will cover the business of being an artist, including writing about and presenting one's art, resume writing, exhibiting, and selling of work.

**Prerequisite(s):** Studio Art 465 and permission of the department.

**Unit(s):** 1

## **Biochemistry and Molecular Biology**

*Jonathan Dattelbaum, Co-Coordinator (Chemistry)*  
*Krista Stenger, Co-Coordinator (Biology)*

The biochemistry and molecular biology program is an interdisciplinary program based in the biology and chemistry departments, and is jointly administered by a coordinating committee consisting of several faculty from each department. The program is designed to offer a flexible route to either the B.A. or B.S. degree and actively encourages student participation in research, which may be conducted with faculty in either department. The flexibility of the program lends itself to combination with study abroad and outreach opportunities. The major is designed to prepare students for future study in any area of the biological sciences, the health professions, or for employment in the biotechnology industry.

### **The Biochemistry and Molecular Biology Major**

**Note:** A grade of C- (1.7) or better is required in each chemistry and biology course applied toward the major.

#### **For the Bachelor of Arts degree**

14 units, including  
 BIOL 199 Introduction to Biological Thinking  
 BIOL 201 Genetics  
 BIOL 205 Cell Biology  
 CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis  
 CHEM 205-206 Organic Chemistry  
 CHEM 309 Physical Chemistry  
 CHEM 314 Physical Chemistry Laboratory I  
 CHEM 322 Junior Seminar or BIOL 387 Biology Seminar  
 CHEM 327 Biochemistry with Laboratory  
 CHEM 329 Protein Structure, Function and Biophysics  
 One course, chosen from  
 BIOL 307 Advanced Cell and Molecular Biology  
 BIOL 313 Bacterial Pathogenesis  
 BIOL 314 Molecular Genetics  
 BIOL 324 Molecular Virology



BIOL 340 Introduction to Immunology  
 BIOL 343 Neurobiology  
 BIOL 345 Cellular Neurophysiology  
 BIOL 352 Evolutionary Developmental  
 Biology  
 BIOL 354 Biological Basis of  
 Neurodegenerative Diseases with  
 Laboratory

Two senior seminars, to include the presentation of a research topic, chosen from

CHEM 421 Senior Seminar  
 CHEM 422 Senior Seminar  
 BIOL 391 Honors Seminar I  
 BIOL 392 Honors Seminar II

MATH 212 or 232 Calculus II

PHYS 127 or 131 General Physics I

One unit in physics, chosen from

PHYS 132 General Physics II  
 PHYS 133 Atomic and Sub-Atomic Physics  
 PHYS 134 Biological Physics

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

### For the Bachelor of Science degree

The above courses plus one additional approved upper level biology or chemistry elective and at least one unit of research in biology or chemistry or an approved experience that culminates in a written report or poster presentation to give a total of 16 units.

### For either of the above degrees

Additional upper-level elective courses in chemistry and biology are highly recommended. Students wishing to double major in biochemistry and molecular biology and either chemistry or biology are required to use upper-level electives for only one degree program or the other. Similarly, upper-level electives cannot be counted for both a major and a minor in either department.

### Honors Program

Students are invited to participate in the biochemistry and molecular biology honors program by the program co-coordinators. A student graduating with an honors degree in biochemistry and molecular biology must complete two units of preapproved upper-level elective work in chemistry, biology, or

courses approved by the BCMB committee. The student also must fulfill the following research requirements:

- A research proposal to the student's research advisor
- 1.5-2 units of independent research
- A written thesis upon completion of their research that is approved by at least two BCMB program committee members or their designees (one of which must be a BCMB program committee member)
- An oral defense of the thesis

Additionally, students must have a GPA of 3.30 or better in 200-level and above courses towards the major and 3.30 or better overall. The total number of units for honors course work (including formal courses and research) is three.

## Biology

### Department of Biology

*Malcolm Hill, Chair*

*Professors de Sá, Hayden*

*Associate Professors Boland, A. Hill, M. Hill, Kingsley, Radice, Runyen-Janecky, Smallwood, Stenger, Warrick*

*Assistant Professors Brinkerhoff, Telang, Treonis, C. Wu, E. Wu*

*Directors of Biology Laboratories Boone, Lessem, Reiner, Zoghby*

*Director of Biological Imaging Marks*

*Director of Pre-Health Education Vaughan*

*Manager of Biology Laboratories O'Donnell*

*Stockroom Manager Joseph*

### The Biology Major

**Note:** The grade point average of the coursework in biology and chemistry must be no less than 2.00 with no course grade below C- (1.7).

### For the Bachelor of Science Degree

15 units, including

BIOL 199 Introduction to Biological Thinking or  
 BIOL 190 Integrated Science/Math/Computer  
 Science 1 with Laboratory

Conceptual Area 1: Genetics, Cellular and Molecular Biology, one unit chosen from

- BIOL 201 Genetics
- BIOL 205 Cell Biology

Conceptual Area 2: Evolution, Diversity and Ecology, one unit chosen from

- BIOL 207 Ecology
- BIOL 225 Evolution

Conceptual Area 3: Organismal Biology, one unit chosen from

- BIOL 216 Botany
- BIOL 217 Integrative Physiology
- BIOL 229 Microbiology

Five additional units in biology, including at least four approved courses at the 300 level and four with a lab

MATH 212 Calculus II or MATH 232 Scientific Calculus II

CHEM 141 Introductory Chemistry or CHEM 191 Integrated Science/Math/Computer Science 3 with Laboratory

CHEM 205 Organic Chemistry I

CHEM 206 Organic Chemistry II

Quantitative-physical science, two units chosen from:

- BUAD 301 Statistics for Business and Economics II
- CMSC 150 Introduction to Computing
- CMSC 155 Introduction to Scientific Computing
- CMSC 221 Data Structures with Lab
- CMSC 222 Discrete Structures for Computing with Lab
- MATH 119 Statistics for Social and Life Sciences
- MATH 219 Introduction to the Design of Experiments
- MATH 330 Mathematical Statistics
- PHYS 127 General Physics 1 or PHYS 131 General Physics with Calculus I
- PHYS 128 General Physics 2 or PHYS 132 General Physics with Calculus II or
- PHYS 133 Atomic and Sub-Atomic Physics or PHYS 134 Biological Physics
- PSYC 200 Methods and Analyses
- Or completion of the Integrated Quantitative Science sequence

Students are expected to fulfill all prerequisites necessary for courses within the major/minor. Prerequisites do not count toward the major/minor unless otherwise noted.

### For the Bachelor of Arts Degree

12 units, including

BIOL 199 Introduction to Biological Thinking or BIOL 190 Integrated Science/Math/Computer Science 1 with Laboratory

Conceptual Area 1: Genetics, Cellular and Molecular Biology, one unit chosen from

- BIOL 201 Genetics
- BIOL 205 Cell Biology

Conceptual Area 2: Evolution, Diversity and Ecology, one unit chosen from

- BIOL 207 Ecology
- BIOL 225 Evolution

Conceptual Area 3: Organismal Biology, one unit chosen from

- BIOL 216 Botany
- BIOL 217 Integrative Physiology
- BIOL 229 Microbiology

Five additional units in biology, including at least four approved courses at the 300 level and four with a lab

CHEM 141 Introductory Chemistry

CHEM 205 Organic Chemistry I

CHEM 206 Organic Chemistry II

### The Biology Minor

6 units, including

BIOL 199 Introduction to Biological Thinking or BIOL 190 Integrated Science/Math/Computer Science 1 with Laboratory

Conceptual Area 1: Genetics, Cellular and Molecular Biology, one unit chosen from

- BIOL 201 Genetics
- BIOL 205 Cell Biology

Conceptual Area 2: Evolution, Diversity and Ecology, one unit chosen from

- BIOL 207 Ecology
- BIOL 225 Evolution

Conceptual Area 3: Organismal Biology, one unit chosen from

- BIOL 216 Botany
- BIOL 217 Integrative Physiology
- BIOL 229 Microbiology

One additional unit with lab in biology, selected from approved 300-level courses

CHEM 141 Introductory Chemistry or CHEM 191 Integrated Science/Math/Computer Science 3 with Laboratory

### Approved Courses for the Biology Major and Minor

All 200- and 300-level courses may be used to meet major or minor requirements with the following exceptions: 260, 350, 370, 371, 387, 388, 389, 391, 392, and 395.

## Honors Program

Students invited into the honors program may earn honors in biology by completing the following requirements:

1. a minimum GPA of 3.30 in biology and overall;
2. two units BIOL 395 Honors Research (taken for two semesters at 1 unit per semester);
3. one unit of biology in addition to those already required for the major. A grade of B or above in this course would allow it to count towards the honors degree;
4. BIOL 391 Honors Seminar;
5. BIOL 392 Honors Seminar II; and
6. honors thesis written under the supervision of a research advisor and presented to the department in an oral presentation.

## Related Fields

Biochemistry and molecular biology program  
Interdisciplinary concentration in neuroscience for biology or psychology majors  
Environmental Studies

## Marine and Ecosystem Studies

Opportunities are available to study marine biology or marine and other ecosystems through cooperative agreements with the Duke University Marine Sciences Laboratory (DUML), Beaufort, N.C., and the Marine Biological Laboratory, Woods Hole, Mass., Semester in Environmental Science (MBL-SES). Work taken in the program may be included in the student's University of Richmond curriculum only with the prior approval and under the direction of the Department of Biology. Students interested in this option are encouraged to apply to the department for further information.

## Courses

### **BIOL 100 Biology of Plants**

Holistic overview of plant biology including elements of cell biology, biochemistry, biodiversity, morphology, growth and development, physiology, and ecology. Emphasizes direct interaction with live plants in the laboratory, field, and greenhouse integrated with understanding of cellular structures and processes and practice of scientific method. Will not serve as basis for further work in science nor meet entrance requirements for any health profession.

Three lecture and three laboratory hours per week.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

### **BIOL 101 Principles of Evolution**

Examines fundamentals of the theory of evolution as an example of how science works and progresses. Consists of three modules. The first module will focus on importance of genetic variation and principles of the evolutionary theory; the second will focus on illustrating how evolutionary theory and evolutionary tree serve as guides in biological research; and the third will focus on principles of human evolution. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and three laboratory hours per week.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

### **BIOL 102 Exploring Human Biology**

Examination of human biology from perspective of cellular processes, genetics, structure and function of organ systems, and evolution. Application of the scientific method in the laboratory. Will not serve as basis of further work in science nor meet entrance requirements for any health profession. Three lecture and three laboratory hours per week.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

### **BIOL 103 Biology in Popular Culture**

Current topics in contemporary biology will be used to introduce students to genetic engineering, stem cells, and the evolution of antibiotic resistance in bacteria. These issues and the impact of this technology will be explored examining their various roles in the medical community and popular culture. Laboratory investigations will emphasize the scientific method allowing for student hypothesis-driven experimentation. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and three laboratory hours per week.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

### **BIOL 104 Biology of Human Development**

Focuses on early embryonic development, including fertilization, stem cell formation, organ development, and sex determination. Emphasis on understanding biological principles and social implications of manipulating human development. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and three laboratory hours per week.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

**BIOL 106 Microbiology: Unseen Life**

Introduction to basic concepts needed to understand microorganisms and their impact on our world. Questions addressed include: What is microbial diversity? How do microbes grow? How can we control microbial growth? How can we harness the power of microbial genetics? How do microbes help in food production? What roles do microbes play in the biosphere? How do microbes interact with the human body? Laboratory investigations will utilize the scientific method to allow students to gain insight as to how scientific experiments are performed. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and three laboratory hours per week.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

**BIOL 107 Human Genetics**

Introduction to basic concepts in human genetics and how advances in the field impact health care, biotechnology, public policy, and the law. Topics such as the Human Genome Project, gene therapy, and prenatal testing for genetic disorders will be discussed. Students will gain working knowledge of how scientists think and how they approach research problems. Designed for students with little or no background in biology, chemistry, and mathematics. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and three laboratory hours per week.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

**BIOL 108 Environmental Biology**

Basic ecological principles and selected topics in environmental science, including worldwide impact of growing human population, patterns of energy consumption, and issues of water quality, water

management, land use, and biological resources. Application of the scientific method will be incorporated in laboratory component. Will not serve as basis of further work in science nor meet entrance requirements for any health profession. Three lecture and three laboratory hours per week.

**Prerequisite(s):** High school biology.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

**BIOL 109 Introduction to Ecology**

Introduction to causes and consequences of ecological patterns at all scales: individuals, species, communities, and ecosystems. Terrestrial, aquatic, and marine systems are studied, as well as theories and the mathematical and graphical models used to understand them. Some labs require work outside. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and three laboratory hours per week.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

**BIOL 110 Emerging Infectious Diseases**

Examination of microbes responsible for emerging infectious diseases (and perspective of diseases with significant impact on history) will be used to introduce biological principles evaluating the structure/function of these microbes as well as discussing the role of genetics. The impact of these events as well as the public policy response will be explored. Examples of microbes to be studied include HIV, Ebola, Escherichai coli, Treponema palladium, and Staphylococcus aureus. The scientific method of investigations will be an integral part of the laboratory. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and three laboratory hours per week.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

**BIOL 111 Marine Biology of the Chesapeake Bay**

Introduction to the ecology and biological diversity of the Chesapeake Bay and its watershed. Environmental issues facing the bay will be explored through direct data collection, observation, and hands-on activities. This is a service-learning course and students will join local 5th-grade classrooms to

help teach elementary students about the bay. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and three laboratory hours per week.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

**BIOL 118 Introduction to Biotechnology**

Biotechnology is the harnessing of biological processes for commercial purposes. We interact with biotechnology products every day, yet many people do not understand what biotechnology is, what it can and cannot do, and why the ethical use of biotechnology is important. Includes topics such as recombinant DNA technology, fermentation, protein engineering, biosensors, and natural products. Students will learn about biotechnology companies, how they work, and the implications of biotechnology in everyday life. Will not serve as basis for further work in science nor meet entrance requirements for any health profession. Three lecture and three laboratory hours per week.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

**BIOL 155 Topics in Contemporary Biology:**

**Summer Scholars**

Special topics. Available to high-school students in Summer Scholars program only.

**Prerequisite(s):** Participation in Summer Scholars program.

**Unit(s):** 1

**BIOL 190 Integrated Science/Math/Computer Science 1 with Laboratory**

One of two courses taught fall semester as part of Integrated Quantitative Science program. Will integrate topics from Biology, Chemistry, Physics, Math and Computer Science and will include instructors from all five disciplines. Each semester of the course will be organized around a guiding principle that integrates several concepts. Along with co-requisite, will include ten hours for lecture and lab combination.

**Prerequisite(s):** High school calculus. Co-requisite: Math 190. Acceptance to Intergrated Quantitative Science course.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

**BIOL 199 Introduction to Biological Thinking**

An introduction to how biologists pose questions, design experiments, analyze data, evaluate evidence, and communicate scientific information. Individual sections will have different topics and formats, but all sections will involve intensive student-directed investigation and include a laboratory component. Required for prospective biology majors. Three lecture and three laboratory hours per week.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

**BIOL 201 Genetics**

Introductory course addressing theory and use of genetics in the biological sciences. Topics include 1) gene organization and transmission through generations, including Mendelian inheritance, linkage, and mapping; 2) gene function at the molecular level, including physical nature of DNA, transcription, translation, and regulation of gene expression; and 3) genetic analysis of biological processes such as development. Emphasis is on modern genetic techniques and applications. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 199 or permission of instructor, and Chemistry 141. Chemistry 141 may be taken concurrently.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

**BIOL 205 Cell Biology**

Introductory course addressing cell structure and function at the molecular level. Major topics include 1) the chemical composition of cells, including the structure and function of proteins, carbohydrates, and lipids; 2) the organization of cells, including organelles and their functions; 3) cellular metabolism, including respiration, fermentation, and photosynthesis; 4) cell-cell interactions and communication, including signaling in nerve and muscle; 5) mitosis, the cell cycle, and cell death. Emphasis on modern cellular and molecular techniques and applications. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 199 or permission of instructor, and Chemistry 141. Chemistry 141 may be taken concurrently.



**Unit(s):** 1

**BIOL 207 Ecology**

Examines forces that shape the patterns of species interactions, abundance and distribution. Three lecture and three laboratory hours a week plus overnight field trips.

**Prerequisite(s):** Biology 199 and Environmental Studies 201 or Chemistry 141. Chemistry 141 may be taken concurrently.

**Unit(s):** 1

**BIOL 216 Botany**

Diversity, structure, growth, physiology, and reproduction of photosynthetic organisms. Three lecture and three laboratory hours a week.

**Prerequisite(s):** Biology 199 or permission of instructor, and Chemistry 141. Chemistry 141 may be taken concurrently.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

**BIOL 217 Integrative Physiology**

Examines the integration of physiological processes in plants and animals, from the level of the genes, cells, organs, systems, whole organisms, and environment. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 199 or permission of instructor, and Chemistry 141. Chemistry 141 may be taken concurrently.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

**BIOL 225 Evolution**

Introduction to biological evolution, including history of field and mechanisms of evolution that result in biological diversification, speciation, extinction, and the fossil record. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 199 or permission of instructor, and Chemistry 141. Chemistry 141 may be taken concurrently.

**Unit(s):** 1

**BIOL 229 Microbiology**

Microorganisms are everywhere and an integral part of our world. This course introduces a broad range of topics in the field, including microbial cell structure and function, microbial growth and nutrition, unique aspects of microbial metabolism, viruses, microbial ecology, and microbial pathogenesis. The contributions of microbes to the world, both positive and negative, will be highlighted throughout the course. Laboratory investigations will allow students to explore microbiological-based questions. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 199 or permission of instructor, and Chemistry 141. Chemistry 141 may be taken concurrently.

**Unit(s):** 1

**BIOL 250 Earth Systems and Physical Geography**

(See Geography 250; same as Environmental Studies 250.)

**General Education Requirement:** (FSNB)

**Unit(s):** 1

**BIOL 260 Introduction to Geographic Information Systems**

(See Geography 260; same as Environmental Studies 260.)

**Unit(s):** 1

**BIOL 303 Plant Morphology**

Structure, life histories, and phylogeny of major divisions of algae, fungi, and terrestrial plants. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 201, 205, 207, 216, 217, 225, or 229 or permission of instructor.

**Unit(s):** 1

**BIOL 305 Plant Anatomy**

Microscopic structure of vascular plants with emphasis on function, development, and evolution. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 201, 205, 207, 216, 217, 225, or 229 or permission of instructor.

**Unit(s):** 1

**BIOL 306 Systematic Botany**

Identification and classification of vascular plants; emphasis on local flora, principles of systematics. Two lecture and four laboratory hours per week.

**Prerequisite(s):** Biology 201, 205, 207, 216, 217, 225, or 229 or permission of instructor.

**Unit(s):** 1

**BIOL 307 Advanced Cell and Molecular Biology**

Analysis of molecular mechanisms by which cells interact with each other and the environment. Topics include signal transduction, cell cycle regulation, and molecular models of cancer and microbial pathogenesis. Three lecture hours per week.

**Prerequisite(s):** Biology 205.

**Unit(s):** 1

**BIOL 308 Comparative Vertebrate Anatomy**

Comparative anatomy and biology of several systems of organs of representative vertebrates in an evolutionary context. Two lecture and four laboratory hours per week.

**Prerequisite(s):** Biology 199.

**Unit(s):** 1

**BIOL 309 Invertebrate Zoology**

Comprehensive study of systematics, morphology, physiology, development, behavior, and ecology of invertebrates, the most abundant animals on the planet. Three lecture and three laboratory hours per week plus field trips.

**Prerequisite(s):** Biology 199.

**Unit(s):** 1

**BIOL 311 Microanatomy**

Microscopic structures and functions of vertebrate tissues and organs. Laboratory emphasizes quantitative light and electron microscopy and computer-assisted image analysis. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 205 and 216 or 217.

**Unit(s):** 1

**BIOL 312 Developmental Biology**

Development of animals, concentrating on fertilization and early embryonic development. Emphasizes mechanisms of cell differentiation and

pattern formation. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 201 and 205.

**Unit(s):** 1

**BIOL 313 Microbial Pathogenesis**

Exploration of the general mechanisms used by pathogens to cause disease. Topics include entry into the host, attachment to and invasion of host cells, cell and tissue damage, and microbial elimination/dissemination, as well as the techniques used to study these processes. Students will examine these topics in detail in context of several specific pathogens to more thoroughly appreciate the clinical disease that results from infection. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 205 or 229.

**Unit(s):** 1

**BIOL 314 Molecular Genetics**

Examination of experimental underpinnings of knowledge about gene transmission and function through critical analysis of key papers. Lab projects focus on developing skill in posing problems that can be addressed experimentally. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 201.

**Unit(s):** 1

**BIOL 316 Biological Imaging**

Laboratory based course in the theory and practice of techniques used to study biological structures. Combines instruction in specimen preparation, light and electron microscopy, and digital image analysis. Will be useful to students who plan to do independent research in cell, molecular, or organismal biology.

**Prerequisite(s):** Biology 199 or 190

**Unit(s):** 1

**BIOL 324 Molecular Virology**

Exploration of the molecular biology of viruses. Topics include virus entry, viral gene expression, genome replication, assembly, and exit. Each step of the viral life cycle will be illustrated through examples of well-studied viruses, accompanied by primary literature readings. Laboratory involves development of a virologist skill set and designing and carrying out self-directed experiments.

**Prerequisite(s):** Biology 201 and 205. Biology or Chemistry 326 recommended.

**Unit(s):** 1

**BIOL 325 Molecular Evolution**

Introduction to molecular evolution with focus on genome structure, mutation selection and random genetic drift at molecular level. Evolution by gene duplication, exon shuffling and transposition. Lab focuses on cloning and recombinant DNA techniques. Strong lab component, two lecture and four laboratory hours per week.

**Prerequisite(s):** Biology 199.

**Unit(s):** 1

**BIOL 326 Biochemistry**

(See Chemistry 326.)

**Prerequisite(s):** Chemistry 206.

**Unit(s):** 1

**BIOL 328 Vertebrate Zoology**

Comprehensive survey of vertebrate classes emphasizing phylogenetic theory, natural history, behavior, and ecology. Two lecture and four laboratory hours per week.

**Prerequisite(s):** Biology 199.

**Unit(s):** 1

**BIOL 331 Molecular Ecology**

Examines how molecular genetic techniques are used to study ecological and evolutionary processes in natural populations. Relying heavily on the primary literature, explores methods for evaluating population genetic structure, studying the adaptation of organisms to changing environments, and assessing quantitative predictions from ecological and evolutionary theory. Applied topics covered include molecular identification, hybridization, conservation genetics, transgene escape, the evolution of invasive species, and environmental genomics. The laboratory will emphasize experimental design and training in molecular techniques commonly used in molecular ecology.

**Prerequisite(s):** Biology 207 or 225. Biology 201 recommended.

**Unit(s):** 1

**BIOL 332 Tropical Marine Biology**

Introduction to marine biology and other oceanographic disciplines using tropical marine habitats as specific examples. Three lecture hours per week and laboratory portion composed of field trips and exercises including spring break field experience in Caribbean (extra fee required).

**Prerequisite(s):** Biology 207 or 225.

**Unit(s):** 1

**BIOL 333 Microbial Ecology**

Community dynamics play an important role in organismal interactions. Examines the role of microorganisms in terrestrial, freshwater, and marine habitats, as well as animal-plant systems. The laboratory will emphasize molecular techniques used to study microorganisms in situ and includes independent research project. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 201, 205, 207, 216, 217, 225, or 229.

**Unit(s):** 1

**BIOL 334 Oceanography**

Integrated introduction to biological, geological, chemical, and physical oceanography. Multidisciplinary approach to ocean processes. Three lecture and three laboratory hours per week, plus field trips.

**Prerequisite(s):** Biology 201, 205, 207, 216, 217, 225, or 229

**Unit(s):** 1

**BIOL 338 Comparative Animal Physiology**

Introduction to major characteristics of animal function at level of whole organism and component structures and organ systems. Emphasis on physiological function and processes related to survival in natural environment. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 201 or 205 and 217.

**Unit(s):** 1

**BIOL 339 Physiology of Marine Organisms**

Physiological adaptations, including osmoregulation, respiration, diving physiology, and temperature regulation of organisms to marine environments, such

as estuaries, the open ocean, and deep sea. Three lecture hours per week.

**Prerequisite(s):** Biology 217.

**Unit(s):** 1

**BIOL 340 Introduction to Immunology**

Overview of immunology. Current theories and their explanation of pertinent contemporary issues included. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 205.

**Unit(s):** 1

**BIOL 341 Animal Physiological Ecology**

Introduction to animal physiological adaptation to the natural environment. Emphasis will be on physiological responses of animals to both biotic and abiotic factors and interaction with ecology and population dynamics of species. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 217.

**Unit(s):** 1

**BIOL 343 Neurobiology**

Broad course focusing on study of neurons and neuronal systems. Topics to be explored include the neuron and its mechanisms for the transmission of signals, neuronal organization, sensory perception, integration, behavioral output, development, and basic neurogenetics. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 205 or 217.

**Unit(s):** 1

**BIOL 344 Behavioral Ecology**

Introduction to analysis of behavior of organisms, including humans, by study of how behavior affects survival and reproduction. Behaviors studied include foraging, aggression, cooperation, and reproduction. Verbal, graphical, and mathematical models to describe and predict behavior are studied and tested. Three lecture and three laboratory hours per week; may include overnight field trips.

**Prerequisite(s):** Biology 201, 205, 207, 216, 217, 225, or 229

**Unit(s):** 1

**BIOL 345 Cellular Neurophysiology**

The study of how nerve cells generate electrical excitability and use changes in excitability to communicate information in the nervous system. The basic principles of how ion channels and receptors operate will be studied and applied to their physiological function in nerve cells including networks of nerve cells and nerve-muscle communication. The key principles of channel and receptor function will be determined by students in laboratory exercises using contemporary electrophysiological instrumentation. Advanced topics such as the modulation of channel and receptor function, disease-causing mutations, and the molecular mechanisms of synaptic plasticity will also be studied. The course culminates in student-led investigations of a special topic, designed and completed by research teams. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 205.

**Unit(s):** 1

**BIOL 346 Medical Entomology**

Introduces students to biology of medically important arthropods, life cycles of transmitted pathogens, disease symptoms and epidemiology. Discusses the economic and social impact of these arthropods and strategies for their control; covers unorthodox points of intersection between entomology and medical sciences, including psychiatry, surgery and forensic medicine.

**Prerequisite(s):** Biology 205 and 217.

**Unit(s):** 1

**BIOL 350 Undergraduate Research**

Independent research conducted with faculty supervision. May be repeated eight times for credit.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .5

**BIOL 351 Special Topics**

Special course areas covered when sufficient interest exists. Considers subject matter not covered in other biology courses.

**Prerequisite(s):** Biology 199.

**Unit(s):** .5-1

**BIOL 352 Evolutionary Developmental Biology**

Study of how evolution occurs through inherited changes during the embryonic development of organisms. The genetic basis of animal diversity will be studied by examining conserved molecular, cellular, and developmental processes. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 201.

**Unit(s):** 1

**BIOL 354 Biological Basis of Neurodegenerative Diseases with Laboratory**

Examines the biological mechanisms that underlie human neurodegenerative diseases. Also examines the genetic, molecular, and cellular mechanisms of diseases like Alzheimer, Huntington, and Parkinson diseases by discovering how normal biological processes fail and lead to neuronal death. Also examines the biological basis of potential cures.

**Prerequisite(s):** Biology 201 or 205

**Unit(s):** 1

**BIOL 360 Environmental Remote Sensing**

(See Environmental Studies 360.)

**Unit(s):** 1

**BIOL 370 Women in Science**

Critical analysis of involvement of women in science, including the history of participation of women in science; trends and barriers to full participation in science, including real and perceived differences in the biology of the scientist; objectivity/subjectivity in science; and feminist analyses of science. Continuing dialogue on how science is done and impact that feminist scholarship has had on this dialogue. Class research project will be conducted. Three lecture hours per week.

**Prerequisite(s):** Students must have fulfilled their Fields of Study-Natural Science requirement or have permission from the instructor.

**General Education Requirement:** (FSSA)

**Unit(s):** 1

**BIOL 380 Philosophical Issues in Evolutionary Biology**

Philosophical problems within evolutionary biology and its influence on society. Issues studied include how natural selection works, evolution and human

behaviors, and the influence of evolutionary theory on our ethical and legal codes. Lecture/seminar format, with student presentations and term paper. Three lecture hours per week.

**Prerequisite(s):** Biology 207 or 225.

**Unit(s):** 1

**BIOL 383 Tropical Biology and Conservation**

Introduction to principles of tropical biology and conservation, including historical and economic components. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Biology 199.

**Unit(s):** 1

**BIOL 384 Eukaryotic Genetics**

Principles underlying gene expression in higher eukaryotes, examined through selected genetic pathologies. The course seeks to increase students' facility in making creative use of the primary scientific literature. Three lecture hours per week.

**Prerequisite(s):** Biology 201.

**Unit(s):** 1

**BIOL 387 Biology Seminar**

Regular attendance in program seminars and written analysis of presentations. May be repeated for credit, normally taken in junior year. Meets one hour per week.

**Prerequisite(s):** Instructor approval

**Unit(s):** .25

**BIOL 388 Individual Internship**

Supervised independent work under field conditions. Designed to give student applied experience in biological specialty. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Biology, biochemistry and molecular biology, or environmental studies major at junior or senior rank.

**Unit(s):** .5

**BIOL 389 Independent Study**



An in-depth study of biological topics not included in other courses. Students work independently, but under the supervision of a faculty member. Must be approved by department chair and instructor.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .25-1

### **BIOL 391 Honors Seminar I**

Special topics for junior and senior students with emphasis on topics presented in the Biology Seminar Series. One lecture hour per week.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .25

### **BIOL 392 Honors Seminar II**

Special topics for junior and senior honors candidates. One lecture hour per week.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .25

### **BIOL 395 Honors Research**

Laboratory or field-centered independent study. May be taken twice for credit.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** 1

### **BIOL 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

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## **Chemistry**

### **Department of Chemistry**

*Lisa Gentile, Chair*

*Professors Bell, Gupton, Myers, Parish*  
*Associate Professors Abrash, Dattelbaum, Dominey,*  
*Gentile, Goldman, Hamm, Leopold, Stevenson*  
*Assistant Professors Donald, Downey, Nolin*  
*Directors of Chemistry Laboratories Case, Miller*  
*Director of Instrument Facilities Kellogg*  
*Director of Computer-Assisted Science Education*  
*Kanters*  
*Managers of Laboratories Collins, Wimbush*  
*Stockroom Manager Joseph*  
*Visiting Senior Research Scholars Seeman, Zeldin*

### **The Chemistry Major**

**Note:** A grade of not less than C- (1.7) is required in each chemistry course applied to the major.

### **For the Bachelor of Arts degree**

12 units, including  
 CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis  
 CHEM 205-206 Organic Chemistry  
 CHEM 300 Measurement Statistics  
 CHEM 301 Quantitative Methods of Chemical Analysis  
 CHEM 309 and CHEM 314 or CHEM 310 and CHEM 315 Physical Chemistry  
 CHEM 317 Inorganic Chemistry  
 CHEM 322 Junior Seminar  
 CHEM 421- 422 Senior Seminar  
 One additional 1-unit upper-level course in chemistry (other than CHEM 320)  
 MATH 212 or 232 Calculus II or Scientific Calculus II  
 PHYS 127 or 131 General Physics I  
 One unit in physics, chosen from  
 PHYS 132 General Physics II  
 PHYS 133 Atomic and Subatomic Physics  
 PHYS 134 Biological Physics

Participation in undergraduate research is encouraged as an important part of the program.

### **For the Bachelor of Science degree**

14.5 units, including  
 CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis  
 CHEM 205-206 Organic Chemistry  
 CHEM 300 Measurement Statistics

CHEM 301 Quantitative Methods of Chemical Analysis  
 CHEM 309 and 314 Physical Chemistry I and Laboratory  
 CHEM 310 and 315 Physical Chemistry II and Laboratory  
 CHEM 317 Inorganic Chemistry  
 CHEM 322 Junior Seminar  
 CHEM 421- 422 Senior Seminar  
 One additional 1-unit upper-level course in chemistry (other than CHEM 320)  
 One unit in an approved research experience (CHEM 320) that culminates in a written report or poster presentation  
 MATH 212 or 232 Calculus II or Scientific Calculus II  
 PHYS 127 or 131 General Physics I  
 One unit in physics, chosen from  
 PHYS 132 General Physics II  
 PHYS 133 Atomic and Subatomic Physics  
 PHYS 134 Biological Physics

#### And for either of the above degrees

Additional upper-level elective courses in chemistry and two full years of either biology or physics are highly recommended.

#### Certifications in the Chemistry Major

Certifications by the department, based on American Chemical Society specifications, require:

#### For chemistry

The Bachelor of Science degree in chemistry with the addition of CHEM 326 or 327. Note that CHEM 326 or 327 is in addition to, not in place of, the upper-level elective required for the Bachelor of Science degree in chemistry. In addition, a written research report must be submitted to the chemistry department and approved by at least two chemistry faculty members or their designees.

#### For chemistry/biochemistry

The Bachelor of Science degree in chemistry with the addition of CHEM 327 and 329 and one non introductory biology elective which contains cell biology, microbiology, or genetics. Note that CHEM 327 and 329 are in place of, not in addition to, the upper-level elective required for the Bachelor of Science degree in chemistry. In addition, a written research report must be submitted to the chemistry

department and approved by at least two chemistry faculty members or their designees.

The completion of the Bachelor of Science degree in biochemistry and molecular biology and CHEM 300, 301, 310, and 317 also meets the certification requirements. Note that CHEM 300, 301, 310, and 317 are in place of, not in addition to, the upper-level elective required for the Bachelor of Science degree in biochemistry and molecular biology. In addition, a written research report must be submitted to the chemistry department and approved by at least two chemistry faculty members or their designees.

#### Honors Program

Departmental honors in chemistry requires 1) a GPA of 3.3 overall and in the major; 2) completion of the Bachelor of Science degree in chemistry with the addition of CHEM 326 (or 327) and an additional 1 unit (for at least 2 units total) of an approved research experience; and 3) a research thesis turned in to the honors coordinator and approved by at least two chemistry faculty members or their designees. (Note that CHEM 326 (or 327) is in addition to, not in place of, the upper-level elective required for the Bachelor of Science degree in chemistry.)

To obtain honors in chemistry, a student must apply to the University honors program. An application can be submitted through the chemistry honors coordinator after a student has completed 18.5 units total coursework and 3.5 units in chemistry past CHEM 141.

#### The Chemistry Minor

**Note:** A grade of not less than C- (1.7) is required in each course in the minor.

7 units, including  
 CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis  
 CHEM 205-206 Organic Chemistry  
 CHEM 300-301 or 302 Measurement Statistics-Quantitative Methods of Chemical Analysis or Spectroscopy and Instrumentation  
 CHEM 317 Inorganic Chemistry  
 One additional one-unit upper-level course in chemistry (other than CHEM 320)

#### Cooperative Program

### Engineering Opportunities for University of Richmond students at Virginia Commonwealth University

A fundamental understanding of chemistry, physics, and biology coupled with problem-solving and analytical skills in chemical and life science engineering represents a unique opportunity to position students for broad employment opportunities in chemical process technology and in the rapidly growing areas of biotechnology, bioengineering, and nanoscience. Toward this end, opportunities have been created for University of Richmond students who seek the advantages of a liberal arts education coupled with a strong background in the fundamentals of engineering.

A sequence of four courses offered in the School of Engineering at Virginia Commonwealth University has been approved for University of Richmond students. The requisite math background for this core and for easy transfer into the VCU M.S. program upon graduation is three semesters of calculus and one semester each of differential equations and statistics (which may be satisfied with CHEM 300). A course in computer programming is also required.

The core courses taken at VCU are  
 CLSE 201 Material Balances (3 semester hours)  
 CLSE 202 Energy Balances and Engineering Thermodynamics (3 semester hours)  
 CLSE 301 Transport Phenomena I (3 semester hours)  
 CLSE 305 Thermodynamics of Phase Equilibria and Chemical Reactions (3 semester hours)

The core courses listed above will be accepted as transfer credit. Up to one unit will count as required elective credit within the chemistry major. For a Richmond student to qualify, the following criteria would have to be met:

- Junior or senior standing at Richmond
- Enrollment in at least 3.5 units at Richmond during each term coursework is taken at VCU
- Minimum GPA of 3.00 at Richmond
- Enrollment in no more than one course at VCU in any given semester
- Prerequisites for elective courses must be completed
- Payment of any lab fees required by VCU
- Acceptance by the School of Engineering at VCU

- Student's registration must be approved in advance by VCU registrar (case-by-case approval)

### Related Major

Biochemistry and molecular biology program

### Courses

#### **CHEM 110 Pollutants in the Environment**

Sources, behavior, and effects of chemical pollutants in the air, water, and soil. Topics include global warming, ozone depletion, acid rain, pesticides, and radioactive waste. Three lecture and three laboratory hours per week. Does not count toward the chemistry major or minor.

**Prerequisite(s):** None (high school chemistry desirable).

**General Education Requirement:** (FSNC)

**Unit(s):** 1

#### **CHEM 111 Chemistry Detectives: Solving Real-World Puzzles**

A laboratory-based course in which students learn the language and techniques used in industrial and forensic laboratories to conduct organic chemical analysis. Students become "chemistry detectives," able to solve the types of "chemistry puzzles" that are characteristic of the fun part of doing chemistry (e.g. how chemists, such as forensic and pharmaceutical chemists, determine the structure of real-world unknown compounds). A range of applications of this chemistry is discussed, including such topics as environmental, medicinal, polymer, forensic and industrial chemistries, government regulations, natural products, pheromones, and information retrieval. In the process, students will gain hands-on experience using modern instrumentation, including IR, NMR, GC-Mass Spec, and UV-Visible spectroscopy. Three lecture and three laboratory hours per week. Does not count toward the chemistry major or minor.

**Prerequisite(s):** High school chemistry or permission of instructor.

**General Education Requirement:** (FSNC)

**Unit(s):** 1

#### **CHEM 112 Biochemistry in the Real World**

The genomics revolution of the last 10 years has given birth to the "proteome," emphasizing the central role that proteins play in virtually all life and death processes. This course will explore central features of what proteins look like and how they perform their varied functions in a variety of biological and chemical processes. These will include aspects of cell differentiation, cell death, and disease states such as cancer, Alzheimer's, and viral infections by Epstein-Barr virus, papillomavirus, and AIDS. Three lecture and three laboratory hours per week. Does not count toward the chemistry major or minor.

**General Education Requirement:** (FSNC)

**Unit(s):** 1

**CHEM 113 Catching Criminals with Chemistry**

Investigation of how chemistry can be applied to solving crimes. The nature of physical evidence will be discussed, along with the chemical techniques used to gather and analyze that evidence. The course will also introduce students to the legal aspects surrounding the introduction of evidence into a court of law, thus providing an interdisciplinary focus for those interested in science and law. By combining case studies with applicable technology, students will gain a heightened understanding of the important roles that chemistry plays in forensic science. Three lecture and three laboratory hours per week. This course does not count towards the chem major or minor.

**General Education Requirement:** (FSNC)

**Unit(s):** 1

**CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis**

Fundamental principles of chemistry, including atomic and molecular structure, bonding, periodicity; chemical reactions, including stoichiometry, acid base chemistry, oxidation-reduction; and an introduction to kinetics and thermodynamics, chemical reactions and, equilibria. Introductory course for science majors and those pursuing degrees in the health sciences. It is a prerequisite for upper-level courses. Three lecture and three laboratory hours per week. Previous knowledge of chemistry is helpful but not assumed.

**General Education Requirement:** (FSNC)

**Unit(s):** 1

**CHEM 191 Integrated Science/Math/Computer Science 3 with Laboratory**

One of two courses taught spring semester as part of Integrated Quantitative Science program. Will integrate topics from Biology, Chemistry, Physics, Math and Computer Science and will include instructors from all five disciplines. Each semester of the course will be organized around a guiding principle that integrates several concepts. Along with co-requisite, will include ten hours for lecture and lab combination.

**Prerequisite(s):** High school calculus. Biology 190 and Math 190. Co-requisite: Physics 191. Acceptance to Intergrative Quantitative Science course required.

**Unit(s):** 1

**CHEM 205-206 Organic Chemistry**

Chemistry of compounds of carbon, which is fundamental to understanding of both chemistry and biology. Nomenclature, structure-physical property relationships, reactions, reaction mechanisms, spectroscopy and introduction to macromolecules, including those of biological significance. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Chemistry 141 or 191. Chemistry 205 is prerequisite to 206.

**Unit(s):** 1-1

**CHEM 220 Projects**

Laboratory experience with a faculty member.

**Unit(s):** .25-.5

**CHEM 300 Measurement Statistics**

Overview of statistics of measurements on chemical systems. Includes characteristics of data which contain random error. Statistics used to describe and summarize trends of measured data will be introduced, as well as a number of statistical tools needed to draw meaningful and objective conclusions based on data. Should be taken simultaneously with, or prior to, Chemistry 301. Two lecture and one laboratory hour per week for the first seven weeks in a semester.

**Unit(s):** .5

**CHEM 301 Quantitative Methods of Chemical Analysis**

Principles and techniques of chemical and instrumental methods used for quantitative analysis. Includes lecture coverage and extensive laboratory

use of gravimetric, titrimetric, electrochemical, and spectroscopic methods. Three lecture and four laboratory hours per week.

**Prerequisite(s):** Chemistry 300 and 317. Chemistry 300 may be taken concurrently.

**Unit(s):** 1.5

**CHEM 302 Spectroscopy and Instrumentation**

Principles and techniques of chemical and instrumental methods used for compound identification. Focus on modern instrumental methods for compound structure elucidation and the principles underlying both the spectroscopic methods and the instrumentation itself. Three lecture and four laboratory hours per week.

**Prerequisite(s):** Chemistry 206.

**Unit(s):** 1.5

**CHEM 303 Separations**

Principles, theory, and techniques central to chemical separation sciences--both classical and instrumental methods used for compound separation and purification, as well as factors important to industrial scalability versus nanoscale applications. Focus on modern theories and implementations of instrumental methods for compound separations and principles underlying instrumentation. Three to four hours of lecture and/or laboratory per week.

**Prerequisite(s):** Chemistry 301 or 302.

**Unit(s):** 1

**CHEM 308 Statistical Mechanics**

(See Physics 308.)

**Unit(s):** 1

**CHEM 309-310 Physical Chemistry**

Study of the principal laws and theories of chemistry: gas laws and kinetic molecular theory, classical and statistical thermodynamics, wave mechanics and molecular structure, and chemical kinetics. Principles and properties of liquids, solids and solutions, and phase equilibria are also examined along with electrochemistry. Three lecture hours per week.

**Prerequisite(s):** Chemistry 141 or 191; Physics 132, 133, or 134; and Mathematics 212 or 232. Chemistry 317 is highly recommended. CHEM 315 is a co-requisite for CHEM 310.

**Unit(s):** 1-1

**CHEM 311 Theoretical and Computational Chemistry**

Involves the fundamental study of the structure, energetics, and behavior of molecular systems using tools from mathematics, physics, chemistry, and biology as implemented on a computer. Will cover the basics of the field including, but not limited to, molecular mechanics, quantum mechanics, hybrid methods, and docking. These tools can be applied to problems in drug design, protein folding, reaction mechanisms, and prediction of molecular phenomenon, to name a few.

**Prerequisite(s):** Chemistry 141 and Mathematics 212 or 232

**Unit(s):** 1

**CHEM 314 Physical Chemistry Laboratory I**

Experimental course corresponding to Chemistry 309. Covers critical experiments related to the theoretical treatments of gas laws, thermodynamics, and chemical kinetics. Introduction to scientific writing and basic error propagation.

**Prerequisite(s):** Chemistry 309

**Unit(s):** .5

**CHEM 315 Physical Chemistry Laboratory II**

Experimental course corresponding to Chemistry 310. Covers critical experiments related to the theoretical treatments of quantum mechanics, spectroscopy and to a lesser extent, statistical mechanics.

**Prerequisite(s):** Chemistry 310 is a co-requisite.

**Unit(s):** .5

**CHEM 316 Environmental Chemistry**

Study of the fate, transport, and distribution of chemicals in the environment. The chemistry of the atmosphere, hydrosphere, and geosphere will be covered, highlighting effects of inorganic and organic pollutants. Topics such as global warming, stratospheric ozone depletion, acid rain, photochemical smog, and groundwater contamination will be discussed in detail. Three lecture hours per week.

**Prerequisite(s):** Chemistry 205 or permission of instructor.



**Unit(s):** 1

**CHEM 317 Inorganic Chemistry**

Inorganic chemistry embraces the chemistry of all of the elements. This course will focus on the synthesis and behavior of inorganic materials. As such, it will include certain aspects of thermodynamics, atomic and molecular bonding theories, kinetics, and electrochemical processes as they pertain to inorganic compounds and materials. Three lecture and four laboratory hours per week.

**Prerequisite(s):** Chemistry 206.

**Unit(s):** 1

**CHEM 320 Introduction to Research**

Laboratory research experience with a faculty member.

**Unit(s):** .5-1

**CHEM 322 Junior Seminar**

Regular attendance in departmental seminar program. Normally taken in the junior year. One class hour per week.

**Prerequisite(s):** Chemistry 206.

**Unit(s):** 0

**CHEM 326 Biochemistry**

Structure and chemistry of biologically important macromolecules and chemical processes involved in cellular synthesis degradation, and assembly of these macromolecules. Three lecture hours and an extra experience per week. (Same as Biology 326.)

**Prerequisite(s):** Chemistry 206.

**Unit(s):** 1

**CHEM 327 Biochemistry with Laboratory**

Structure and chemistry of biologically important macromolecules and chemical processes involved in cellular synthesis degradation, and assembly of these macromolecules. Three lecture and three laboratory hours per week. This course is restricted to students who are Biochemistry and Molecular Biology majors or obtain permission from the instructor.

**Prerequisite(s):** Chemistry 206.

**Unit(s):** 1

**CHEM 329 Protein Structure, Function and Biophysics**

Advanced topics in protein structure, function, and biophysics. Commences with brief treatment of essential elements of kinetics, thermodynamics, and quantum mechanics necessary for a thorough understanding of topics to be presented later and continues with detailed coverage of enzyme kinetics and ligand binding, chemical modification, site-directed mutagenesis, x-ray crystallography, spectroscopic techniques used to investigate conformation, and the folding of proteins, including Circular Dichroism, Fluorescence and NMR; and computational approaches used to compute and visualize both structure and reaction. Second half of course focuses on three classes of proteins and associated themes: 1) kinases, phosphatases, and regulation, 2) proteases and processes and 3) oligomeric enzymes and allosteric models. Three lecture and three laboratory hours per week.

**Prerequisite(s):** Chemistry/Biology 326 or Chemistry 327.

**Unit(s):** 1

**CHEM 330 Special Topics in Biochemistry**

Special course areas in biochemistry will be covered when sufficient interest exists. Considers subject matter not covered in other chemistry courses. See the chemistry or biochemistry and molecular biology department home pages for special topics currently scheduled.

**Prerequisite(s):** Chemistry 326, Biology 201, or 205.

**Unit(s):** .5-1

**CHEM 332 Molecular Spectroscopy**

Covers the major forms of molecular spectroscopy including vibrational-rotational spectroscopy of diatomic molecules, rotational spectroscopies of polyatomic molecules, vibration of polyatomic molecules, electronic spectroscopy and nuclear magnetic spectroscopy. Particular attention will be paid to the quantum mechanical theory of each of these forms of spectroscopy, especially time-dependent perturbation theoretical approaches. In addition, emphasis will be placed on the full range of structural and dynamical information that can be extracted from each type of spectrum.

**Prerequisite(s):** Chemistry 310.

**Unit(s):** 1

**CHEM 342 Medicinal Chemistry**

Provides basic principles of the drug discovery process. Topics include general considerations, mode of action, quantitative structure activity relationships, absorption, distribution, metabolism, and inactivation of medicinal agents. In addition, major drug classes will be presented along with specific case studies for each category. Three lecture hours per week.

**Prerequisite(s):** Chemistry 206.

**Unit(s):** 1

**CHEM 343 Physical Organic Chemistry and Catalysis**

Topics may include physical organic chemistry concepts, the development of catalysts for organic reactions, stereochemically controlled reactions, and the application of inorganic chemistry to organic reactions. Three lecture hours per week.

**Prerequisite(s):** Chemistry 206 and 317.

**Unit(s):** .5-1

**CHEM 344 Organic Synthesis**

Topics may include modern synthetic methods, organic reaction mechanisms, examples of syntheses from recent literature, and the design of synthetic approaches to target molecules of interest. Three lecture hours per week.

**Prerequisite(s):** Chemistry 206.

**Unit(s):** .5-1

**CHEM 401-402 Quantum Mechanics**

(See Physics 309-310.)

**Unit(s):** 1-1

**CHEM 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**CHEM 417 Organometallic Chemistry**

Overview of the structure, reactivity, and applications of organometallic compounds. Topics include main group and transition metal complexes, catalysis, applications to organic synthesis, and bioorganometallic chemistry. Three lecture hours per week.

**Prerequisite(s):** Chemistry 317 or permission of instructor.

**Unit(s):** 1

**CHEM 419 Advanced Inorganic Chemistry**

Study of principles of chemistry involved in bonding, structure, properties and reactions of main group transition metal, coordination and organometallic compounds with emphasis on periodic trends, thermodynamic, and kinetic factors and symmetry. Three lecture hours per week.

**Prerequisite(s):** Chemistry 309 and 317 (309 may be taken concurrently).

**Unit(s):** 1

**CHEM 421-422 Senior Seminar**

Participation in departmental seminar program, to include regular attendance and one presentation during one of the two semesters. Presentation will include both written and oral component, each prepared on specific topic in chemistry. One class hour per week.

**Prerequisite(s):** Chemistry 322. 421 is a prerequisite for 422.

**Unit(s):** 0 (421)-.5 (422)

**CHEM 427 Independent Study**

In-depth exploration of subjects not included in other courses, done independently but under faculty member's supervision.

**Prerequisite(s):** Four semesters of chemistry and permission of instructor.

**Unit(s):** .25-1

**CHEM 433 Special Topics**

Special course areas covered when sufficient interest exists. Considers subject matter not covered in other chemistry courses. See chemistry department home page ([chemistry.richmond.edu](http://chemistry.richmond.edu)) for special topics currently scheduled.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .5-1

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## Chinese Studies Program

### Department of Modern Literatures and Cultures

*Kun Qian, Section Coordinator*

This section contains information specific to the degree program in Chinese Studies. For full information regarding departmental policies relevant to all the modern literatures and cultures (MLC) degree programs, study abroad, and course sequencing, see the main page of the Department of Modern Literatures and Cultures.

### Study Abroad

Study and travel abroad are strongly encouraged for all students. For students of Chinese, the department offers a summer study program in China. Semester or year study abroad at our partner institutions in Taiwan, Hong Kong, and Beijing is encouraged. For a complete list of study abroad options, contact the Office of International Education.

### The Chinese Studies Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.7).

9 courses including:

- Five courses chosen from the following, one of which must be a 400-level course:
  - CHIN 301 Advanced Intermediate Chinese
  - CHIN 302 Conversational Chinese
  - CHIN 311 Insights into Chinese Culture (summer only)
  - CHIN 401 Crossing Cultural Boundaries
  - CHIN 402 Advanced Syntax and Composition
  - CHIN 410 Business Chinese
  - CHIN 497 Selected Topics

- Four courses chosen from the list below with CLAC in Chinese

MLC 225 Chinese Culture and Civilization  
 MLC 323 Hero, Talent, and Beauty: Classical Chinese Narrative  
 MLC 325 Representing the Chinese Empire  
 MLC 355 Chinese Cinema  
 HIST 250 Modern East Asia 1600-1960  
 HIST 251 Chinese Revolutions  
 HIST 252 China Modern: 1900-1940  
 HIST 341 History and Memory: WWII in East Asia  
 PLSC 345 Politics of China, Hong Kong, and Taiwan  
 PLSC 357 International Relations of East Asia  
 PLSC 358 The U.S. and Asia's Great Powers

- Students MUST complete an approved study abroad experience as part of the Chinese Studies major. The study abroad experience can be fulfilled through a summer study abroad program associated with the University of Richmond, or other summer or semester programs in Chinese universities approved by the Chinese Studies faculty.
- Students must take one 400-level course in Chinese at the University of Richmond after they return from abroad.
- Students can transfer up to three courses to fulfill their Chinese Studies major requirements.

### Cross-School Major in Chinese Studies and International Business

(Earned in conjunction with a major in the Robins School of Business with an international business concentration.)

9 courses and an interdisciplinary research project (IDST 379), in addition to completing all requirements of the international business concentration for the business administration major, including:

- CHIN 410: Business Chinese, and
- FOUR courses at the 300-level or above, chosen from

CHIN 301 Advanced Intermediate Chinese  
 CHIN 302 Conversational Chinese  
 CHIN 311 Insights into Chinese Culture

CHIN 401 Crossing Cultural Boundaries  
 CHIN 402 Advanced Syntax and  
 Composition  
 CHIN 497 Selected Topics

- One semester full-time study in China or Taiwan at an approved university

The cross-school major in Chinese Studies and International Business represents a collaborative project between the Department of Modern Literatures and Cultures and the International Business Program in the Robins School of Business. Designated faculty members from each program will advise students upon declaration and as they progress through the major. The curriculum includes a semester abroad at one of the University's partner institutions (for example, Tsinghua University in Beijing or National Chengchi University in Taiwan). There, students will continue their course work in Chinese Studies and business in classes with both local and other international students.

To prepare for the experience abroad, students must have taken CHIN 202 or the equivalent. Upon returning to the University of Richmond, they will broaden their knowledge of literary and cultural studies through advanced seminars as well as additional Robins School of Business coursework. The Chinese component of this program thus consists of five courses at the 300-level or above taken on campus plus four courses taken abroad, or the equivalent of a nine-course major in MLC.

### The Chinese Studies Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.7).

5 courses (must include an approved study abroad experience), including

- Four courses in Chinese at the 300 level or above
- One elective from the list below with CLAC in Chinese or a 400-level course in Chinese:

HIST 250 Modern East Asia 1600-1960  
 HIST 251 Chinese Revolutions  
 HIST 252 China Modern: 1900-1940  
 HIST 341 History and Memory: WWII in East Asia  
 MLC 225 Chinese Culture and Civilization

MLC 323 Hero, Talent, and Beauty:  
 Classical Chinese Narrative  
 MLC 325 Representing the Chinese Empire  
 MLC 355 Chinese Cinema  
 PLSC 345 Politics of China, Hong Kong,  
 and Taiwan  
 PLSC 357 International Relations of East Asia  
 PLSC 358 The U.S. and Asia's Great Powers  
 RELG 355 Selected Asian Religions

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted. Minors must take at least one 400-level class on campus after studying abroad, regardless of whether or not they have sufficient credits to fulfill the minor requirements.

### Courses

#### **CHIN 101-102 Elementary Chinese**

Introduction to standard Chinese (Putonghua) and culture, with emphasis on spoken language as it is used today. Both Jiantizi (simplified forms) and Fantizi (complex form) will be taught. Development of basic reading and writing skills. Study of Chinese cultural forms that underlie the language.

**Prerequisite(s):** 101 is prerequisite to 102.

**Unit(s):** 1-1

#### **CHIN 201-202 Intermediate Chinese**

Reinforcement and expansion of skills in speaking, listening, reading, and writing. Appreciation of Chinese culture.

**Prerequisite(s):** Chinese 102 is prerequisite to 201; 201 is prerequisite to 202.

**General Education Requirement:** (202 only, COM2)

**Unit(s):** 1-1

#### **CHIN 301 Advanced Intermediate Chinese**

A continuation of Chinese 202. Focuses on the further development of the four language skills: listening, speaking, reading, and writing.

**Prerequisite(s):** Chinese 202.

**Unit(s):** 1

**CHIN 302 Conversational Chinese**

(Summer only; taught in China.) Reinforcement of competent aural and oral communication skills in Chinese. Opportunities to interact with native speakers/language partners on a regular basis.

**Prerequisite(s):** Chinese 202.

**Unit(s):** 1

**CHIN 311 Insights into Chinese Culture**

Introduction to major current issues and influential figures on political, social and, in particular, cultural scenes of China, Hong Kong, and Taiwan, with reference to relevant historical background.

**Prerequisite(s):** Chinese 202.

**Unit(s):** 1

**CHIN 312 Insights into Chinese Culture**

(Summer only; taught in China). Reinforcement of communicative language skills, reading, and writing. Emphasis on major current issues and cultural scenes of China and Hong Kong, with reference to relevant historical background. Students will participate in various field trips.

**Prerequisite(s):** Chinese 202.

**Unit(s):** 1

**CHIN 388 Individual Internship**

Internship experiences outside of the department in fields related to Chinese studies. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Permission of department.

**Unit(s):** .5-1

**CHIN 389 Practice Assistantship**

Students lead practice sessions associated with the elementary and intermediate language sequence in Chinese. The practice assistantship does not count as credit toward the major or minor. Up to one unit can be applied toward graduation credit.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25

**CHIN 401 Crossing Cultural Boundaries**

Exploration of themes and issues in contemporary Chinese culture including social issues, popular culture, traditions, politics, and history providing a range of views across culture boundaries.

**Prerequisite(s):** One 300-level course in Chinese or permission of instructor

**Unit(s):** 1

**CHIN 402 Advanced Chinese Syntax and Composition**

Further refines Chinese syntax and develops academic writing skills sufficient to complete a research project in Chinese.

**Prerequisite(s):** CHIN 401 or permission of instructor

**Unit(s):** 1

**CHIN 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**CHIN 410 Business Chinese**

Designed for students who are interested in learning business Chinese. Focusing on topics of international business and foreign trade, the course offers advanced training in vocabulary, grammar, and rhetoric. The aim is to equip students with necessary language skills to function in the business world related to China.

**Prerequisite(s):** Chinese 301 or 311 or permission of instructor.

**Unit(s):** 1

**CHIN 495 Independent Study**

Special projects individually pursued under supervision of faculty member.

**Prerequisite(s):** Permission of instructor.



**Unit(s):** .5-1

**CHIN 497 Selected Topics**

Special interest topics offered at department's discretion. Recent topics include contemporary readings in culture, literature and history; and romance.

**Prerequisite(s):** Chinese 301 or permission of instructor.

**Unit(s):** 1

**Classical Studies**

**Department of Classical Studies**

*Dean Simpson, Chair*

*Professor Simpson*

*Associate Professors Laskaris, Stevenson*

*Assistant Professor Baughan*

The Department of Classical Studies offers majors and minors in classical civilization, Greek language and literature and Latin language and literature.

The Department of Classical Studies also offers three combined majors with the English department. The combined programs in classics and English, Greek and English, and Latin and English are intended for students who wish to pursue in-depth work in both the classical and the English literary traditions.

**The Classical Civilization Major**

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.7).

9 units, including

CLSC 305 Greek and Roman Values or CLSC 306

The Classical Tradition

CLCV 498 Major Seminar

Seven units selected from courses offered by the Department of Classical Studies or approved courses in related fields

**The Classical Civilization Minor**

**Note:** No course grade below C- (1.7) will count toward the minor.

Five units selected from courses offered by the Department of Classical Studies (excluding courses in Greek and Latin) or approved courses in related fields, of which three must be in the Department of Classical Studies.

Students are expected to fulfill all prerequisites necessary for courses within the major or minor. Prerequisites do not count toward the major or minor unless otherwise noted.

**Approved Courses in Related Fields for the Classical Civilization Major or Minor**

ANTH 101 Introduction to Cultural Anthropology

ART 121 Survey I: Prehistory through the Middle Ages

ART 309 Image and Icon in Medieval Art

ART 310 Late Antique and Early Christian Art

ART 311 Medieval Byzantine Art, 600-1453

ART 312 Medieval Art in Western Europe, 8th-15th Centuries

ART 314 Northern Renaissance Art

ART 315 Art of the Italian Renaissance

ART 316 Art in the Age of Reform

ART 322 Museum Studies

ENGL 234 Shakespeare

ENGL 301 Literature of the Middle Ages

ENGL 302 Literature of the English Renaissance

ENGL 304 Shakespeare

ENGL 307 Epic Tradition

ENGL 308 Interdisciplinary Studies in the Middle Ages and Renaissance

ENGL 371 Versions of Tragedy

HIST 220 The Aegean Bronze Age

HIST 221 Classical Greece

HIST 222 Hellenistic Greece and Republican Rome

HIST 223 The Roman Empire

HIST 225 Medieval Italy

HIST 226 Early Middle Ages

HIST 227 High Middle Ages

HIST 228 The Medieval Economy: Pre-Industrial Europe, 500-1500

PHIL 271 Ancient Greek Philosophy

PHIL 281 Philosophy of Art

PLSC 311 Political Theory: Plato to Locke

RELG 200 Symbol, Myth and Ritual

RELG 230 The History of Israel

RELG 241 Introduction to Early Christian Era

RELG 243 The World of the New Testament

RELG 258 Medieval Religious Thought

RELG 331 The Hebrew Prophets

RELG 332 Hebrew and Christian Wisdom Literature

RELG 340 Varieties of Early Christianity

RELG 341 Paul and Christian Origins

RELG 342 John in Early Christian Literature

RELG 360 Goddess Traditions Ancient and Modern  
RHCS 323 Classical Rhetoric  
RHCS 325 Medieval to Modern Rhetorics

### Courses

#### Required Course for the Classical Civilization Major

##### **CLCV 498 Major Seminar**

Methodologies appropriate to the study of classical civilization and the writing of a research paper.

**Prerequisite(s):** Permission of department.

**Unit(s):** 1

#### Courses Offered in English for Classical Civilization Major and Minor

##### **CLSC 201 Classical Elements in the English Language**

A study of how Latin and Greek have contributed to English vocabulary -- basic, learned, and technical. In addition to developing the skill of seeing within English words meaningful prefixes, roots, and suffixes, topics of interest include the history of English, the expansion of English vocabulary via borrowing and neologism, and the ways words' meanings may change over time.

**Unit(s):** 1

##### **CLSC 205 Greek and Roman Mythology: Epic**

Selected mythic themes in Greek and Roman epic literature from Homer to Ovid. Emphasis on myths prominent in Western literature.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

##### **CLSC 207 Greek Magic**

Exploration of magic as a means to understanding and affecting the natural world. Major topics include erotic magic, dreams and divination, ritual purification, sacred plants, and healing.

**Unit(s):** 1

##### **CLSC 208 Mythology: Greek Drama**

Study of myths preserved in Greek dramas, and historical and literary analysis of these plays.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

##### **CLSC 210 A History of Early Medicine**

Medical concepts and practices of several ancient peoples of the Aegean and Mediterranean, with a focus on the Greeks and Romans. The development of medicine in Western, Byzantine, Islamic, and Arabic traditions is traced into modern times.

**Unit(s):** 1

##### **CLSC 212 Dining and Drinking in Classical Antiquity**

A social history of eating and drinking in the ancient Mediterranean world, from communal religious feasts to private banquets. Using primary ancient sources (literary texts, artistic representations, and archaeological finds), examines the roles of dining and drinking in ancient societies and social ideologies.

**General Education Requirement:** FSSA

**Unit(s):** 1

##### **CLSC 220 Introduction to Archaeology**

What can we learn about people and societies, past and present, from their material remains? Introduces archaeological method and theory, with special focus on sites of the ancient Mediterranean basin.

**General Education Requirement:** FSSA

**Unit(s):** 1

##### **CLSC 301 Greek Art and Archaeology**

A survey of architecture, sculpture, ceramics, and painting in the Greek world, from the Bronze Age through the Classical period, and an exploration of how art and buildings functioned in Greek society. Introduces students to basic methods of analyzing and interpreting archaeological remains.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

##### **CLSC 302 Roman Art and Archaeology**

A survey of Roman art and architecture from the early republic through the late empire, and throughout the Roman world, from Spain to Syria. Explores the meanings of 'style' in Roman art and the social and political significance of Roman sculpture, painting, and architecture.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**CLSC 304 The Feminine in Greco-Roman Literature**

Concept of the feminine as seen in major works of Greek and Roman poetry, prose, and drama.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**CLSC 305 Greek and Roman Values**

Investigation of ancient Greco-Roman values -- artistic, religious, political, and personal -- as found in an eclectic survey of primary texts.

**General Education Requirement:** (FSHT)

**Unit(s):** 1

**CLSC 306 The Classical Tradition**

Legacy of classical Greece and Rome in Medieval, Renaissance, and modern worlds.

**General Education Requirement:** (FSHT)

**Unit(s):** 1

**CLSC 308 Women in Greece and Rome**

Structure of Greek and Roman societies based on analysis of the position of women within them. Comparison with other disenfranchised groups, particularly ethnic minorities.

**General Education Requirement:** (FSSA)

**Unit(s):** 1

**CLSC 312 The Land of Hellas: Ancient Topography-Modern Legacy**

(Summer only; taught abroad.) Study of ancient remains of Bronze Age and Classical Greece and their role as a binding force for the ethnic and national identity of the modern country.

**Unit(s):** 1

**CLSC 321 Archaeology of the Middle East**

Art and cultures of the ancient Middle East, from the dawn of civilization to the age of Alexander, with a primary focus on Mesopotamia, Anatolia, and Syro-Palestine. While surveying the ancient sites and monuments of these regions of the Middle East, we will also consider how cultural heritage has played a

role in the history of archaeology and the creation of modern identities, and how it may be used in varying ways today as 'cultural capital.'

**Unit(s):** 1

**CLSC 388 Individual Internship**

Supervised independent work. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Permission of department.

**Unit(s):** .5-1

**CLSC 398 Selected Topics**

Topics or themes in Classics.

**Unit(s):** 1

**CLSC 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**CLSC 499 Independent Study**

Content suited to the requirements and interests of student, chosen by student and faculty director in advance of the semester in which the independent study is to be done.

**Prerequisite(s):** Permission of department.

**Unit(s):** .5-1

**Cognitive Science**

*L. Elizabeth Crawford, Coordinator (Psychology)*

Cognitive science is the interdisciplinary study of the structures and functions of the human mind.

Cognitive science investigates such topics as our sensory/perceptual apparatus, including vision, audition, olfaction; internal mental processes such as language, thinking, reasoning, and problem solving; motor control and the organization of skilled behavior such as speech and musical performance; memory; consciousness; attention; and many other aspects of the human mind. Cognitive science requires a multi-disciplinary approach and includes such fields as psychology, biology, neuroscience, philosophy, anthropology, linguistics, sociology, and computer science.

The cognitive science major is offered as a Bachelor of Arts degree only.

### The Cognitive Science Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.70).

12 units, including

PSYC 100 Introduction to Psychological Science

PSYC 200 Methods and Analyses

PSYC 331 Neuroscience

PSYC 333 Cognitive Science

PSYC 341 Cognitive Neuroscience

Two additional foundation courses chosen from

BIOL 201 Genetics

MLC 350 Linguistics

CMSC 101 Minds and Machines

CMSC 150 Introduction to Computing or

CMSC 155 Introduction to Scientific

PHIL 370 Philosophy of Mind

One advanced senior-level course chosen from

BIOL 391 Senior Seminar

CMSC 395 Artificial Intelligence

PHIL 380 Topics Seminar (subject to approval of cognitive science coordinator)

PSYC 449 Advanced Seminar

Four electives chosen from

ANTH 101 Introduction to Cultural Anthropology

BIOL 343 Neurobiology

BIOL 350 Independent Research

CMSC 221 Data Structures

CMSC 301 Computer Organizations

CMSC 340 Independent Research

PHIL 251 Symbolic Logic

PHIL 390 Independent Research

PSYC 361 Independent Research

PSYC 449 Advanced Seminar

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

### Combined Majors

Designated faculty members from each department will advise students upon declaration and as they progress through the major.

The combined majors offer options for students who want to combine in-depth study in two different areas and conduct independent research.

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

### English/Classical Studies

**Note:** A grade of C (2.0) is required in all coursework comprising the major.

15.5 units, including

Eight courses in Classics, to include

CLSC 205 Greek and Roman Mythology: Epic

CLSC 208 Mythology: Greek Drama

CLSC 305 Greek and Roman Values or 306 The Classical Tradition

Two other literature classes in classics (may include language classes at the 200 level or higher)

A minimum of three other classics department courses

Seven courses in English, to include

ENGL 297 Literature in Context: Genre and Mode

ENGL 298 Literature in Context: Texts in History

One 300-level course from Group A (literature before the early to mid-19th century)

One 300-level course from Group B (literature after the early to mid-19th century)

Two additional courses at the 300 level  
ENGL 400 Junior/Senior Seminar

IDST 379 Combined Major Project/Portfolio

A senior writing project (taken for one half unit as IDST 379) on a comparative topic dealing with literatures in Latin or Greek and English will be required. The paper must be 20-30 pages long and will make significant use of primary and secondary sources. The writing project will have two supervisors, one from the English department and one from the classical studies department. By the beginning of senior year, the student should designate one of the supervisors as the primary supervisor, and this supervisor will have primary responsibility for determining the student's grade on the writing project. If there is sharp disagreement between the two supervisors over the final grade, the primary supervisor's departmental chairperson will appoint a third reader/grader, whose decision will break the deadlock between the first and second supervisors.

### English/French

**Note:** A grade of C (2.0) is required in all coursework comprising the major.

14 courses and a senior project to be distributed as follows:

Seven courses in French, to include

FREN 305 Writing in French through Culture and Literature

Three courses selected from FREN 320 Literature in Context; FREN 324

Francophone Cultures and Literatures; FREN 325 Medieval and Early Modern Society; FREN 326 Revolution in France; FREN 327 The Question of Modernity

Three 400-level courses in literature/culture

Seven courses in English, to include

ENGL 297 Literature in Context: Genre and Mode

ENGL 298 Literature in Context: Texts in History

One 300-level course from Group A (literature before the early to mid-19th century)

One 300-level course from Group B (literature after the early to mid-19th century)

Two additional courses at the 300 level ENGL 400 Junior/Senior Seminar

IDST 379 Combined Major Project/Portfolio

A senior writing project (taken for one half unit as IDST 379) on a comparative topic

dealing with literatures in English and in French, 20-30 pages, written in English or in French, making significant use of primary and secondary materials in both languages, conducted through independent study.

Designated faculty members from each department will advise students upon declaration and as they progress through the major. Study abroad in a French-speaking country is very strongly recommended.

### English/German

**Note:** A grade of C (2.0) is required in all coursework comprising the major.

14 courses and a senior project distributed as follows:

Seven courses in German, to include

GERM 311 German Culture and Civilization

GERM 321 Introduction to German Literature

Two 400-level courses

Three electives, selected from a list of approved MLC courses with a CLAC in German or 400-level German courses

Seven courses in English, to include

ENGL 297 Literature in Context: Genre and Mode

ENGL 298 Literature in Context: Texts in History

One 300-level course from Group A (literature before the early to mid-19th century)

One 300-level course from Group B (literature after the early to mid-19th century)

Two additional courses at the 300 level ENGL 400 Junior/Senior Seminar

IDST 379 Combined Major Project/Portfolio

A senior writing project (taken for one half unit as IDST 379) on a comparative topic dealing with literatures in English and in German, 20-30 pages, written in English or in German, making significant use of primary and secondary materials in both languages, conducted through independent study.

Designated faculty members from each department will advise students upon declaration and as they progress through the major. Study abroad in a German-speaking country is very strongly recommended.



**English/Greek**

**Note:** A grade of C (2.0) is required in all coursework comprising the major.

15.5 units, including

Eight courses in Greek, to include

CLSC 306 The Classical Tradition  
Seven courses in Greek language and literature

Seven courses in English, to include

ENGL 297 Literature in Context: Genre and Mode

ENGL 298 Literature in Context: Texts in History

One 300-level course from Group A (literature before the early to mid-19th century)

One 300-level course from Group B (literature after the early to mid-19th century)

Two additional courses at the 300 level  
ENGL 400 Junior/Senior Seminar

IDST 379 Combined Major Project/Portfolio

A senior writing project (taken for one half unit as IDST 379) on a comparative topic dealing with literatures in Greek and English will be required. The paper must be 20-30 pages long and will make significant use of primary and secondary sources. The writing project will have two advisors, one from the English department and one from the classical studies department. By the beginning of senior year, the student should designate one of the advisors as the primary advisor, and this advisor will have primary responsibility for determining the student's grade on the writing project. If there is sharp disagreement between the two advisors over the final grade, the primary advisor's departmental chairperson will appoint a third reader/grader, whose decision will break the deadlock between the first and second advisors.

**English/Latin**

**Note:** A grade of C (2.0) is required in all coursework comprising the major.

15.5 units, including

Eight courses in Latin, to include

CLSC 306 The Classical Tradition  
Seven courses in Latin language and literature

Seven courses in English, to include

ENGL 297 Literature in Context: Genre and Mode

ENGL 298 Literature in Context: Texts in History

One 300-level course from Group A (literature before the early to mid-19th century)

One 300-level course from Group B (literature after the early to mid-19th century)

Two additional courses at the 300 level  
ENGL 400 Junior/Senior Seminar

IDST 379 Combined Major Project/Portfolio

A senior writing project (taken for one half unit as IDST 379) on a comparative topic dealing with literatures in Latin and English will be required. The paper must be 20-30 pages long and will make significant use of primary and secondary sources. The writing project will have two advisors, one from the English department and one from the classical studies department. By the beginning of senior year, the student should designate one of the advisors as the primary advisor, and this advisor will have primary responsibility for determining the student's grade on the writing project. If there is sharp disagreement between the two advisors over the final grade, the primary advisor's departmental chairperson will appoint a third reader/grader, whose decision will break the deadlock between the first and second advisors.

**English/Russian**

**Note:** A grade of C (2.0) is required in all coursework comprising the major.

14 courses and a senior project distributed as follows: Seven courses in Russian (courses taken in English to fulfill the Russian part of the major must each include a quarter unit CLAC in Russian), to include

RUSN 301 Russian Conversation or RUSN

311 Readings in Russian Cultural Studies

MLC 321 Introduction to 19th-Century Russian Literature

MLC 322 Introduction to 20th-Century Russian Literature

Two 300- or 400-level courses, selected from approved courses on an approved study abroad program

Two 300- or 400-level courses selected from  
MLC 332 Conscience and Consciousness in

19th Century Russian Painting; MLC 335  
Bolsheviks, Bombs and Ballet: Soviet  
Culture and Civilization; other relevant  
offerings in a number of departments  
(classics, religion, philosophy, art)  
depending on the focus of the student's  
comparative topic.

Seven courses in English, to include  
ENGL 297 Literature in Context: Genre and  
Mode  
ENGL 298 Literature in Context: Texts in  
History  
One 300-level course from Group A  
(literature before the early to mid-19th  
century)  
One 300-level course from Group B  
(literature after the early to mid-19th  
century)

Two additional courses at the 300 level  
ENGL 400 Junior/Senior Seminar

IDST 379 Combined Major Project/Portfolio  
A senior writing project (taken for one half  
unit as IDST 379) on a comparative topic  
dealing with literatures in English and in  
Russian, 20-30 pages, written in English or  
in Russian, making significant use of  
primary and secondary materials in both  
languages, conducted through independent  
study.

Designated faculty members from each department  
will advise students upon declaration and as they  
progress through the major. Study abroad in a  
Russian-speaking country is very strongly  
recommended.

### English/Theatre

**Note:** A grade of C (2.0) is required in all  
coursework comprising the major.

14.5 units, including

Seven courses in theatre, to include  
THTR 202 Lighting Design or THTR 206  
Costume Design or THTR 301 Scene  
Design  
THTR 205 Production Studies I  
THTR 212 Basics of Acting or THTR 308  
Basics of Directing  
THTR 306 Production Studies II  
THTR 309 Theatre History I or THTR 319  
Theatre History II  
THTR 370 Staging Gender, THTR 210  
Performing Diversity, or THTR 320

Twentieth-Century Acting Styles and  
Theory  
THTR 407 Production Studies III

Seven courses in English, to include  
ENGL 297 Literature in Context: Genre and  
Mode  
ENGL 298 Literature in Context: Texts in  
History  
One 300-level course from Group A  
(literature before the early to mid-19th  
century)  
One 300-level course from Group B  
(literature after the early to mid-19th  
century)  
Two additional courses at the 300 level  
ENGL 400 Junior/Senior Seminar

IDST 379 Combined Major Project/Portfolio  
A capstone project (taken for one half unit  
as IDST 379) on a topic related to both  
theatre and English will be required. The  
project will be supervised by a faculty  
member from either theatre or English and  
read by a member of each department. When  
a student declares the combined major, he or  
she will be assigned a supervisor in each  
department. Each supervisor will be  
responsible for advising the student on the  
selection of courses in the supervisor's  
department.

Please note the following caveats:

1. No single course can count in two  
categories.
2. Students in the combined major cannot also  
minor in theatre or English.

### English/Women, Gender and Sexuality Studies

**Note:** A grade of C (2.0) is required in all  
coursework comprising the major.

13.5 units, including

Six courses in Women, Gender and Sexuality  
Studies, to include  
WGSS 200 Introduction to Women, Gender  
& Sexuality Studies  
WGSS 489 Research Methods and Capstone  
Preparation  
Four additional WGSS electives (not from  
the English Department) at least two of  
which must be above the 200-level  
Seven courses in English, to include  
ENGL 297 Literature in Context: Genre and  
Mode

ENGL 298 Literature in Context: Texts in History

One 300-level course from Group A (literature before the early to mid-19th century)

One 300-level course from Group B (literature after the early to mid-19th century)

Two additional courses at the 300-level ENGL 400 Junior/Senior Seminar

IDST 379 Combined Major Project/Portfolio

A capstone project (taken for one half unit as IDST 379) on a topic related to both women, gender, and sexuality studies and English will be required. The paper must be 20-30 pages long and will make significant use of primary and secondary sources. The writing project will have two supervisors, one from each department. By the beginning of senior year, the student will designate a primary supervisor, and this supervisor will have primary responsibility for determining the student's grade on the writing project. If there is sharp disagreement between the two supervisors over the final grade, the primary supervisor's departmental chairperson will appoint a third reader/grader, whose decision will break the deadlock between the first and second supervisors.

No more than one unit of internship credit in women, gender, and sexuality studies will be counted towards the combined major.

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## Computer Science

### Department of Mathematics and Computer Science

*B. Lewis Barnett III, Chair*

*Professors Charlesworth, Davis, Fenster, Greenfield, J. Hubbard, Nall, Ross*

*Associate Professors Barnett, Caudill, K. Hoke, Kerckhove, Lawson, Owen, Szajda*

*Assistant Professors Shaw*

*Director of Developmental Mathematics H. Hoke*

### The Computer Science Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no computer science course grade below C- (1.70).

Students are strongly advised to consult with faculty in planning their major curriculum.

### For the Bachelor of Arts degree

11.5 units, including

CMSC 150 or 155 Introduction to Computing or Scientific Computing

CMSC 221 Data Structures with Lab

CMSC 222 Discrete Structures for Computing

CMSC 240 Software Systems Development

CMSC 301 Computer Organization

CMSC 315 Algorithms

CMSC 323 Design and Implementation of Programming Languages

Three additional 1-unit CMSC electives at the 300 level. Without departmental approval, no more than one of these courses can be an Independent Study course.

MATH 211 or 231 Calculus I or Scientific Calculus I

MATH 245 Linear Algebra

### For the Bachelor of Science degree

14.5 units, including

CMSC 150 or 155 Introduction to Computing or Scientific Computing

CMSC 221 Data Structures with Lab

CMSC 222 Discrete Structures for Computing

CMSC 240 Software Systems Development

CMSC 301 Computer Organization

CMSC 315 Algorithms

CMSC 323 Design and Implementation of Programming Languages

Three additional 1-unit CMSC electives at the 300 level. Without departmental approval, no more than one of these courses can be an Independent Study course.

MATH 211 or 231 Calculus I or Scientific Calculus I

MATH 212 or 232 Calculus II or Scientific Calculus II

MATH 245 Linear Algebra

Two units at the 300 level or above in mathematics or two units (or more) beyond the introductory level in one of the following fields: physics (200 level or above), chemistry (200 level or above), or biology (beyond 205).

### The Computer Science Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no computer science course grade below C- (1.70). Students are strongly advised to consult with faculty in planning their minor curriculum.

5.5 units, including  
 CMSC 150 or 155 Introduction to Computing or Scientific Computing  
 CMSC 221 Data Structures with Lab  
 CMSC 222 Discrete Structures for Computing  
 CMSC 240 Software Systems Development  
 CMSC 301 Computer Organization  
 One additional unit in CMSC for which CMSC 222 or CMSC 301 is a prerequisite

### Honors Program

Students invited into the honors program may earn honors in computer science by completing the following requirements:

1. Two 300-level courses for honors credit (one of which as a 300-level prereq: 321, 322, 323, 326, 330, 331, 332, 333, 334, 335);
2. Two semesters of directed independent study (CMSC 340);
3. Honors paper

### Courses

#### **CMSC 101 Minds and Machines**

Formal deduction in propositional logic. The fundamentals of computer architecture. An elementary exploration of the extent to which symbolic reasoning can be automated, including a consideration of related results in fields such as neuroscience and artificial intelligence. Three hours lecture and one hour lab per week.

**General Education Requirement:** (FSSR)

**Unit(s):** 1

#### **CMSC 105 Elementary Programming with Lab**

Solving problems by writing computer programs. Introduction to computer architecture. Emphasis on symbolic reasoning using examples from a particular computing context. For non-majors. Not open to students who have completed any computer science course that fulfills major requirements. Three lecture and one laboratory hour per week.

**General Education Requirement:** (FSSR)

**Unit(s):** 1

#### **CMSC 150 Introduction to Computing**

Techniques for writing computer programs to solve problems. Topics include elementary computer organization, object-oriented programming, control structures, arrays, methods and parameter passing, recursion, searching, sorting, and file I/O. Three lecture and two laboratory hours per week. A student may not receive credit for both Computer Science 150 and 155. Students who have received credit for courses numbered 221 or higher may not take 150 for credit.

**Prerequisite(s):** None; however, strong mathematics aptitude usually predicts success in computer science.

**General Education Requirement:** (FSSR)

**Unit(s):** 1

#### **CMSC 155 Introduction to Scientific Computing**

Same course as Computer Science 150 but with greater emphasis on programming applications in the sciences. A student may not receive credit for both Computer Science 150 and 155. Students who have received credit for courses numbered 221 or higher may not take 155 for credit.

**Prerequisite(s):** Math 211 or 231.

**General Education Requirement:** (FSSR)

**Unit(s):** 1

*Note: Knowledge of the topics of Computer Science 150 or 155 is prerequisite to all higher numbered Computer Science courses. Students who have obtained this knowledge through a high school or some other course are permitted to begin with Computer Science 221 with departmental approval.*

#### **CMSC 195 Special Topics**

#### **CMSC 221 Data Structures with Lab**

#### **CMSC 222 Discrete Structures for Computing with Lab**

#### **CMSC 240 Software Systems Development**

#### **CMSC 288 Computer Science Apprenticeship**

*Note: Most 300-level courses in computer science include a one hour per week laboratory component. This is an instructor-designed, organized and supervised component of the course that may occur as a fourth hour of lecture or as an extra course component scheduled outside of the lecture period.*

*Scheduling and format may be discussed at the first class session. The format may vary by instructor and course. Students are urged to contact the instructor prior to registration if they have questions about the laboratory.*

### **CMSC 301 Computer Organization**

Fundamentals of computer organization. Topics include instruction and, data representations, assembly language, processor data path design, memory systems and I/O. Also includes examination of how software characteristics impact hardware design and optimization. Three lecture and one laboratory hour per week.

**Prerequisite(s):** Computer Science 221

**Unit(s):** 1

### **CMSC 315 Algorithms**

Design, analysis, and implementation of advanced computer algorithms. Emphasis is given to problem-solving techniques, including the greedy method, divide-and-conquer, and dynamic programming. Specific problem domains vary. Topics may include sorting, graphs, networks, computational geometry, NP-completeness, approximation algorithms, text processing, distributed systems, and numerical algorithms. Three lecture and one laboratory hour per week.

**Prerequisite(s):** Computer Science 222.

**Unit(s):** 1

### **CMSC 321 Operating Systems**

Structure of operating systems, process management, memory management, file systems, and case studies. Three lecture and one laboratory hour per week.

**Prerequisite(s):** Computer Science 222 and 301.

**Unit(s):** 1

### **CMSC 322 Software Engineering Practicum**

Project-oriented course. Principles of software engineering will be emphasized throughout. Three lecture and one laboratory hour per week.

**Prerequisite(s):** Senior standing or two courses at the 300 level that have Computer Science 301 or 315 as a prerequisite.

**Unit(s):** 1

### **CMSC 323 Design and Implementation of Programming Languages**

Concepts in design and implementation of programming languages, including compile-time and run-time issues. Support for block-structured procedural languages, object-oriented languages, and functional languages. Three lecture and one laboratory hour per week.

**Prerequisite(s):** Computer Science 301 and 315.

**Unit(s):** 1

### **CMSC 325 Database Systems**

Introduction to systematic management of data: design and implementation of relational databases, data modeling, normalization, indexing, relational algebra, query processing, and transaction management. Programming projects include substantial use of SQL and its extensions. Three lecture and one laboratory hour per week.

**Prerequisite(s):** Computer Science 221 and 222.

**Unit(s):** 1

### **CMSC 326 Simulation**

Introduction to simulation. Discrete-event simulation, Monte Carlo simulation, simulation of queuing and inventory systems, random number generation, discrete and continuous stochastic models, elementary statistics, point and interval parameter estimation, and input modeling techniques. Three lecture and one laboratory hour per week.

**Prerequisite(s):** Computer Science 222 and 301.

**Unit(s):** 1

### **CMSC 328 Numerical Analysis**

(See Mathematics 328.)

**Unit(s):** 1

### **CMSC 330 Theory of Computation**

Finite state machines, regular languages, push-down automata, and context-free languages. Turing machines, recursive functions, and related topics. Three lecture and one laboratory hour per week.

**Prerequisite(s):** Computer Science 315.

**Unit(s):** 1

### **CMSC 331 Introduction to Compiler Construction**



Regular languages, context-free languages, finite automata, push-down automata, lexical analysis, parsing, intermediate representation, and code generation. Three lecture and one laboratory hour per week.

**Prerequisite(s):** Computer Science 222 and 301.

**Unit(s):** 1

### **CMSC 332 Computer Networks**

Principles and techniques for data communication between computers. Topics include design and analysis of communication protocols, routing, congestion control, network-centric applications, and recent advances. Three lecture and one laboratory hour per week.

**Prerequisite(s):** Computer Science 301.

**Unit(s):** 1

### **CMSC 333 Parallel Programming**

Principles and techniques for programming computers that have multiple processors. Writing programs for parallel computers that enhance run-time efficiency, portability, correctness, and software modifiability. Three lecture and one laboratory hour per week.

**Prerequisite(s):** Computer Science 222 and 301.

**Unit(s):** 1

### **CMSC 334 Computer Security**

Theory, mechanisms, and implementation of computer security and data protection. Topics include encryption and authentication, program and language security, operating system security, and network security. Three lecture and one laboratory hour per week.

**Prerequisite(s):** Computer Science 301 (corequisite).

**Unit(s):** 1

### **CMSC 335 Computer Graphics**

Device independent two- and three-dimensional computer graphics, interactive graphics, user interfaces, and human factors. Consideration of advanced modeling and rendering. Three lecture and one laboratory hour per week.

**Prerequisite(s):** Mathematics 245 and Computer Science 222 and 301.

**Unit(s):** 1

### **CMSC 340 Directed Independent Study**

To enable well-qualified students who have completed basic requirements for major to work independently in areas not included in curriculum.

**Prerequisite(s):** Permission of departmental chair and instructor.

**Unit(s):** .25-1

### **CMSC 395 Selected Topics**

Selected topics in Computer Science

**Prerequisite(s):** Permission of Instructor

**Unit(s):** .5-1

### **CMSC 388 Individual Internship**

No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25-1

### **CMSC 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

## **Criminal Justice**

### **Department of Sociology and Anthropology**

*Joan L. Neff, Coordinator (Sociology)*

*Associate Professor Neff*

*Assistant Professor Briddell*

*Professionals from the field are employed as adjunct faculty.*

The criminal justice major is an interdisciplinary program designed to provide students with a basic understanding of significant issues in the criminal justice system. Students majoring in criminal justice select courses together with their advisor. Upon completion of the major, students are prepared to enter a variety of fields, such as law enforcement, correctional counseling, probation and parole counseling, and criminal justice administration. In addition, many students elect to continue their education by pursuing graduate degrees in criminal justice, public administration, social work, sociology, or law.

Upper-level courses are taught on a rotating basis.

### The Criminal Justice Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.7).

10 units, including

SOC 207 Crime and Justice in a Post-Modern Society

One course in philosophy, chosen from

PHIL 260 Philosophical Problems in Law and Society

PHIL 364 Philosophy of Law

One course in political science, chosen from

PLSC 331 Constitutional Law

PLSC 333 Civil Rights/Liberties

PLSC 337 The American Legal System

One course in social science research methods, chosen from

SOC 211 Sociological Research Methods and Data Analysis

PLSC 373 Methods for Public Policy Research

CJ 490 Senior Seminar

Five elective units, chosen from above or

CJ 320 Fundamentals of Criminal Law

CJ 321 Fundamentals of Criminal Procedure

CJ 330 Victims and the Justice System

CJ 379 Selected Topics

CJ 388 Individual Internship

CJ 400 Directed Independent Study

CJ 450 Research Practicum

PHIL 260 Philosophical Problems in Law and Society

PHIL 364 Philosophy of Law

PLSC 331 Constitutional Law

PLSC 333 Civil Rights/Liberties

PLSC 337 The American Legal System

PSYC 319 Psychopathology

PSYC 436 Developmental Psychopathology

SOC 305 Conformity, Deviance and Institutions of Social Control

SOC 311 Juvenile Delinquency

SOC 313 Field Investigation of the Juvenile and Adult Criminal Justice Systems

SOC 324 Law and Society

**Note:** A course used to satisfy a core requirement may not also be used as an elective unit.

### The Criminal Justice Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.7).

5 units, including

SOC 207 Crime and Justice in a Post-Modern Society

One course in philosophy, chosen from

PHIL 260 Philosophical Problems in Law and Society

PHIL 364 Philosophy of Law

One course in political science, chosen from

PLSC 331 Constitutional Law

PLSC 333 Civil Rights/Liberties

PLSC 337 The American Legal System

Two elective units selected from the list of electives for the criminal justice major, excluding CJ 388, CJ 400 and CJ 450.

**Note:** A course used to satisfy a core requirement may not also be used as an elective unit.

Students are expected to fulfill all prerequisites necessary for courses within the major or minor. Prerequisites do not count toward the major or minor unless otherwise noted.

### Courses

#### CJ 320 Fundamentals of Criminal Law

Overview of general structure of substantive aspects of criminal law in the United States. Analyzes concepts of law and crime. Discusses objectives of criminal law and distinction between crimes and civil wrongs.

**Prerequisite(s):** Political Science 331, 333, or 337 or Sociology 207 or 311; or permission of program coordinator.

**Unit(s):** 1

**CJ 321 Fundamentals of Criminal Procedure**

Overview of procedural aspects of criminal law in the United States. Focuses on processing of criminal cases through the legal system and rules applied and decisions made at each point in the process.

**Prerequisite(s):** Political Science 331, 333, or 337 or Sociology 207 or 311; or permission of program coordinator.

**Unit(s):** 1

**CJ 330 Victims and the Justice System**

Overview and analysis of the historical treatment of crime victims by society, law enforcement, courts and corrections. Special emphasis will be given to various types of victimizations, including violent, hate, and internet crimes, school violence, and crimes against women, the elderly, minorities, and children.

**Prerequisite(s):** Political Science 331, 333, or 337 or Sociology 207, 311, 313, or 324 or permission of instructor.

**Unit(s):** 1

**CJ 379 Criminal Justice: Selected Topics**

Varying topics of current relevance and interest in the field of criminal justice. May be repeated for credit if topics differ.

**Prerequisite(s):** Political Science 331, 333, or 337 or Sociology 207, 305, 311, 313, or 324; or permission of program coordinator.

**Unit(s):** 1

**CJ 388 Individual Internship**

Supervised independent field work. Not available for minor credit. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Permission of program coordinator.

**Unit(s):** .5-1

**CJ 400 Directed Independent Study**

Individually-designed in-depth study of a specific topic in criminal justice. Not available for minor credit.

**Prerequisite(s):** Permission of program coordinator.

**Unit(s):** .5

**CJ 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**CJ 450 Research Practicum**

Student-designed research project. Not available for minor credit.

**Prerequisite(s):** Permission of program coordinator.

**Unit(s):** .5-1

**CJ 490 Criminal Justice Senior Seminar**

In-depth discussion and analysis of major components of the criminal justice system: police, courts, and corrections.

**Prerequisite(s):** Senior status in the criminal justice major or permission of program coordinator.

**Unit(s):** 1

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**Cultures and Languages Across the Curriculum**

Cultures and Languages Across the Curriculum (CLAC) offers quarter unit, pass/fail courses in a

variety of languages. CLAC sections are small discussion groups taught by a faculty member well versed in a second language or by selected international or bilingual students called CLAC Assistants. All CLAC sections are offered in conjunction with primary courses throughout the curriculum, including core, political science/social sciences, arts/literatures, science/health, business administration, continuing studies, and leadership. The purpose of CLAC sections is to ensure that Richmond students acquire cross-cultural competency through the use of their language skills in the context of another discipline. CLAC students will generally meet once a week for a roundtable discussion of assignments in the target language, accommodating the range of fluency present among the students. Some faculty might choose to provide students with the opportunity to complete research projects instead of the weekly meetings. A CLAC course will not count toward a major or minor. No more than one unit of CLAC credit may count toward the total number of units required for a degree.

#### Courses

##### **CLAC 250 Spanish: Cultures and Language Across the Curriculum**

Students will be guided in their study and discussion of authentic Spanish materials relevant to materials in the primary course. Pass/fail grade only.

**Prerequisite(s):** COM2 proficiency in Spanish or permission of instructor and registration in the course to which the CLAC section is connected or having taken the primary course in the past. Some exceptions might be made.

**Unit(s):** .25

##### **CLAC 251 French: Cultures and Language Across the Curriculum**

Students will be guided in their study and discussion of authentic French materials relevant to materials in the primary course. Pass/fail grade only.

**Prerequisite(s):** COM2 proficiency in French or permission of instructor and registration in the course to which the CLAC section is connected or having taken the primary course in the past. Some exceptions might be made.

**Unit(s):** .25

##### **CLAC 252 Italian: Cultures and Language Across the Curriculum**

Students will be guided in their study and discussion of authentic Italian materials relevant to materials in the primary course. Pass/fail grade only.

**Prerequisite(s):** COM2 proficiency in Italian or permission of instructor and registration in the course to which the CLAC section is connected or having taken the primary course in the past. Some exceptions might be made.

**Unit(s):** .25

##### **CLAC 253 German: Cultures and Language Across the Curriculum**

Students will be guided in their study and discussion of authentic German materials relevant to materials in the primary course. Pass/fail grade only.

**Prerequisite(s):** COM2 proficiency in German or permission of instructor and registration in the course to which the CLAC section is connected or having taken the primary course in the past. Some exceptions might be made.

**Unit(s):** .25

##### **CLAC 254 Russian: Cultures and Language Across the Curriculum**

Students will be guided in their study and discussion of authentic Russian materials relevant to materials in the primary course. Pass/fail grade only.

**Prerequisite(s):** COM2 proficiency in Russian or permission of instructor and registration in the course to which the CLAC section is connected or having taken the primary course in the past. Some exceptions might be made.

**Unit(s):** .25

##### **CLAC 255 Chinese: Cultures and Language Across the Curriculum**

Students will be guided in their study and discussion of authentic Chinese materials relevant to materials in the primary course. Pass/fail grade only.

**Prerequisite(s):** COM2 proficiency in Chinese or permission of instructor and registration in the course to which the CLAC section is connected or having taken the primary course in the past. Some exceptions might be made.

**Unit(s):** .25

##### **CLAC 256 Japanese: Cultures and Language Across the Curriculum**

Students will be guided in their study and discussion of authentic Japanese materials relevant to materials in the primary course. Pass/fail grade only.

**Prerequisite(s):** COM2 proficiency in Japanese or permission of instructor and registration in the course to which the CLAC section is connected or having taken the primary course in the past. Some exceptions might be made.

**Unit(s):** .25

**CLAC 257 Cultures and Language Across the Curriculum: Other**

Students will be guided in their study and discussion of authentic materials in another language relevant to materials in the primary course. Pass/fail grade only.

**Prerequisite(s):** Permission of department and registration in the course to which the CLAC section is connected or having taken the primary course in the past. Some exceptions might be made.

**Unit(s):** .25

**CLAC 388 CLAC Internship**

Selected CLAC assistants lead Languages Across the Curriculum sections of courses in various languages. Internship credit does not count toward a major or minor in the language. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Registration in the course to which the CLAC section is connected or having taken the primary course in the past, selection by CLAC faculty coordinator and approval of the primary course instructor.

**Unit(s):** .25

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## Dance

### Department of Theatre and Dance

*Dorothy Holland, Chair*  
*Associate Professors Holland, Mike, Schoen, West*  
*Assistant Professor Herrera, Stegmeir, White*  
*Assistant Director of Costume and Makeup Hogg*  
*Director of Dance Daleng*  
*Assistant Director of Dance Van Gelder*  
*Each year two professional guest artists join the*

*faculty to work with students and in productions. Additional professionals from the field also are employed as adjunct faculty members.*

### The Dance Major

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.7). Upper-level courses are taught on a rotating basis.

11 units, including

History/Theory, two units

DANC 230 Dance History/Theory I

DANC 240 Dance History/Theory II

Choreography, two units

DANC 255 Choreography I

DANC 335 Choreography II

Human Kinetics for Dance, one unit

DANC 320 Human Kinetics for Dance  
(Science of Movement)

Technical Theatre/Lighting or Costume Design, one unit chosen from

THTR 202 Stage Lighting

THTR 206 Introduction to Costume

THTR 322 Advanced Costume Design

Technique, four units chosen from

DANC 367 Topics in Dance Techniques

Elective, one unit

Music, Studio Art, or Art History

Majors must take a minimum of eight classes in DANC 367 for .5 unit each as selected topics in ballet, jazz, modern, tap, dance improvisation, and contact improvisation as DANC 367. No student may take the same technique class at the same level more than once for credit with the exception of University Dancers. Majors will be required to take a minimum of two classes at the advanced level. Majors will not be required to write research papers in performance classes if taken as DANC 367 but will be required to complete all other course expectations.

**Note:** Theatre 330-341 (Practica) and Theatre 388 (Individual Internship) cannot be counted toward the dance major. No course units can be counted toward both a major in dance and a minor in theatre.

### The Dance Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.7). Upper-level courses are taught on a rotating basis.



6 units, including

History/Theory, one unit chosen from

DANC 230 Dance History/Theory I

DANC 240 Dance History/Theory II

DANC 255 Choreography I

Performance, two units chosen from

DANC 238 Introduction to Contact

Improvisation

DANC 248 Introduction to Movement

Improvisation

DANC 256 Beginning Jazz Dance

DANC 257 Beginning Ballet

DANC 258 Writing from the Body: Words and Movement

DANC 259 Beginning Tap Dance

DANC 260 Beginning Modern Dance

DANC 261 Intermediate Jazz Dance

DANC 262 Intermediate Tap Dance

DANC 263 Intermediate Modern Dance

DANC 266 Intermediate Ballet

DANC 306 University Dancers

DANC 316 Repertory

DANC 356 Pointe and Variations

DANC 361 Advanced Jazz Dance

DANC 362 Advanced Tap Dance

DANC 363 Advanced Modern Dance

DANC 366 Advanced Ballet

Technical Theatre/Theatre Design, one unit chosen from

THTR 202 Stage Lighting

THTR 206 Introduction to Costume

THTR 322 Advanced Costume Design

Acting or Human Kinetics, one unit chosen from

DANC 320 Human Kinetics for Dance

THTR 212 Basics of Acting

**Note:** No course units can be counted twice. Theatre 330-341 (Practica) and Theatre 388 (Individual Internship) cannot be counted toward the dance minor.

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

### Related Fields

Interdisciplinary concentration in arts management for studio art, art history, music, theatre, and dance majors or minors

### Courses

#### **DANC 230 Dance History/Theory I**

Focuses on dance studies that use a theoretical and historical perspective based in dance and other movement practices as a means of analyzing dance within larger cultural contexts. Studies the development of dance in Western culture from its primitive beginnings through the Renaissance era. Integrates theory and practice as a means of heightening a scholarly inquiry.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

#### **DANC 238 Introduction to Contact Improvisation**

The practice and exploration of contact improvisation, an improvised movement form that relies on partners in constant physical dialog and connection. Class is devoted to developing balance, strength, flexibility, trust, support, weight-sharing, risk-taking, play, and body awareness. The class is ideal for students pursuing dance, theater, biology, psychology, or anyone wanting a physical challenge.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

#### **DANC 240 Dance History/Theory II**

Focuses on dance studies that use a theoretical and historical perspective based in dance and other movement practices as a means of analyzing dance within larger cultural contexts. Studies the development of dance in Western culture from the Baroque era through Modern dance. Integrates theory and practice as a means of heightening a scholarly inquiry.

**Prerequisite(s):** (FSVP)

**Unit(s):** 1

#### **DANC 248 Introduction to Movement Improvisation**

Focus on unraveling habitual ways of moving to discover impromptu motion and new patterns in groups, duets, and alone. A range of contemporary theoretical, artistic, and ethnographic techniques from American and international improvisers will be explored for strategies, techniques, motivations, and process.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**DANC 255 Choreography I**

Study of choreographic process covering fundamentals of movement composition. Studio time includes improvisation and choreography.

**Prerequisite(s):** Department approval.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**DANC 256 Beginning Jazz Dance**

Introduction to jazz dance as an eclectic form of artistic expression with emphasis on rhythm and technique. Students are required to critique live dance concerts as well as conduct research on a relevant topic.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**DANC 257 Beginning Ballet**

Introductory course in ballet as a theatrical art form. Study of basic ballet terminology, understanding of correct body placement, and a general knowledge of performing elementary ballet technique. Students are required to critique live dance concerts as well as conduct research on a relevant topic.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**DANC 258 Writing from the Body: Words and Movement**

Reflection on how one moves through the world and how experience gets articulated. Class is devoted to exercises that generate movement and writing, both used as gateways to the other.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**DANC 259 Beginning Tap Dance**

Introduction to tap dance, a theatrical form of artistic expression with development of a movement vocabulary based on rhythms made with taps. Students are required to critique live dance concerts as well as conduct research on a relevant topic.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**DANC 260 Beginning Modern Dance**

Introduction to modern dance as a diverse form of expression with development of language of movement. Students are required to critique live dance concerts as well as conduct research on a relevant topic.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**DANC 261 Intermediate Jazz Dance**

Continuation of beginning jazz, emphasizing intermediate technique, vocabulary, and style. Students are required to critique live dance concerts as well as conduct research on a relevant topic.

**Prerequisite(s):** Previous jazz technique.

**Unit(s):** 1

**DANC 262 Intermediate Tap Dance**

Continuation of beginning tap dance, emphasizing intermediate technique using movement to build strength and coordination. Syncopated rhythms are explored with the sounds of the taps. Students are required to critique live dance concerts as well as conduct research on a relevant topic.

**Prerequisite(s):** Previous tap dance technique.

**Unit(s):** 1

**DANC 263 Intermediate Modern Dance**

Continuation of beginning modern dance, emphasizing intermediate technique and development of an aesthetic vocabulary of contemporary modern dance. Students are required to critique live dance concerts as well as conduct research on a relevant topic.

**Prerequisite(s):** Previous modern dance technique.

**Unit(s):** 1

**DANC 266 Intermediate Ballet**

Continuation of beginning ballet, emphasizing intermediate technique and vocabulary. Students are required to critique live dance concerts as well as conduct research on a relevant topic.

**Prerequisite(s):** Previous ballet technique.

**Unit(s):** 1

**DANC 306 University Dancers**

Technique, rehearsal, and performance of dance works choreographed by dance faculty, students, and visiting choreographers. May be repeated for credit.

**Prerequisite(s):** Audition or invitation of director.

**Unit(s):** .5

**DANC 312 Special Topics in Dance**

Offered on an as-needed basis. Representative topics include ballet, jazz, modern, tap, dance history, advanced choreography, dance theory, music for dancers, kinesiology, and pointe.

**Unit(s):** .5-1

**DANC 315 Independent Study**

Restriction: Prospectus must be submitted and approved prior to the end of advance registration.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .5-1

**DANC 316 Repertory**

Students in the repertory class are members of University Dancers, and will spend the fall semester learning, rehearsing, and collaborating on a new piece of choreography by one of the University of Richmond's dance faculty or a guest artist.

**Prerequisite(s):** Dance 306 (corequisite).

**Unit(s):** .5

**DANC 320 Human Kinetics for Dance**

The science of human movement and knowledge of the skeletal and muscular structures which is a valuable tool in a dancer's growth. Focus on how the body functions and moves as the students develop an objective and realistic sense of their strengths and weakness. An approach that applies principles towards the anatomical analysis, assessment, function, preservation and enhancement of human movement.

**Unit(s):** 1

**DANC 335 Choreography II**

Continuation of Choreography I, developing choreographic ideas with an emphasis on the exploration of different approaches to choreographic forms, building on themes and style in group studies.

**Prerequisite(s):** Dance 255.

**Unit(s):** 1

**DANC 356 Pointe and Variation**

For advanced ballet students to continue training in pointe work. Study of classical variations in a historical context and performance of these variations in an informal showing. Students are required to critique live dance concerts as well as conduct research on a relevant topic.

**Prerequisite(s):** Must be able to dance on pointe at the intermediate or advanced level.

**Unit(s):** 1

**DANC 361 Advanced Jazz Dance**

Continuation of intermediate jazz, emphasizing advanced technique, vocabulary, and style. Students are required to critique live dance concerts as well as conduct research on a relevant topic.

**Prerequisite(s):** Previous intermediate jazz technique.

**Unit(s):** 1

**DANC 362 Advanced Tap Dance**

Continuation of intermediate tap dance, emphasizing advanced technique using movement to build strength and coordination. Syncopated rhythms are explored with the sounds of the taps. Students are required to critique live dance concerts as well as conduct research on a relevant topic.

**Prerequisite(s):** Previous intermediate tap dance technique.

**Unit(s):** 1

**DANC 363 Advanced Modern Dance**

Continuation of intermediate modern dance, emphasizing advanced technique and developing an aesthetic vocabulary of contemporary modern dance. Students are required to critique live dance concerts as well as conduct research on a relevant topic.

**Prerequisite(s):** Previous intermediate modern dance technique.

**Unit(s):** 1

**DANC 366 Advanced Ballet**

Continuation of intermediate ballet, emphasizing advanced technique and vocabulary. Students are required to critique live dance concerts as well as

conduct research on a relevant topic.

**Prerequisite(s):** Previous intermediate ballet technique.

**Unit(s):** 1

### **DANC 367 Topics in Dance Techniques**

Selected topics in ballet, jazz, modern, tap, dance improvisation, and contact improvisation for dance majors. Must be repeated eight times to fulfill the major requirements however no student can take the same technique at the same level more than once for credit with the exception of University Dancers.

**Unit(s):** .5

### **DANC 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

## **Economics**

### **Department of Economics**

*Dean Croushore, Chair*

*Professors Croushore, Dolan, McGoldrick, Schmidt, Wight*

*Associate Professors Craft, Dean, Monks, Nicholson, Yates*

*Assistant Professors Buyukkarabacak, Mago, Mykhaylova*

### **The Economics Major for the Bachelor of Arts Degree**

**Note:** A grade point average of C (2.00) is required in the major with no course grade below a C- (1.7) in an economics course required for the major.

11 units, including  
ECON 101 Principles of Microeconomics

ECON 102 Principles of Macroeconomics  
ECON 271 Microeconomic Theory  
ECON 272 Macroeconomic Theory  
Four units of economics electives (at least two of which must be at the 300 level)  
ECON 480 Senior Capstone Seminar or ECON 491 Honors Thesis in Economics  
BUAD 201 and 301 or MATH 329 and 330

**Note:** Majors are strongly encouraged to take Economics 101 and 102 during their first year, and Economics 271 and 272 during their second year. A basic foundation in calculus (e.g., MATH 211 or MATH 231) is required for Economics 271.

Students may plan their course load to pursue a general major in economics or to study a specific area in economics. Voluntary elective fields have been developed in the areas of business economics, international economics, economic history, public policy, and quantitative economics. Students are encouraged to speak with their academic advisor about the options available to them. Students interested in pursuing a graduate degree in economics are encouraged to seek advice concerning the honors program in economics, the combined major in mathematical economics, and/or taking MATH 235 Multivariate Calculus, MATH 312 Differential Equations, and MATH 245 Linear Algebra.

### **The Economics Minor**

**Note:** A grade point average of C (2.00) is required in the minor with no grade less than C- (1.7).

6 units, including  
ECON 101 Principles of Microeconomics  
ECON 102 Principles of Macroeconomics  
ECON 271 Microeconomic Theory  
ECON 272 Macroeconomic Theory  
Two units of economics electives (at least one of which must be at the 300 level)

A basic foundation in calculus (e.g., MATH 211) is required for Economics 271

### **Related Majors**

- Mathematical Economics
- International Studies: International Economics
- Economics (B.S.B.A. degree)
- Business Administration

## Courses

### **ECON 101 Principles of Microeconomics**

Provides students with the analytical perspective to think critically about the market system and social objectives it may serve. Topics include supply and demand, market structure, production, market failure (e.g., pollution), and benefits and costs of government intervention.

**General Education Requirement:** (FSSA)

**Unit(s):** 1

### **ECON 102 Principles of Macroeconomics**

The study of national income determination within a global economy. Topics include inflation, unemployment, GDP determination, money supply, balance of payments, currency markets and role of fiscal and monetary policies. Students who have not taken Economics 101 should notify their instructor on the first class day and will be required to spend extra time outside of class on supply and demand.

**Prerequisite(s):** Economics 101 is recommended but not required.

**Unit(s):** 1

### **ECON 105 Introduction to Global Economics**

Survey of international economic issues for nonmajors. The U.S.'s role in the global economy is covered analytically, historically, and institutionally, with special attention given to balance of payments analysis, exchange rate determination, gains from trade, trade policy, the IMF, GATT, and other topics. Note: This course has no prerequisites and fulfills no prerequisites for other economics or business courses. Cannot be used as an elective toward the arts and sciences or business school economics major or toward the business administration major. Students with majors in the School of Business may not register for ECON 105.

**Unit(s):** 1

### **ECON 200 The Economics of Money, Banking and Financial Markets**

Role and functions of money; operation of financial institutions; structure and influence of Federal Reserve System; effects of money and credit on economic activity.

**Prerequisite(s):** Economics 101 and 102.

**Unit(s):** 1

### **ECON 201 Games and Experiments in Economics**

Introduction to game theory. Based on a scientific metaphor that many interactions that we do not usually think of as games such as market competition, collusion, auctions, elections, bargaining can be treated and analyzed as games. Study of how to recognize and model strategic situations, how and when their actions will affect the decisions of others, and how to gain advantage in strategic situations.

**Prerequisite(s):** ECON 101

**Unit(s):** 1

### **ECON 210 The Economics of the European Union**

Comparative analysis of European and United States' economics systems, including a review of the evolution of the European Union. Although the scope of the course is primarily European, Japan and China also are studied.

**Prerequisite(s):** Economics 101 and 102.

**Unit(s):** 1

### **ECON 211 Economic Development in Asia, Africa and Latin America**

Comparative analysis of economic growth, income and wealth distribution, trade and finance, population, agriculture, and industrialization in Latin America, Africa, and Asia.

**Prerequisite(s):** Economics 101 and 102.

**Unit(s):** 1

### **ECON 220 History of Economic Thought**

Survey of development of economic analysis with emphasis on contributions from Adam Smith through J.M. Keynes.

**Prerequisite(s):** Economics 101 and 102.

**Unit(s):** 1

### **ECON 221 American Economic History**

Use of economic theory and methods to study American history with special emphasis on economic growth. Topics include Native American development up to the arrival of Europeans, transportation revolutions, slavery, agriculture and monetary controversies in the late 19th century, health and nutrition, immigration, technological change, the Great Depression and New Deal, and



civil rights.

**Prerequisite(s):** Economics 101 and 102.

**Unit(s):** 1

**ECON 230 Environmental Economics**

Development and application of economic principles to understand and evaluate causes and solutions to environmental problems such as pollution and conservation. Topics include economics of biodiversity protection, global warming, natural resource damage assessment, measurement of environmental values, and alternative strategies for pollution control. Special attention given to optimal use of exhaustible and renewable natural resources. (Same as Environmental Studies 230).

**Prerequisite(s):** Economics 101.

**Unit(s):** 1

**ECON 231 Law and Economics**

Application of economic analysis to legal concepts. Using goals of efficiency and wealth maximization, shows how economic theory can unify property law, contract law, tort law, criminal law, and family/sex law, as well as offer new insights to old problems.

**Prerequisite(s):** Economics 101.

**Unit(s):** 1

**ECON 232 The Economics of Gender**

Uses economic methods to explore how gender differences lead to different economic outcomes for men and women, both within families and in the marketplace. Topics include allocation of time between the household and the labor market, consequences of employment for family structure, theories of discrimination, and occupational segregation. Historical trends and cross-cultural comparisons are discussed at length. Policy areas include antipoverty programs, comparable worth, affirmative action, antidiscrimination legislation, parental leave, and provision of child care. While the focus of the analysis of gender and economics is on the U.S., such findings are not universal and the semester concludes with international comparisons that demonstrate important differences.

**Prerequisite(s):** Economics 101 and 102.

**Unit(s):** 1

**ECON 233 Ethics and Economics**

Explores ethical considerations that arise in economic analyses. In positive economics, how are choices informed by considerations of duty or virtue (in addition to utility)? In normative economics, how do concepts of welfare and efficiency derive from ethical theories, and how have these changed over time? What competing ethical theories add to our understanding of public policy issues? Preparation for a complex world when economic analysis is viewed as complementary to a critical-thinking process about ethical frameworks. Addresses additional questions such as: What is the moral philosophy behind capitalism? What are the moral limits to markets? Do businesses create and rely upon moral capital?

**Prerequisite(s):** Economics 101.

**Unit(s):** 1

**ECON 260 Selected Economic Topics**

Major areas in economics, application of economic principles, and analysis of policy issues.

**Prerequisite(s):** Economics 101 and 102.

**Unit(s):** .5-1

**ECON 269 Independent Study**

Specialized study or directed research in an area of economics.

**Prerequisite(s):** A written outline worthy of academic credit and permission of department chair.

**Unit(s):** .5-1

**ECON 271 Microeconomic Theory**

Theory of price determination in both output and input markets; in-depth analysis of behavior of individual consumers, firms, and industries under various market structures; theories of exchange and distribution.

**Prerequisite(s):** Economics 101 and 102 and Mathematics 211.

**Unit(s):** 1

**ECON 272 Macroeconomic Theory**

Theory of national income determination; short/medium-run monetary and fiscal policy issues are examined using Keynesian and New Classical models; long-run analysis focuses on recent extensions of the neoclassical growth model.

**Prerequisite(s):** Economics 101 and 102.

**Unit(s):** 1

**ECON 300 Industrial Organization and Public Policy**

Designed to identify features of industries with various degrees of competition. Issues to be explored include: identifying dominant firm, tight or loose oligopoly, competitive, and monopoly industries; product vs. geographic markets; technological innovations; collusion, product differentiation; mergers; advertising; efficiency; price discrimination; etc. In addition, antitrust policies will be reviewed as they pertain to these issues.

**Prerequisite(s):** Economics 271.

**Unit(s):** 1

**ECON 310 International Trade and Finance**

Introduction to basic argument for free trade with emphasis on general equilibrium analysis; survey of trade restrictions including theory on tariffs, quotas, subsidies, and preferential trade agreements. International monetary theory; determination of exchange rates in spot and forward markets; extension of national income model to international markets.

**Prerequisite(s):** Economics 271.

**Unit(s):** 1

**ECON 330 Environmental and Resource Economic Theory**

A rigorous treatment of environmental and resource issues, with particular emphasis on problem of designing appropriate institutions and regulations under uncertainty. Topics include emission fees and marketable permits; enforcement, risk regulation, the economics and regulation of the fishery; depletion of nonrenewable resources; and forest use. (Same as Environmental Studies 330.)

**Prerequisite(s):** Economics 271.

**Unit(s):** 1

**ECON 331 Labor Economics**

Economic analysis of labor markets including labor supply, investment in human capital, labor demand, and wage determination. Policy issues include labor unions, discrimination, and analysis of government programs affecting labor markets.

**Prerequisite(s):** Economics 271.

**Unit(s):** 1

**ECON 332 Public Economics**

Economic analysis of government spending and taxation with particular emphasis on current public policy issues (e.g., social security, health care and fundamental income tax reform).

**Prerequisite(s):** Economics 271.

**Unit(s):** 1

**ECON 333 Federal Reserve Challenge Preparation**

Analysis of current macroeconomic events and how they affect monetary policy decisions. Students prepare for the Fed Challenge, competing for a position on the team based on their knowledge of current events, the determinants of monetary policy, and communication skills. The team also is responsible for economic conditions reports and presentations that support the activities of the RSB Student-Managed Investment Fund.

**Prerequisite(s):** Economics 200 or 272 and permission of instructor.

**Unit(s):** .25

**ECON 334 Federal Reserve Challenge Competition**

Analysis of current macroeconomic events and how they affect monetary policy decisions. Select students prepare and present a mock policy briefing in the Fed Challenge competition at the Federal Reserve Bank of Richmond. The team also is responsible for economic conditions reports and presentations that support the activities of the RSB Student-Managed Investment Fund.

**Prerequisite(s):** Economics 200 or 272 and permission of instructor

**Unit(s):** .25

**ECON 340 Econometrics**

Development of the theory, methodology, and application of econometric topics of the classical linear regression model as well as model extensions, including dummy and limited-dependent variables, time-series analysis, forecasting and simultaneous equation systems. Excel, SPSS, and SAS are used in weekly computer lab sessions.

**Prerequisite(s):** Economics 101 and 102 and Business Administration 301 or Mathematics 330.

**Unit(s):** 1

**ECON 341 Mathematical Economics**

Examines various economic concepts by means of mathematical analysis.

**Prerequisite(s):** Economics 271, and Mathematics 212 or 232.

**Unit(s):** 1

**ECON 360 Selected Economic Topics**

Major areas in economics, application of economic principles, and analysis of policy issues.

**Prerequisite(s):** A core course to be announced.

**Unit(s):** .5-1

**ECON 369 Independent Study**

Specialized study or directed research in an area of economics.

**Prerequisite(s):** Economics 271 or 272, a written outline worthy of advanced credit and permission of department chair.

**Unit(s):** .5-1

**ECON 372 Advanced Macroeconomics**

Examination of selected topics in macroeconomics beyond the basic theory level covered in Economics 272. Topics may include forecasting, time-series econometrics, growth theory, analysis of dynamic, stochastic general-equilibrium models, and open-economy macroeconomics.

**Prerequisite(s):** Economics 272 and Business Administration 301.

**Unit(s):** 1

**ECON 480 Senior Capstone Seminar**

Utilizes theoretical and applied economic models from previous economics courses. Semester assignments guide students through a major research project of one of the following forms: contemporary economic analysis, historical economic analysis, viewpoints in economic analysis, or quantitative economic analysis. Students develop an economic question; gain access to existing knowledge; demonstrate command of existing knowledge; use existing knowledge to explore an issue of interest;

understand the steps to complete a substantial research project; and sharpen written communication skills. Note: Participation in the honors program fulfills the capstone requirement.

**Prerequisite(s):** Economics 271 and 272, Business Administration 301, and senior standing.

**Unit(s):** 1

**ECON 490 Honors Seminar in Economics**  
Honors seminar.

**Prerequisite(s):** Departmental invitation.

**Unit(s):** 1

**ECON 491 Honors Thesis in Economics**

Capstone independent research project and honors paper. Note: Participation in the honors program fulfills the capstone requirement.

**Prerequisite(s):** Departmental invitation.

**Unit(s):** 1

## Education

### Department of Education

*Patricia Stohr-Hunt, Chair*  
*Associate Professor Brown*  
*Assistant Professor Stohr-Hunt*  
*Director of Instructional Technology Bray*  
*Director of Reading Leahy*  
*Director of Curriculum Materials Center (CMC) Leeper*  
*Director of Field Placement Wheeler*

### Mission and Goals

Undergraduate teacher education at the University of Richmond is a campus-wide responsibility, designed to ensure that all of our students are knowledgeable professionals who possess both a theoretical and practical knowledge base. Students acquire a broad undergraduate background of essential intellectual skills through the liberal arts and sciences based on the University's general education requirements, upon which students then build concentrated study in their major field of study.

The mission of the Teacher Preparation Program at the University of Richmond is to improve the understanding and practice of teaching and learning in preK-12 environments through reflective thought. Graduates are prepared to apply deep and broad content knowledge through multiple pedagogies in diverse settings while demonstrating a commitment to professionalism.

Based on this mission, the goals for the education minor are:

**Goal 1**

Develop candidates who are knowledgeable about learners and are able to employ instructional strategies that meet the needs of all students, including students with disabilities, gifted students, students with limited proficiency in English, and students with diverse cultural needs.

**Goal 2**

Develop candidates who have a rich understanding of the subject(s) they teach and appreciate how knowledge in their subject is created, organized, linked to other disciplines, and applied to real-world settings.

**Goal 3**

Develop candidates who are able to employ best practices in the planning, delivery, and assessment of instruction so that they may transform content for teaching purposes in ways that make it accessible and meaningful to students.

**Goal 4**

Develop candidates who have the knowledge and skills to bring the highest levels of professionalism to their practice as instructional leaders and have the disposition to reflect upon and change that practice as necessary.

**State-Approved Programs at the University of Richmond**

The Teacher Preparation Program at the University of Richmond prepares teachers for licensure in Elementary Education (preK-6), Secondary Education (6-12) or Comprehensive Education (preK-12). The University of Richmond was first granted an Approved Teacher Education Program by the Virginia State Board of Education in 1972. Since that time the University's Department of Education has maintained approved program status and, as such, participates in reciprocity of licensure with states that have interstate agreements with Virginia. Currently Virginia has licensure reciprocity with 48 states, territories and the District of Columbia.

In order for programs to remain current with licensure regulations as mandated by the Virginia State Department of Education, the requirements as stated may be subject to change. Please check with the department for the most recent version of licensure and endorsement requirements.

**Title II Results**

In October 1998, the U.S. Congress enacted amendments to the Higher Education Act (HEA). As amended, Title II of the HEA included new accountability measures and reporting requirements for institutions and states on teacher preparation and licensing. Each year the University of Richmond is required to submit an Institutional Report that contains:

- Program completer pass rates
- Basic features of the teacher preparation program
- Whether the teacher preparation program has been classified as "low performing"
- Supplemental information the institution believes is important to providing necessary context

For the most current copies of the University Institutional Report, visit our Web site at: [education.richmond.edu](http://education.richmond.edu).

**Education Minor**

Because licensure regulations in the state of Virginia do not allow students to major in education, education is not an academic major at the University of Richmond. Students may therefore minor in one of three areas in education.

Please note that students completing the minor are NOT automatically eligible for a teaching license. Students who wish to be licensed must be formally admitted to the Teacher Preparation Program and successfully complete student teaching and the student teaching seminar.

**Elementary Education (preK-6)**

8.5 units, including  
 EDUC 205 Foundations of Education  
 EDUC 207 Diverse Learners and Environments  
 EDUC 250 Introduction to Instructional Technology  
 EDUC 306 Integrated Curriculum Methods  
 EDUC 310 Emergent Literacy

EDUC 311 Instructional Level Literacy  
 EDUC 327 Foundations of Math Instruction  
 EDUC 365 Elementary Reading Practicum  
 EDUC 366 General Elementary Practicum  
 EDUC 375 Classroom and Behavior Management

### Secondary Education (6-12)

6.5 units, including

EDUC 205 Foundations of Education  
 EDUC 207 Diverse Learners and Environments  
 EDUC 250 Introduction to Instructional Technology  
 EDUC 342 Secondary Curriculum Methods  
 EDUC 352 Content Area Literacy  
 EDUC 367 Middle School Practicum  
 EDUC 368 Secondary School Practicum  
 EDUC 375 Classroom and Behavior Management

### Comprehensive Education (preK-12)

6.5 units, including

EDUC 205 Foundations of Education  
 EDUC 207 Diverse Learners and Environments  
 EDUC 250 Introduction to Instructional Technology  
 EDUC 342 Secondary Curriculum Methods  
 EDUC 352 Content Area Literacy  
 EDUC 367 Middle School Practicum  
 EDUC 368 Secondary School Practicum  
 EDUC 375 Classroom and Behavior Management

### Becoming a Licensed Teacher

Students interested in becoming teachers should contact the Department of Education to meet with the Chair to discuss program requirements. All students seeking licensure must be formally admitted to the Teacher Preparation Program. Admission requires:

- A completed application form
- A Statement of Intent
- An official score report for Praxis I or its equivalent
- Evidence of a minimum cumulative grade point average of 2.70

Upon admission, students engage in a series of professional courses and field experiences that serve as the foundation of their program. These include:

- Professional Courses: Foundations of Education, Diverse Learners and Environments, Introduction to Instructional Technology and Classroom and Behavior Management

- Field Experience: Integrated course-related practica and observation experiences
- Program-Specific Courses: Courses vary depending on the level and area of endorsement
- Student Teaching: Fifteen weeks of full-time experience in local school divisions
- Student Teaching Seminar

All formally accepted students must maintain a grade point average of 3.00 in education and a cumulative grade point average of 2.70 to remain in the program and be eligible for student teaching. No more than one grade of C is allowed in education coursework. Therefore, students who earn more than one grade of C in education courses must repeat those courses and earn higher grades or they will not be permitted to remain in the program.

Students wishing to apply for licensure must complete the requirements for the minor, student teaching, the student teaching seminar, and any additional courses required for subject area endorsements.

### Licensure Chronology

With careful planning, most students can complete all degree and licensure requirements in four years. In some cases, students may choose to return for the student teaching semester after graduation.

#### Year One

Students interested in becoming licensed to teach should contact the Department of Education to meet with the Chair to discuss program requirements. Students may begin courses in the education sequence. If necessary, students should arrange to take the Praxis I exam before the end of their first year.

#### Year Two

Students must submit a formal application to the program and return the completed forms to the Department of Education no later than October 15 of the fall semester or March 15 of the spring semester. Students continue with courses in the education sequence appropriate to the minor they have declared. Students must register to take the Virginia Communication and Literacy Assessment (VCLA) exam by the end of the academic year.



**Year Three**

Students continue with courses in the education sequence appropriate to the minor they have declared. Students planning to student teach during the fall semester of their senior year must:

- Attend a spring orientation session and submit the student teaching application
- Complete all testing requirements for licensure
- Maintain a cumulative grade point average of 2.70, and a grade point average of 3.00 in education

**Year Four**

Students complete the semester-long student teaching experience and accompanying seminar in either the fall or spring semester. Students must also complete a Career Development Center placement file and licensure application forms. Students planning to student teach during the spring semester of their senior year must:

- Attend a fall orientation session and submit the student teaching application
- Complete all testing requirements for licensure
- Maintain a cumulative grade point average of 2.70, and a grade point average of 3.00 in education.

Please note that the Department of Education will forward applications and recommendations for licensure only for those students who complete the student teaching experience through the University of Richmond.

**Requirements for Endorsement Areas**

For all endorsement areas, students seeking a particular endorsement must meet the requirements of that major. For some endorsement areas, additional courses are required outside of the subject major and education minor to meet endorsement competencies. Requirements for each endorsement area are listed below.

**Dance Arts Endorsement (preK-12)**

Students seeking the dance arts endorsement must meet the requirements of the dance major.

**Elementary Endorsement (preK-6)**

Students seeking the elementary endorsement MUST complete the requirements for ANY liberal arts major. Students majoring only in business or leadership studies are NOT eligible for an elementary teaching license in Virginia. It is highly recommended, though not required, that students seeking the elementary endorsement complete the following additional courses.

- ENGL 203 Children's Literature
- ENGL 382 The Art of Writing: Aims, Modes, Process

**English Endorsement (6-12)**

Students seeking the English endorsement must meet the requirements of the English major or one of the following combined majors: English/Classical Studies, English/French, English/German, English/Greek, English/Latin, English/Russian, English/Theatre, English/Women, Gender and Sexuality Studies. Additionally, the following courses are required:

- One Shakespeare course selected from ENGL 234 or ENGL 304
- ENGL 382 The Art of Writing: Aims, Modes, Process

**Foreign Language Endorsements (preK-12)**

Students seeking a language endorsement must meet the requirements of the major in French, German Studies, Latin, or Latin American and Iberian Studies. Additionally, the following courses are required:

***French, German, and Latin American and Iberian Studies***

- MLC 410 The Teaching of a Modern Second Language

***Latin***

- LATN 411 The Teaching of High School Latin

**History and Social Sciences Endorsement (6-12)**

Students seeking the history and social science endorsement must meet the requirements of the history major. Additionally, the following courses and/or experiences are required:

- PLSC 220 Introduction to American Government
- One course in Economics (ECON)
- Completion of one of the following: 1) teaching of geography tutorials; or 2) one course in geography

### **Mathematics Endorsement (6-12)**

Students seeking the mathematics endorsement must meet the requirements of the major in mathematics or mathematical economics.

### **Science Endorsements (6-12)**

#### ***Biology***

Students seeking the biology endorsement must meet the requirements of the biology major. The biochemistry major does NOT meet the standard for this endorsement.

#### ***Chemistry***

Students seeking the chemistry endorsement must meet the requirements of the chemistry major.

#### ***Physics***

Students seeking the physics endorsement must meet the requirements for the Bachelor of Science degree in physics. In addition, we highly recommend PHYS 215 Computational Methods in Physics as part of the major.

### **Theater Arts Endorsement (preK-12)**

Students seeking the theater arts endorsement must meet the requirements of the theatre major.

### **Visual Arts Endorsement (preK-12)**

Students seeking the visual arts endorsement must meet the requirements of the studio art major.

### **Add-On Endorsement Requirements**

Students who meet the endorsement requirements for ANY teaching area may apply for an add-on endorsement if they meet the requirements for a minor that is compatible with one of the following licensure (endorsement) areas:

Journalism

Mathematics - Algebra I  
Speech Communication

### **Adding Endorsements Through Testing**

Students who meet the elementary endorsement requirements may add any endorsement for which they take and submit passing scores on the appropriate Praxis II examination.

Students who meet the endorsement requirements for all other areas may add any endorsement for which they take and submit passing scores on the appropriate Praxis II examination WITH THE EXCEPTION OF elementary education.

### **Courses**

#### **EDUC 205 Foundations of Education**

Introduction to the American educational system. Explores the philosophical, sociological, historical, and political roots of schools today. Attention also given to the legal status of teachers and students, including federal and state laws and regulations, school as an organization/culture, and contemporary issues in education.

**Prerequisite(s):** School of Arts and Sciences students only.

**Unit(s):** 1

#### **EDUC 207 Diverse Learners and Environments**

Introduction to the wide range of diversity that exists across today's general school population and examination of the increased professional demands that inclusion makes upon teachers. Exploration of physical, social, emotional, intellectual development, individual learning styles, and prior learning as well as language, culture, family and community values, and how they influence student learning.

**Prerequisite(s):** School of Arts and Sciences students only.

**Unit(s):** 1

#### **EDUC 250 Introduction to Instructional Technology**

Theory and pedagogy of using technology for instruction in all areas of the preK-12 curriculum. Develops the understanding and skills necessary to confidently plan for, implement, and evaluate effective integration of technology across the curriculum, as well as the use of technology to

enhance personal productivity.

**Unit(s):** .5

**EDUC 306 Integrated Curriculum Methods**

Introduces use of appropriate methods and assessments to help learners develop knowledge and basic skills, sustain intellectual curiosity, and problem solve. Examines selection of strategies and procedures to enhance classroom instruction and support learners in achievement of the Virginia Standards of Learning. Explores curriculum integration and subject-specific methodology in science and social studies.

**Prerequisite(s):** Education 205 or 207.

**Unit(s):** 1

**EDUC 310 Emergent Literacy**

Focuses on the developmental reading skills of emergent and beginning readers. Instructional focus will be placed upon teaching strategies and activities for teaching readiness, word attack skills, beginning comprehension skills, as well as early literacy assessment and intervention for at-risk learners. Requires concurrent registration in Education 365, Elementary Reading Practicum.

**Prerequisite(s):** Education 205 or 207.

**Unit(s):** 1

**EDUC 311 Instructional Level Literacy**

Focuses on how students comprehend and learn with text. Participants will read, discuss, view and use instructional strategies that promote understanding of narrative and expository texts used in sciences, social sciences, and humanities.

**Prerequisite(s):** Education 205 or 207.

**Unit(s):** 1

**EDUC 312-313-314 Independent Study in Education**

Special projects and practical experience in educational programs.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25-1

**EDUC 327 Foundations of Math Instruction**

In-depth examination of fundamental mathematical concepts and methods of teaching elementary math

for understanding. Course content emphasizes and integrates state and national curriculum standards, problem-solving approaches, use of manipulatives and technology, current research, and learning theory.

**Prerequisite(s):** Education 205 or 207.

**Unit(s):** 1

**EDUC 342 Secondary Curriculum Methods**

Process of establishing appropriate goals and objectives for instruction in middle and secondary schools targeting diverse learners. Use of objectives in planning of instruction and assessment, with attention to design of traditional and alternative assessment theories and practices. Requires concurrent registration in Education 368, Secondary School Practicum.

**Prerequisite(s):** Education 205 or 207. Education 368 (corequisite).

**Unit(s):** 1

**EDUC 352 Content Area Literacy**

Reading and critical thinking in middle and secondary school content areas. Specific strategies are explored that enhance comprehension, concept development, and vocabulary knowledge. Effects of text organization and relationship between reading and writing are examined for all content areas.

**Prerequisite(s):** Education 205 or 207.

**Unit(s):** 1

**EDUC 365 Elementary Reading Practicum**

Weekly field experience under the guidance of a classroom teacher focused on the teaching of reading in the early elementary grades. Practicum will include classroom observations; collaboration with practicing teachers; gradually increased instructional responsibility; and the design, development, implementation, and evaluation of self-constructed lessons.

**Prerequisite(s):** Education 310 (corequisite).

**Unit(s):** .5

**EDUC 366 General Elementary Practicum**

Weekly field experience under the guidance of a classroom teacher in a range of subject areas. Practicum will include classroom observations; collaboration with practicing teachers; gradually increased instructional responsibility; and the design,

development, implementation, and evaluation of self-constructed lessons.

**Prerequisite(s):** Education 306 or 327

**Unit(s):** .5

**EDUC 367 Middle School Practicum**

Weekly field experience under the guidance of a classroom teacher focused on the teaching of subject-specific content in the middle school grades. Practicum will include classroom observations; collaboration with practicing teachers; gradually increased instructional responsibility; and the design, development, implementation, and evaluation of self-constructed lessons.

**Prerequisite(s):** Education 368

**Unit(s):** .5

**EDUC 368 Secondary School Practicum**

Weekly field experience under the guidance of a classroom teacher, focused on the teaching of subject-specific content in the secondary grades. Practicum will include classroom observations; collaboration with practicing teachers; gradually increased instructional responsibility; and the design, development, implementation, and evaluation of self-constructed lessons.

**Unit(s):** .5

**EDUC 375 Classroom and Behavior Management**

Introduction to learning and curriculum theories and analysis of how they contribute to the understanding and application of classroom management techniques. Emphasis on individual interventions, including techniques to promote educational well-being, maximize learning time, increase motivation, and address inappropriate behavior. Examination of approaches based on theory and practice to meet the needs of diverse learners.

**Prerequisite(s):** Education 310 or 342.

**Unit(s):** 1

**EDUC 451 Survey of Children's Literature**

Survey of modern and traditional literature with emphasis on evaluative criteria used in selecting books based on school and recreational needs and interests of children. Features storytelling, creative dramatics, and ways of integrating books into curriculum.

**Unit(s):** 1

**EDUC 475 Student Teaching, Elementary Education (preK-6)**

Involves working directly with students in classroom on full-time basis under direction of cooperating teacher and University supervisor; student assumes full teacher responsibility for all instructional periods and school activities. Weekly seminar. Graded pass/fail; however, a comprehensive evaluation is completed for each student teacher.

**Prerequisite(s):** Department approval.

**Unit(s):** 3

**EDUC 477 Student Teaching, Secondary Education (6-12)**

(See description under Education 475.)

**Prerequisite(s):** Department approval.

**Unit(s):** 3

**EDUC 478 Student Teaching, Comprehensive Endorsement (preK-12)**

(See description under Education 475.)

**Prerequisite(s):** Department approval.

**Unit(s):** 3

**EDUC 485 Student Teaching Seminar**

Weekly seminar for student teachers. Provides a forum for discussion and examination of critical issues related to students' teaching responsibilities and competence. Also provides guidance in the preparation of the Teacher Work Sample.

**Prerequisite(s):** Education 475, 477, or 478 (corequisite).

**Unit(s):** .5

## English

### Department of English

*Suzanne Jones, Chair*

*Professors Browder, Dance, Givens, Hickey,*

*Hilliard, S. Jones*

*Associate Professors Ashe, Cheever, Gruner, Henry,*

*MacAllister, Outka, Russell, Schwartz, Siebert,*

*Stevens*

*Assistant Professors Lurie, Pelletier, Singh*  
*Director of Writing Center Essid*

### **The English Major**

**Note:** A grade of C (2.0) or better is required in all coursework comprising the English major.

10 units, including

ENGL 297 Literature in Context: Genre and Mode

ENGL 298 Literature in Context: Texts in History

Two courses from Group A, courses in literature before the early to mid-19th century

Two courses from Group B, courses in literature after the early to mid-19th century

Two additional courses at the 300 or 400 levels or ENGL 200 and one course at the 300 or 400 level

Two seminars, ideally one in the junior year and one in the senior year, although if necessary both may be taken in the senior year

### **The English Minor**

**Note:** A grade of C (2.0) or better is required in all coursework comprising the English minor.

6 units, including

ENGL 297 Literature in Context: Genre and Mode

ENGL 298 Literature in Context: Texts in History

One course from Group A, courses in literature before the early to mid-19th century

One course from Group B, courses in literature after the early to mid-19th century

One additional literature course (not writing) at the 300 or 400 level

One seminar taken in the junior or senior year

### **The Creative Writing Minor**

**Note:** A grade of C (2.0) or better is required in all coursework comprising the creative writing minor. Each writing course beyond English 200 may be taken up to three times for credit.

6 units, including

ENGL 200 Introduction to Creative Writing

Four writing courses, chosen from the following

ENGL 385 Fiction Writing

ENGL 386 Poetry Writing

ENGL 387 Writing for the Stage and Screen

ENGL 392 Creative Nonfiction Writing

ENGL 397 Selected Topics in Writing

ENGL 401 Advanced Creative Writing Seminar

One additional 200- or 300-level English course, either in literature, writing, or editing OR one of these courses from another department:

ARTS 276 Artist Book

FREN 324 Francophone Cultures and Literature

FREN 461 From Modern to Postmodern

GERM 452 Fin-de-siècle

LAIS 332 Introduction to Spanish-American Literature II

LAIS 462 Visions of Contemporary Spain

LAIS 472 Contemporary Spanish-American Theater

LAIS 474 Contemporary Writing in Latin America: Sex, Drugs and Rock 'n Roll

LAIS 477 Literature of the Spanish-Speaking Caribbean

LAIS 485 Spanish-American Narrative

LAIS 486 U.S. Latino/a Literature

MLC 322 Introduction to Twentieth-Century and Contemporary Russian Literature

THTR 325 Script Analysis

### **Honors Program**

To earn honors in English, a major must complete English 498, Honors Thesis Research, and English 499, Honors Thesis Writing. Units earned for English 498 and 499 are in addition to the 10 units required in the English major. Honors students also designate two of the courses from their major program as Honors Courses. In each case, the instructor, in consultation with the student and the honors coordinator, determines an appropriate honors component for the course. Students must have attained a departmental GPA of 3.50 by the beginning of the fall semester of the senior year. They also must maintain that GPA through the completion of the program and an overall GPA of no less than 3.30 while in the program. The thesis must be submitted to a faculty committee in the spring of the student's senior year. Honors will be granted only to those students whose theses meet departmental standards. Students should declare their intention to seek honors and meet with the honors coordinator in the spring of their sophomore year or fall of their junior year. Students who have not declared by the second semester of their junior year are disqualified from further honors consideration. Those who have declared that they are seeking honors will be considered candidates until they fail to meet one of the program's requirements. For further information



and advice on standards and curriculum, see the honors coordinator.

### Related Majors

Combined majors in

- English/classics
- English/French
- English/German
- English/Greek
- English/Latin
- English/Russian
- English/theatre
- English/women, gender and sexuality studies

Interdisciplinary concentrations in

- Comparative literature
- Medieval and Renaissance studies

### Allied Fields

To enrich the value of the major in English by doing focused work in an allied field, students have the option of taking four courses in one of the following fields: art history, classics (literature in the original language or in translation), history, philosophy, religion, theatre, and the modern literatures (Chinese, French, German, Italian, Japanese, Russian, or Spanish). Students are expected to select four courses that seem relevant to, or that promise to complement, the study of English. In making the selections, a student must consult both with the major advisor in English and with a secondary advisor in the allied field. Students who successfully complete an allied field option will receive a certificate and a letter of recognition at the time of Commencement.

### Courses

#### **ENGL 100A-100B Interdisciplinary Writing**

Provides students with critical writing/reading skills within interactive computer classroom. Focus on frames of inquiry which inform various academic disciplines. Part I (100A) includes introduction to computer technology and critical reading and writing with emphasis on personal responses to individual texts (visual and print) drawn from across disciplines, along with a short research-based assignment. Part II (100B) includes continuation of critical reading and

writing with emphasis on cross-disciplinary texts, library skills orientation, research-based assignment, oral presentations, and collaboration on creating a Web site. Graded Pass/Fail. (Limited to Bridge to Success students).

**Unit(s):** .25-.25

#### **ENGL 103 Introduction to Expository Writing**

Introduction to critical reading, thinking, and writing across disciplines.

**Unit(s):** 1

#### **ENGL 199 Topics in Introductory Literary Studies**

Selected topics vary from semester to semester.

**Unit(s):** .5-1

#### **ENGL 200 Introduction to Creative Writing**

An introduction to general principles. Students' fiction and poetry receive critical evaluation through workshops and conferences. The course is designed to improve students' creative and critical faculties through exposure to a variety of styles and genres in contemporary literature; e.g., poetry, fiction, drama, creative nonfiction, hybrid forms. The course emphasizes the finished product as well as the writing process, which includes not only putting words on paper, but also reading, analysis, and revision. Students examine forms and structures, word choice, line lengths and line breaks, sentences, paragraphs, beginnings and endings, rhetorical strategies, cadences and music, tone and voice, and syntax and diction. Class sessions include variations of the following: writing exercises, craft talks, discussion about the assigned readings, and discussion of student work.

**Unit(s):** 1

#### **ENGL 203 Children's Literature**

Analysis of children's literature, from folk and fairy tales to today's stories, poems and novels for children.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

#### **ENGL 204 Literature and Culture**

Representation of cultural identity and experience in works drawn from diverse cultural traditions.

**General Education Requirement:** (FSLT)

**Unit(s): 1**

**ENGL 206 Selected Readings in American Literature**

Selected works reflecting one or more major patterns in American literature. Specific emphasis may change from term to term.

**General Education Requirement: (FSLT)**

**Unit(s): 1**

**ENGL 208 Twentieth-Century American Fiction**

Textual analysis of novels and shorter fiction representing diverse authors, themes, movements, and techniques.

**General Education Requirement: (FSLT)**

**Unit(s): 1**

**ENGL 214 Literature of India**

Explores modern Indian poetry, short stories, and novels written in English and in translation.

**General Education Requirement: (FSLT)**

**Unit(s): 1**

**ENGL 215 Reading Science Fiction and Fantasy**

Analysis of selected works of science fiction and fantasy. Possible authors included in the course range from Edgar Allan Poe and Jules Verne to Philip K. Dick, Harlan Ellison and Ursula K. LeGuin to writers not typically identified with the genre. Students will consider a variety of interpretive frameworks (formal, psychological, feminist and others) through which literary sci-fi and fantasy are frequently read. Texts will include short stories, novels and film.

**General Education Requirement: (FSLT)**

**Unit(s): 1**

**ENGL 216 Literature, Technology and Society**

Literary and nonliterary texts that react, in a given society and period of history, to technological change and social effects of technology.

**General Education Requirement: (FSLT)**

**Unit(s): 1**

**ENGL 217 The Bible and Literature**

Study of representative texts from Hebrew Bible and New Testament, and examination of their relationships to later works of drama, poetry, short stories, and the novel.

**General Education Requirement: (FSLT)**

**Unit(s): 1**

**ENGL 218 African Literature**

Representative works from written traditions in modern African literature.

**General Education Requirement: (FSLT)**

**Unit(s): 1**

**ENGL 219 Introduction to Drama and Theater**

Introduction to basic concepts of drama and theater, including the relationship between drama as text and as spectacle and the relation of drama to other genres and art forms. Examination of significant theatrical traditions that have influenced modern drama.

**General Education Requirement: (FSLT)**

**Unit(s): 1**

**ENGL 220 Introduction to Film Studies**

Introduces the methodology of film studies through close textual analysis of narrative film. Special attention paid to the international history of the medium, the language of production, and major critical approaches. (Same as Film Studies 201)

**General Education Requirement: (FSLT)**

**Unit(s): 1**

**ENGL 221 Introduction to Poetry**

Analysis of works by selected poets.

**General Education Requirement: (FSLT)**

**Unit(s): 1**

**ENGL 222 Short Fiction**

Analysis of short fiction as a means of defining its many formal and philosophical expressions.

**General Education Requirement: (FSLT)**

**Unit(s): 1**

**ENGL 223 The Modern Novel**

Analysis of selected 20th- and 21st-century novels.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**ENGL 224 Great Novels**

Selected major novels of 18th, 19th, and/or 20th centuries.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**ENGL 227 Life-Writing as Literature: Studies in Biography and Autobiography**

Study of resources, methods, and aims governing the re-creation of individual lives by writers of biography and autobiography.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**ENGL 229 The Black Vernacular**

Introduction to black vernacular oral and written art. Investigation of the black vernacular tradition in the wider context of American culture.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**ENGL 230 Women in Modern Literature**

Modern woman's search for identity and struggle for self-realization through study of selected figures from 19th-, 20th-, and/or 21st century literature.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**ENGL 231 African-American Literature**

Survey of major works of African-American literature with attention to oral traditional contexts.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**ENGL 232 Southern Fiction**

Fiction of both old and new South with attention to themes, techniques and perspectives of the region.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**ENGL 233 Contemporary Native American Literatures**

An introduction to the most recent fiction by Native American writers in the United States through a study of a variety of genres in the context of the United States' colonial history, indigenous nations' struggles for sovereignty, and the long legacy of Indian representation in American popular culture.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**ENGL 234 Shakespeare**

Analysis of selected plays and poems from variety of critical perspectives.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**ENGL 235 Narratives of Personal Development**

Analysis of literature of personal growth and human development, from autobiography and biography to various forms of fiction: bildungsroman, novels of education, fictionalized biography, autobiography in verse, etc.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**ENGL 238 Selected Readings in Caribbean Literature**

Analysis of literary works from the Caribbean representing various periods, areas, and groups. Focus mainly on English-speaking Caribbean, but occasional focus on Spanish, Dutch, or French works in translation.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**ENGL 297 Literature in Context: Genre and Mode**

Focuses on the ways in which particular literary genres and modes arise and are adapted to new purposes over time. Taught in two modules with two different professors, this course with a grade of C (2.0) or better is a prerequisite to all 300-level literature courses, and thus is designed for those who think they might want to major or minor in English or

take upper-level literature courses.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**ENGL 298 Literature in Context: Texts in History**

Focuses on the ways in which literary traditions are perceived and/or constructed, and for what purposes. Taught in two modules with two different professors, this course with a grade of C (2.0) or better is a prerequisite to all 300-level literature courses, and thus is designed for those who think they might want to major or minor in English or take upper-level literature courses.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**ENGL 299 Special Topics in Literary Analysis**

Essentials of close textual analysis with special attention to theory, critical vocabulary, and methodology of literary interpretation. The focus will vary from one section or semester to the next. Recent topics have included *The Sixties: Then and Now*; *American Misfits*, *Contemporary American Literatures*, *Border Crossings in Global Literatures*. May be repeated for credit as topic varies.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**Group A Courses in Literature before the Early to Mid-19th Century**

**ENGL 301 Literature of the Middle Ages**

Studies in British and Continental Medieval literature from *Beowulf* through the 15th century with attention to social, cultural, and political backgrounds.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 302 Literature of the English Renaissance**

Studies in literature and cultural traditions of 16th- and early 17th-century Great Britain.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 304 Shakespeare**

Selected plays by Shakespeare grouped according to genre. The course will investigate the histories and tragedies and the comedies and romances.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 308 Interdisciplinary Studies in the Middle Ages and Renaissance**

An interdisciplinary approach to the study of Middle Ages and Renaissance. Medieval and Renaissance perspectives on topics such as love, politics, individualism, and the divine will be explored through study of selected works from literature, art, architecture, political theory, theology, and philosophy of both periods. Modern historiographical studies also will be examined in order to evaluate strengths and weaknesses of period constructions. May be repeated for credit if topic varies.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 309 Desire and Identity in the Renaissance: The Lyric Tradition**

A comparative investigation of Italian, French, and English Renaissance lyric poetry. (Same as *Modern Literatures and Cultures 358*.)

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**ENGL 311 English Literature of the Restoration and 18th Century**

Focus on representative British authors of the late 17th and 18th centuries.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 312 English Literature of the Romantic Movement**

Focus on major British authors of the early 19th century with some attention to European currents and backgrounds.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 321 Early American Literature**

Analysis of major texts produced in colonial British North America and the United States from the first European voyagers to North America in the early 17th century to the writers of the Early National period.

**Prerequisite(s):** English 297 or 298 or American Studies 201 with a grade of C or better.

**Unit(s):** 1

**ENGL 325 Age of the American Renaissance**

Readings in the traditional American Renaissance canon -- Emerson, Hawthorne, Thoreau, Melville, Poe, Dickinson, and Whitman -- as well as other writers working in the period, such as Frederick Douglass and Fanny Fern.

**Prerequisite(s):** English 297 or 298 or American Studies 201 with a grade of C or better.

**Unit(s):** 1

**ENGL 326 From Revolution to Romanticism: American Literature Through 1860**

Selected American works from the Early National period through the Civil War, with attention to the political and cultural contexts of these works.

**Prerequisite(s):** English 297 or 298 or American Studies 201 with a grade of C or better.

**Unit(s):** 1

**ENGL 330 Selected Topics in Literature before the Early to Mid-19th Century**

Topics will vary from semester to semester. Recently offered topics include Renaissance Lyric Poetry and The Middle Ages and the Renaissance. May be repeated for credit as topic varies.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**Group B Courses in Literature after the Early to Mid-19th Century**

**ENGL 331 Literatures of Africa**

Survey of major writers from the African continent, with attention to historical and cultural contexts and

to African oral traditions.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 332 Literatures of the Caribbean**

Survey of Anglo-Caribbean literatures with emphasis on contemporary works. Occasional studies of Spanish, Dutch, or French works in translation.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 333 Literatures of South Asia**

An exploration of the multiple strains of the Indian novel that have emerged since 1950.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 334 American Indian Literatures**

Works of major indigenous writers in the United States since the 1960s until the present, studied in the context of the historical and contemporary political and cultural relations between American Indians and the United States.

**Prerequisite(s):** English 297 or 298 or American Studies 201 with a grade of C or better.

**Unit(s):** 1

**ENGL 335 Black Women Writers**

Study of major works by Black women writers from Africa, the Caribbean, and the United States.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 336 Literatures of Globalization**

Selected contemporary fiction and criticism that considers problems of global economy, culture, and language.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1



**ENGL 337 Postcolonial Literatures**

Survey of major debates and movements in postcolonial literature, with attention to cultural contexts.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 338 English Literature of the Victorian Period**

Focus on representative British authors, 1832-1901, with attention to contemporary social, political, religious, and scientific issues.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 343 Modernisms**

A study of the dramatic changes in poetry and literature in European and American modernism from the late nineteenth to the early twentieth century.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 346 Twentieth-Century British and Irish Literature**

Reflections of modern sensibility in fiction and poetry of native British and Irish authors and American expatriates.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 349 Late Imperial Fiction**

Late 19th- and early 20th-century British fiction and culture in the decades before decolonization.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 353 American Realism and Regionalism**

American fiction of the late 19th century, with attention to the formation of a national literary culture and the concomitant development of regional

voices. Authors studied may include Henry James, Mark Twain, and Edith Wharton.

**Prerequisite(s):** English 297 or 298 or American Studies 201 with a grade of C or better.

**Unit(s):** 1

**ENGL 354 Literature of the American South**

Representative poetry and prose of the southern states, with attention to cultural, social, and political backgrounds.

**Prerequisite(s):** English 297 or 298 or American Studies 201 with a grade of C or better.

**Unit(s):** 1

**ENGL 355 Race and Ethnicity in American Literature**

Literature by American writers dealing with issues of racial or ethnic identity studied in relation to historical contexts. May be repeated for credit as content changes.

**Prerequisite(s):** English 297 or 298 or American Studies 201 with a grade of C or better.

**Unit(s):** 1

**ENGL 356 Twentieth-Century American Poetry**

Analysis of representative works by major American poets, with demonstration of modern technical innovations and discussions of thematic concerns.

**Prerequisite(s):** English 297 or 298 or American Studies 201 with a grade of C or better.

**Unit(s):** 1

**ENGL 357 Twentieth-Century American Fiction**

Attention to new concerns and new forms of fiction in the 20th century.

**Prerequisite(s):** English 297 or 298 or American Studies 201 with a grade of C or better or permission of instructor.

**Unit(s):** 1

**ENGL 358 African-American Women Writers**

Representative prose and poetry written by African-American women.

**Prerequisite(s):** English 297 or 298 or American Studies 201 with a grade of C or better.

**Unit(s):** 1

**ENGL 359 Contemporary American Literature**

Close study of important recent texts (fiction, poetry, and/or drama by U.S. authors or other contemporary writers who strongly influenced them) with respect to their special social, philosophical, and aesthetic contexts.

**Prerequisite(s):** English 297 or 298 or American Studies 201 with a grade of C or better.

**Unit(s):** 1

**ENGL 361 Literature and Film**

Examines the filmic adaptation of literary works, with particular consideration given to questions of genre, interpretation, and historical relevance.

**Prerequisite(s):** English 220, 297 or 298 or FMST 201 with a grade of C or better.

**Unit(s):** 1

**ENGL 362 Post-Soul Literature and Culture**

Survey of works by African-American verbal artists who came of age after the civil-rights movement.

**Prerequisite(s):** English 297 or 298 or American Studies 201 with a C or better

**Unit(s):** 1

**ENGL 364 Film Directors**

Examines the work of individual or a small group of film directors. The directors considered will vary and include figures such as Alfred Hitchcock, Stanley Kubrick, and the Coen Brothers. Special attention will be paid to theories of film authorship, the concept of film style and film aesthetics, and various critical approaches.

**Prerequisite(s):** English 220, 297 or 298 or Film Studies 201 with a C or better

**Unit(s):** 1

**ENGL 365 Modern Drama**

British and American drama with attention to European backgrounds.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 366 Contemporary British and American Drama**

Developments since World War II.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 367 Indigenous Film in North America**

An introduction to indigenous cinema in the United States and Canada. Forms and topics studied include ethnographic film, western and anti-western, contemporary first contact films; American Indian documentary, experimental video, and feature film; multiculturalism and the aesthetics and politics of indigenous representation.

**Prerequisite(s):** English 220, 297 or 298 or Film Studies 201 with a grade of C or better.

**Unit(s):** 1

**ENGL 368 History and Aesthetics of Film**

Topics include major international directors, the conventions and innovations of popular genres, and key aesthetic movements.

**Prerequisite(s):** English 220, 297, or 298 or Film Studies 201 with a grade of C or better.

**Unit(s):** 1

**ENGL 369 American Culture/American Film**

Explores the intersection of American film and culture, with special attention to the dialogue between Hollywood and other institutions, ideologies, and events. Specific topics vary from semester to semester.

**Prerequisite(s):** English 220, 297, or 298, American Studies 201, or Film Studies 201 with a grade of C or better.

**Unit(s):** 1

**ENGL 370 Selected Topics in Literature after the Early to Mid-19th Century**

Topics will vary from semester to semester. Recently offered topics include Victorian Fantasy, Modernisms, and Blackface! May be repeated for credit as topic varies.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**Group C Other Advanced Courses in Literature, Language and Writing**

**ENGL 371 Versions of Tragedy**

An exploration of the nature and function of tragedy in the West, based on a study of the theory of tragic drama and of representative works from the Greeks to the moderns.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 372 Theater and Society**

Study of theater with regard to its social relevance. Examination of the ways in which theater not only reflects but also seeks to intervene in cultural and political debates relevant to a given society. Attention to the politics of form and production as well as to the politics of reception.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 374 Film Theory**

Surveys the various ways in which thinkers have conceived of cinema since before its inception--what André Bazin referred to as "the film idea"--to contemporary debates about the "end" of film and the advent of New Media.

**Prerequisite(s):** English 220, 297, or 298 or Film Studies 201 with a grade of C or better.

**Unit(s):** 1

**ENGL 375 Critics Since Plato**

Ways of looking at art and literature in their philosophical context. Theories applied to a variety of literary texts.

**Prerequisite(s):** One unit of 300-level English with a grade of C or better.

**Unit(s):** 1

**ENGL 376 Modern Literary Theory**

Developments in literary theory from Formalism to the present. Schools and approaches include New Criticism, Feminism, Marxism, Structuralism,

Deconstruction, Psychoanalytic Criticism, New Historicism, and Cultural Studies.

**Prerequisite(s):** One unit of 300-level English with a grade of C or better.

**Unit(s):** 1

**ENGL 377 Poetics**

How creative tools available to poets shape and influence presentation of theme.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 378 The Novel in Theory and Practice**

Considers novels in the context of a variety of theoretical approaches, asking what theory can tell us about the novel and, equally important, what the novel can tell us about theory.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 380 Special Topics: Film Genres**

The close consideration of single or small numbers of film genres: their inception, evolution, aesthetic and stylistic properties, and interaction with other cultural forms and institutions. The genres under consideration will vary and include Film Noir, Melodrama, and the Western, among others. May be repeated for credit as topic varies.

**Prerequisite(s):** Film Studies 201, English 220, English 297, or English 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 381 Modern Grammar**

Introduction to linguistics, including theories and practices of structuralists and transformationalists. (Meets state licensure requirements for teaching.)

**Prerequisite(s):** First Year Seminar 100.

**Unit(s):** 1

**ENGL 382 The Art of Writing: Aims, Modes, Process**

Explores varied strategies for negotiating each stage in the writing process, reviews methods for engaging

in critical thinking and productive research, and addresses issues influencing effective uses of language, including attention to grammaticality.

**Prerequisite(s):** First Year Seminar 100.

**Unit(s):** 1

**ENGL 383 Introduction to Composition Theory and Pedagogy**

Serves as practicum for writing consultants - and students seeking teacher licensure.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** 1

**ENGL 385 Fiction Writing**

Analysis of literary models. Discussion and evaluation of students' own fiction. May be taken up to three times for credit.

**Prerequisite(s):** English 200 with a grade of C or better.

**Unit(s):** 1

**ENGL 386 Poetry Writing**

Analysis of literary models. Discussion and evaluation of students' own poetry. May be taken up to three times for credit.

**Prerequisite(s):** ENGL 200 with a grade of C or better.

**Unit(s):** 1

**ENGL 387 Writing for Stage and Screen**

Analysis of literary models. Discussion and evaluation of students' own dramatic work. May be taken up to three times for credit.

**Prerequisite(s):** English 200 with a grade of C or better.

**Unit(s):** 1

**ENGL 388 Individual Internship**

Application of academic skills and theories in placement approved by department. Includes academic work. Supervised by member of the English faculty. No more than one unit of credit may be earned in English 388.

**Prerequisite(s):** One unit of 300-level English with a grade of C or better, written application in advance

of internship, and recommendation of the English faculty member who will supervise the internship.

**Unit(s):** .25-1

**ENGL 391 Themes and Methods in Comparative Literature**

Interdisciplinary approach to selected themes or topics in comparative literature. While theme may vary from year to year, it will provide basis for the study of literary relations as they exist across various boundaries: generic, historical, disciplinary, and linguistic. Will also contain component on history and theory of comparative literature as a discipline, as well as brief unit on journals, bibliographies, and resources particular to the discipline.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 392 Creative Nonfiction Writing**

Analysis of literary models. Discussion and evaluation of students' own creative nonfiction. May be taken up to three times for credit.

**Prerequisite(s):** English 200 with a grade of C or better.

**Unit(s):** 1

**ENGL 393 Literary Editing and Publishing**

Provides students the opportunity to learn about literary editing and publishing from both editors' and writers' perspectives.

**Prerequisite(s):** One 200-level English course.

**Unit(s):** 1

**ENGL 397 Selected Topics in Writing**

Topics in creative writing. These will vary from semester to semester at the discretion of the instructor. Recently offered topics include Mixed-Media Writing and Micro Narratives. May be repeated for credit as topic varies.

**Prerequisite(s):** English 200 with a grade of C or better.

**Unit(s):** 1

**ENGL 398 Independent Study**

Individually designed course of study conducted under supervision of faculty member.

**Prerequisite(s):** Approval of directing faculty member.

**Unit(s):** .25-1

**ENGL 399 Selected Topics**

Topics will vary from semester to semester.

**Prerequisite(s):** English 297 or 298 with a grade of C or better.

**Unit(s):** 1

**ENGL 400 Junior/Senior Seminar**

In-depth treatment of topics in genre, historical periods, critical theory, single authors such as Milton, Faulkner, or Woolf, and other areas of literary study. Topics vary from semester to semester. Recently offered topics include the African American Novel, Children's Literature and Theology, Civil War Literature, New York School Poets, Self as Performance in the Renaissance, Women and Creativity, and Medicine, Mortality and Meaning. English majors usually take one seminar in the junior year and one in the senior year although if necessary both may be taken in the senior year. May be repeated for credit, provided topics are different.

**Prerequisite(s):** English 297 and 298, and two 300-level English courses with grades of C or better.

**Unit(s):** 1

**ENGL 401 Creative Writing Seminar**

An advanced creative writing course in which students pursue a semester-long project or portfolio in any genre (poetry, fiction, drama, creative nonfiction, screenwriting, multimedia, etc.) and workshop their works in progress.

**Prerequisite(s):** Two of the following: English 385, 386, 387, 392, or 397 (may be the same course taken twice).

**Unit(s):** 1

**ENGL 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**ENGL 498 Honors Thesis Research**

Research for the honors thesis in English under the direction of a faculty advisor.

**Prerequisite(s):** Department approval.

**Unit(s):** .5

**ENGL 499 Honors Thesis Writing**

Writing of the honors thesis in English under the direction of a faculty advisor.

**Prerequisite(s):** Department approval.

**Unit(s):** 1

**Environmental Studies**

*Christopher L. Stevenson, Coordinator (Chemistry)  
Associate Professor Stevenson (Chemistry and  
Environmental Studies)  
Assistant Professors Finley-Brook, Lookingbill,  
Salisbury (Environmental Studies and Geography)*

The environmental studies major consists of courses in the natural sciences, social sciences, humanities, law, and business.

**The Environmental Studies Major**

**Note:** The grade point average of all the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.70) in all courses other than Calculus II.

**For the Bachelor of Arts degree**

12 units, including:

- ENVR 201 Introduction to Environmental Studies
- ENVR 230 Environmental Economics
- ENVR 269 Topics in Environmental Ethics
- ENVR 362 Environmental Law and Policy
- ENVR 391 Environmental Senior Seminar



- One course in environmental life science chosen from
    - BIOL 109\* Introduction to Ecology
    - BIOL 111 Marine Biology of the Chesapeake Bay
    - BIOL 207\* Ecology
  - One course in physical environmental science chosen from
    - CHEM 110 Pollutants in the Environment
    - CHEM 316 Environmental Chemistry
    - ENVR 250 Introduction to Earth Systems and Physical Geography
  - Introductory statistics requirement, chosen from
    - MATH 119 (preferred) Statistics for Social and Life Sciences
    - BUAD 201 Business Statistics I
    - CHEM 300 Measurement Statistics
    - PSYC 200 Methods and Analyses
    - Or equivalent course approved by the environmental studies coordinator
  - One course in environmental research methods, chosen from
    - ANTH 211 Introduction to Ethnographic Field Methods
    - CHEM 301 Quantitative Chemical Analysis
    - CHEM 302 Instrumentation and Spectroscopy
    - CHEM 303 Chemical Separations
    - ECON 340 Econometrics
    - ENVR 260 Introduction to Geographic Information Systems
    - MATH 219 Introduction to the Design of Experiments
    - MATH 304\* Math Models in Biology and Medicine
    - MATH 324\* Continuous Math Methods
    - SOC 211 Sociological Research Methods and Data Analysis
  - Three units of electives approved for environmental studies, at least one-half unit of which must be an experiential learning course (ENVR 320, ENVR 388, or equivalent)
- For the Bachelor of Science degree**
- 15 units, including:
- ENVR 201 Introduction to Environmental Studies
  - ENVR 230 Environmental Economics
  - ENVR 269 Topics in Environmental Ethics
  - ENVR 362 Environmental Law and Policy
  - ENVR 391 Environmental Senior Seminar
  - One course in environmental life science chosen from
    - BIOL 109\* Introduction to Ecology
    - BIOL 111 Marine Biology of the Chesapeake Bay
    - BIOL 207\* Ecology
  - One course in physical environmental science chosen from
    - CHEM 110 Pollutants in the Environment
    - CHEM 316 Environmental Chemistry
    - ENVR 250 Introduction to Earth Systems and Physical Geography
  - Introductory statistics requirement: MATH 119 (preferred), BUAD 201, CHEM 300, PSYC 200, or equivalent course approved by the ES coordinator
  - One course in environmental research methods, chosen from
    - ANTH 211 Introduction to Ethnographic Field Methods
    - CHEM 301 Quantitative Chemical Analysis
    - CHEM 302 Instrumentation and Spectroscopy
    - CHEM 303 Chemical Separations
    - ECON 340 Econometrics
    - ENVR 260 Introduction to Geographic Information Systems
    - MATH 219 Introduction to the Design of Experiments
    - MATH 304\* Math Models in Biology and Medicine
    - MATH 324\* Continuous Math Methods
    - SOC 211 Sociological Research Methods and Data Analysis
  - Three units of electives approved for environmental studies, at least one-half unit of which must be an experiential learning course (ENVR 320, ENVR 388, or equivalent)
  - MATH 212 or 232 Calculus II

- Two units in biology, chemistry, or physics at or above the 300 level

\* The following courses involve significant overlap in content: BIOL 101/225; BIOL 109/207; and MATH 304/324. Credit toward the major can be given for only one course in each pair; for example, credit can be given for either BIOL 101 or BIOL 225 but not both.

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

### Concentrations in Environmental Studies

Note: A student does not have to choose a concentration in order to receive a degree in environmental studies. Students may satisfy the elective units requirement of the degree by pursuing one of the following concentrations:

#### Environmental Science Concentration

Three units of electives, chosen from

- BIOL 100 Biology of Plants
- BIOL 101 Principles of Evolution
- BIOL 108 Environmental Biology
- BIOL 111 Marine Biology of the Chesapeake Bay
- BIOL 225 Evolution
- BIOL 306 Systematic Botany
- BIOL 331 Molecular Ecology
- BIOL 332 Tropical Marine Biology
- BIOL 333 Microbial Ecology
- BIOL 334 Oceanography
- BIOL 344 Behavioral Ecology
- BIOL 383 Tropical Biology and Conservation
- CHEM 110 Pollutants in the Environment
- CHEM 316 Environmental Chemistry
- ENVR 250 Earth Systems and Physical Biology
- ENVR 350 Environmental Gradients
- GEOG 315 Landscape Ecology

#### Environment and Society Concentration

Three units of electives, chosen from

- ECON 211 Economic Development in Asia, Africa and Latin America
- ENVR 330 Environmental and Resource Economic Theory
- GEOG 220 Ecotourism
- GEOG 320 Power, Space, and Territory: Geographies of Political Change
- GEOG 333 Geographies of Amazonia

- GEOG 370 Geographies of Economic Development and Globalization
- GEOG 345 Society, Economy, and Nature: Global Perspectives on Sustainable Development
- HIST 390 Food and Power in Africa and Asia
- JOUR 304 Reporting on the Environment
- MGMT 348 Environmental Management
- PLSC 260 Introduction to Public Policy
- PLSC 360 International Development Policy

Experiential learning (ENVR 388, ENVR 320, or equivalent) and Special Topics (ENVR 300) may be counted towards a concentration with approval of the environmental studies coordinator.

### The Environmental Studies Minor

**Note:** The grade point average of all the coursework comprising the minor in environmental studies must be no less than 2.00 with no course grade below C- (1.70).

6 units, including:

- ENVR 201 Introduction to Environmental Studies
- ENVR 269 Topics in Environmental Ethics
- Either ENVR 230 Environmental Economics or ENVR 362 Environmental Law and Policy
- One course in environmental life science chosen from

- BIOL 109\* Introduction to Ecology
- BIOL 207 Ecology
- BIOL 111 Marine Biology of the Chesapeake Bay

- One course in physical environmental science chosen from

- CHEM 110 Pollutants in the Environment
- CHEM 316 Environmental Chemistry
- ENVR 250 Introduction to Earth Systems and Physical Geography

- One approved elective in environmental studies

\*Credit toward the Environmental Studies minor will be given for either BIOL 109 or BIOL 207, but not both.

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

### Environmental Studies Electives

ANTH 211 Introduction to Ethnographic Field Methods  
 BIOL 100 Biology of Plants  
 BIOL 101 Principles of Evolution  
 BIOL 108 Environmental Biology  
 BIOL 111 Marine Biology of the Chesapeake Bay  
 BIOL 225 Evolution  
 BIOL 306 Systematic Botany  
 BIOL 331 Molecular Ecology  
 BIOL 332 Tropical Marine Biology  
 BIOL 333 Microbial Ecology  
 BIOL 334 Oceanography  
 BIOL 344 Behavioral Ecology  
 BIOL 383 Tropical Biology & Conservation  
 CHEM 110 Pollutants in the Environment  
 CHEM 301 Quantitative Chemical Analysis  
 CHEM 302 Instrumentation and Spectroscopy  
 CHEM 303 Chemical Separations  
 CHEM 316 Environmental Chemistry  
 ECON 211 Economic Development in Asia, Africa & Latin America  
 ECON 230 Environmental Economics  
 ECON 340 Econometrics  
 ENVR/GEOG 215 Geography of the James  
 ENVR/GEOG 220 Ecotourism  
 ENVR/GEOG/BIOL 250 Introduction to Earth Systems and Physical Geography  
 ENVR 260 Introduction to Geographic Information Systems  
 ENVR 300 Special Topics  
 ENVR 315 Landscape Ecology  
 ENVR 320 Directed Research  
 ENVR 330 Environmental and Resource Economic Theory  
 ENVR 350 Environmental Gradients  
 ENVR 360 Advanced Spatial Analysis  
 ENVR 362 Environmental Law and Policy  
 ENVR 365 Environmental Remote Sensing  
 ENVR 388 Individual Internship  
 ENVR 390 Independent Study  
 GEOG 320 Power, Space and Territory: Geographies of Political Change  
 GEOG 333 Geographies of Amazonia

GEOG 345 Society, Economy and Nature: Global Perspectives on Sustainable Development  
 GEOG 370 Geographies of Economic Development and Globalization  
 HIST 390 Food & Power in Africa and Asia  
 MGMT 348 Environmental Management  
 MATH 219 Introduction to the Design of Experiments  
 MATH 304 Math Models in Biology and Medicine  
 MATH 324 Continuous Math Models  
 PLSC 260 Introduction to Public Policy  
 PLSC 360 International Development Policy  
 SOC 211 Sociological Research Methods

### Courses

**ENVR 201 Introduction to Environmental Studies**  
 Overview of contemporary environmental issues, including species extinction, resource depletion, and pollution. Students examine behavior leading to environmental degradation, the scientific, ethical, and economic aspects of the resulting problems, and study policies intended to provide solutions.

**Unit(s): 1**

**ENVR 215 Geography of the James River Watershed**  
 (See Environmental Studies 215)

**Unit(s): 1**

**ENVR 220 Ecotourism**  
 (See Geography 220)

**Unit(s): 1**

**ENVR 230 Environmental Economics**  
 (See Economics 230.)

**Prerequisite(s):** Economics 101.

**Unit(s): 1**

**ENVR 250 Introduction to Earth Systems and Physical Geography**  
 (See Geography 250; same as Biology 250.)

**General Education Requirement:** (FSNB)

**Unit(s): 1**

**ENVR 260 Introduction to Geographic Information Systems**

(See Geography 260; same as Biology 260.)

**Unit(s):** 1

**ENVR 269 Topics in Environmental Ethics**

Introduces students to the moral issues and ethical approaches that characterize interaction with our natural environment. Topics will vary but will typically include issues such as our moral obligation to nonhuman species and to future human generations, and ethical analysis of contemporary environmental issues such as climate change and species extinction.

**Unit(s):** 1

**ENVR 300 Special Topics**

Selected topics about the environment.

**Unit(s):** .5-1

**ENVR 320 Directed Research**

Research with a faculty member in an environmental area.

**Unit(s):** .5

**ENVR 330 Environmental and Resource Economic Theory**

(See Economics 330)

**Prerequisite(s):** Economics 271.

**Unit(s):** 1

**ENVR 350 Environmental Gradients**

(See Geography 350.)

**Prerequisite(s):** Geography/Environmental Studies 250, Environmental Studies 201, Biology 207, Chemistry 110, or permission of instructor

**Unit(s):** 1

**ENVR 360 Environmental Remote Sensing**

(See Geography 360; same as Biology 360.)

**Prerequisite(s):** Environmental Studies/Biology/Geography 260 or permission of instructor.

**Unit(s):** 1

**ENVR 362 Environmental Law and Policy**

(See Political Science 362.)

**Prerequisite(s):** Environmental Studies 201 or Political Science 260.

**Unit(s):** 1

**ENVR 365 Advanced Spatial Analysis**

(See Geography 365.)

**Prerequisite(s):** Environmental Studies/Geography/Biology 260.

**Unit(s):** 1

**ENVR 388 Individual Internship**

Supervised independent field work. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Permission of environmental studies coordinator.

**Unit(s):** .5

**ENVR 390 Independent Studies**

Topics independently pursued under supervision of a faculty member.

**Prerequisite(s):** Permission of instructor

**Unit(s):** .5-1

**ENVR 391 Environmental Senior Seminar**

Close study of a current environmental problem. Student develops a project to address the problem using approaches and skills from the environmental studies core and elective courses.

**Prerequisite(s):** Permission of environmental studies coordinator.

**Unit(s):** 1

**ENVR 315 Landscape Ecology**

(See Geography 315)

**Unit(s):** 1

**ENVR 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university.

Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

## Film Studies

*Abigail Cheever, Coordinator (English)*  
*Professors Addiss (Art and Art History), Ravaux-Kirkpatrick (Modern Literatures and Cultures)*  
*Associate Professors Bower (Modern Literatures and Cultures), Cheever (English), Ferman (Latin American and Iberian Studies), Lurie (English), Siebert (English)*  
*Assistant Professor Qian (Modern Literatures and Cultures)*

The film studies major is designed to furnish an integrated, interdisciplinary approach to the academic study of cinema, providing work in film history, theory, aesthetics, and production and considering U.S., international, and indigenous/ethnic films. Students choose among courses offered in a number of different departments and programs at the University to explore how individual movies, particular genres and forms, and different regional, ethnic, and national film traditions reflect and influence the worlds of which they are a part. In so doing, students develop crucial skills in critical thinking, visual and textual analysis, and written and verbal communication that are vital for success in the majority of today's careers.

The major consists of nine courses. Three are required: the introduction to film studies, the film theory course, and a capstone research seminar to be taken in the senior year. The remaining courses are electives offered by departments such as art and art history, English, journalism, Latin American and Iberian studies, modern literatures and cultures, and theatre and dance. This range of courses provides students with the opportunity to construct a program of study that is targeted to their particular interests. In keeping with the international nature of the medium, two of these electives must examine films outside of the mainstream U.S. This latter requirement makes film studies a terrific major for students considering study abroad.

More detailed descriptions of the courses listed below may be found on the individual department websites

and catalog pages. New courses are continually being developed and offered, so check the film studies Web site and BannerWeb for the most up to date schedule of recent and upcoming courses.

## The Film Studies Major

**Note:** A grade of C (2.0) or better is required in all coursework comprising the Film Studies major.

9 units, including

- FMST 201/ENGL 220 Introduction to Film Studies
- FMST/ENGL 374 Film Theory
- FMST 400 Research Seminar
- Six electives chosen from the following list, at least two of which must be in international film or indigenous/ethnic U.S. cinema.

## The Film Studies Minor

**Note:** A grade of C (2.0) or higher is required in any course that is to count towards the minor.

6 units, including

- FMST 201/ENGL 220 Introduction to Film Studies
- Five additional courses selected from the list below, at least two of which must be in international film or indigenous/ethnic U.S. cinema.

## Film Studies Electives

Electives

[ART 282 Values in World Film](#)  
[ENGL 361 Literature and Film](#)  
[ENGL 364 Special Topics: Film Directors](#)  
[ENGL 367 Indigenous Cinema in North America](#)  
[ENGL 368 History and Aesthetics of Film](#)  
[ENGL 369 American Culture / American Film](#)  
[ENGL 370 Special Topics in Literature After the Early to Mid-19th Century](#)  
[ENGL 380 Special Topics: Film Genres](#)  
[ENGL 387 Writing for the Stage and Screen](#)  
 FMST 202 Introduction to Film Production  
 FMST / MLC 364 Banlieue Cinema  
 FMST / ENGL 374 Film Theory  
 FMST 379 Selected Topics  
[FREN 465 French Film](#)



FMST 399 Independent Study  
 FMST / LAIS 471 Introduction to Latin American Cinema  
FREN 465 French Film  
FREN 467 French Culture in the Making: Conception and Actualization of a French Film Festival  
JOUR 307 Documentary Journalism I: Evolution of the Social Narrative  
JOUR 308 Documentary Journalism II: Study and Practice  
LAIS 473 Political Action and Latin American Indigenous Film  
MLC 235 Special Topics in Japanese Film  
MLC 331 Russian Cinema  
MLC 355 Chinese Cinema  
MLC 365 German Film in Context  
 THTR 312 Special Topics (when taught as a film course)

## Courses

### **FMST 201 Introduction to Film Studies**

Introduces the methodology of film studies through close textual analysis of narrative film. Special attention paid to the international history of the medium, the language of production, and major critical approaches.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

### **FMST 202 Introduction to Film Production**

The art and technique of film production, including the fundamental principles of shot composition, lighting, sound, and editing and development of critical and aesthetic sensibilities.

**Unit(s):** 1

### **FMST 364 Banlieue Cinema**

Cinema de banlieue has been identified as a new cinematic genre that addresses one of France's current major social preoccupations: the explosive and uncontrollable outskirts of France's larger cities which have seen a number of violent riots between youth and police in the past twenty years. Issues of separation and exclusion, ethnicity, and identity, as well as ethnic minority contributions to the representation of contemporary France as multicultural society will be examined. Attention will also be given to cinematographic techniques specific to this new genre. LAC option in French.

**Prerequisite(s):** Sophomore Standing

**Unit(s):** 1

### **FMST 367 Culture in the Making: Conception and Actualization of a Film Festival**

Experience in the creation and preparation of a major annual cultural event, the French Film Festival presented by the University of Richmond and VCU, leading to significant enhancement of knowledge of contemporary cinema and culture, exposure to production and distribution models, and to cultural management.

**Prerequisite(s):** FMST 201/ENGL 220: Introduction to Film Studies

**Unit(s):** 1

### **FMST 374 Film Theory**

Surveys the various ways in which thinkers have conceived of cinema since before its inception--what André Bazin referred to as "the film idea"--to contemporary debates about the "end" of film and the advent of New Media. (Same as English 374)

**Prerequisite(s):** Film Studies 201 or English 220, 297, or 298 with a grade of C or better.

**Unit(s):** 1

### **FMST 379 Selected Topics**

Selected topics in film studies (such as various national cinemas; the significance of particular directors, schools, or movements; period designations, or thematic approaches) for students pursuing a Film Studies major.

**Unit(s):** 1

### **FMST 399 Independent Study**

Individually designed course of study supervised by a faculty member.

**Prerequisite(s):** Department Approval

**Unit(s):** .5-1

### **FMST 400 Research Seminar**

Required seminar for majors taken in junior or senior year. Seminar focused around the in-depth study of an individual topic, culminating in a substantial research paper. Topics and instructors vary from semester to semester.

**Prerequisite(s):** Film Studies 201 or English 220 with a grade of C or better

**Unit(s): 1**

**FMST 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s): 0**

**FMST 471 Introduction to Latin American Film**

Study of prominent examples of Latin American film production with special attention paid to aesthetic aspects of cinematographic language and cultural questions embodied in the films examined. (Same as Latin American and Iberian Studies 471)

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s): 1**

**FMST 473 Political Action and Latin American Indigenous Film**

Examines the main cinematic movements in Latin America, in which political action and the vindication of indigenous peoples and their land coalesce with a concern for a new film aesthetic. (Same as Latin American and Iberian Studies 473)

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s): 1**

**First-Year Seminar**

*Elisabeth Gruner (English), Coordinator*

First-Year Seminars (FYS) provide entering students the excitement of engaged learning through a diverse array of seminar topics. With small classes, a variety of topics, and close contact with faculty, First-Year Seminars offer a hands-on introduction to academic inquiry.

A wide variety of seminars will be offered each year, drawn from every school of the University. Each entering student will take a FYS in the fall and spring of the first year.

First-Year Seminars serve as an introduction to academic inquiry and the modes of expression that lie at the heart of a liberal arts education. They foster habits of mind fundamental to students' intellectual and academic development, including critical reading and thinking, sharing ideas and research through discussion, and the ability to write and think clearly and effectively. Integrating explorations of specific questions and topics with the development of skills, seminars aim to foster intellectual curiosity and students' ability to act on it.

All First-Year Seminars have the same five common goals:

1. expand and deepen students' understanding of the world and of themselves
2. enhance their ability to read and think critically
3. enhance their ability to communicate effectively, in writing, speech, and other appropriate forms
4. develop the fundamentals of information literacy and library research
5. provide the opportunity for students to work closely with a faculty mentor

**Courses**

**FYS 100 First Year Seminar**

Allows students to choose from a list of special topics courses while they pursue a shared set of educational goals. All seminars are designed to expand the students' understanding of the world, enhance their ability to read and think critically, enhance their ability to communicate effectively in writing, speech, and other appropriate forms, develop fundamentals of information literacy and library research, and provide the opportunity for students to work closely with a faculty mentor. Topics descriptions for each term can be found on the FYS website. Students must take two different FYS 100 courses to meet the First Year Seminar degree requirement.

**Prerequisite(s):** First-year standing.

**General Education Requirement:** First Year Seminar

**Unit(s): 1**

## French Program

### Department of Modern Literatures and Cultures

*Françoise Ravaux-Kirkpatrick, Section Coordinator*  
*Professor Ravaux-Kirkpatrick*  
*Associate Professor Kapanga*  
*Assistant Professors Delers, Pappas, Radi*  
*Director of Intensive Language Program Baker*  
*Director of Global Studio Scinicariello*

This section contains information specific to the degree programs in French. For full information regarding departmental policies relevant to all the MLC degree programs, study abroad, and course sequencing, see the main page of the Department of Modern Literatures and Cultures.

### Study Abroad

Study and travel abroad are strongly encouraged for all students. For students of French, the department offers a summer study program in France. In addition, there are exchange agreements for study during the academic year in France, Switzerland, Quebec, and West Africa; others are being negotiated. For a complete list, contact the Office of International Education.

### The Residency Requirement

For all French majors, at least 5 of the 9 courses required for the major must be taken on the University of Richmond campus. French majors and minors must take at least one 400-level class on campus after studying abroad, regardless of whether or not they have sufficient credits to fulfill the major or minor requirements.

### The French Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.70). Majors must take at least one 400-level class on campus after studying abroad, regardless of whether or not they have sufficient credits to fulfill the major requirements.

9 courses including  
 FREN 305 Writing in French through Culture and Literature  
 One course, chosen from

FREN 301 French Conversation through Cinema  
 FREN 304 French Grammar Review  
 FREN 306 French at Work  
 FREN 311 French and Francophone Cultures

Two courses, chosen from  
 FREN 320 Literature in Context  
 FREN 324 Francophone Literatures and Cultures  
 FREN 325 Medieval and Early Modern Society  
 FREN 326 Revolution in France  
 FREN 327 The Question of Modernity

Four 400-level courses, at least three of which are numbered 411 or higher

One unit elective at the 300 or 400 level (may be an MLC course with CLAC component)

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

### The French Major/International Business Option

(Earned in conjunction with a major in the Robins School of Business with an international business concentration.)

9 courses and an interdisciplinary research project in addition to completing all requirements of the international business concentration for the business administration major including:

Three 300-level courses (at least one FSLT), normally taken prior to study abroad  
 Two 400-level seminars following required study abroad

One semester full-time study at an approved business school (with all-French curriculum) in a French-speaking country (four courses)

IDST379 Interdisciplinary Research Project  
 A senior research project (taken for a half-unit as IDST 379) on a comparative topic dealing with international business and French/Francophone culture, 15 pages, written in French or in English, making significant use of primary and secondary sources in both languages, conducted through independent study.

The French major/international business option represents a collaborative project between the Department of Modern Literatures and Cultures in the School of Arts and Sciences and the International

Business Program in the Robins School of Business. Designated faculty members from each program will advise students upon declaration and as they progress through the major. The curriculum includes a semester abroad at one of the University's partner institutions with all-French curriculum (for example, EPSCI-Groupe ESSEC, Rouen Business School, or Université Catholique de Lille). There, students will continue their business concentrations in classes with both local and other international students.

To prepare for the experience abroad, students will have a solid base of 300-level French courses taken on the Richmond campus. Upon return, they will broaden their knowledge of literary and cultural studies through advanced seminars as well as additional Robins School of Business coursework. The French component of this program thus consists of five courses taken on campus plus four or five courses taken abroad, or the equivalent of a nine-course major in MLC.

### The French Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.70). Minors must take at least one 400-level class on campus after studying abroad, regardless of whether or not they have sufficient credits to fulfill the minor requirements.

5 courses, including

FREN 305 Writing in French through Culture and Literature

One course, chosen from

FREN 301 French Conversation through Cinema

FREN 304 French Grammar Review

FREN 306 French at Work

FREN 311 French and Francophone Cultures

Two courses, chosen from

FREN 320 Literature in Context

FREN 324 Francophone Literatures and Cultures

FREN 325 Medieval and Early Modern Society

FREN 326 Revolution in France

FREN 327 The Question of Modernity

One 400-level course

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

### Related Majors

- International Studies: Africa
- International Studies: International Economics
- International Studies: Modern Europe
- International Studies: World Politics and Diplomacy
- English/French Literature

### Honors Program

The French Honors Program is designed for outstanding students with intellectual initiative and the desire to pursue academic achievement beyond the level of standard course work. Students will engage in independent research and work closely with a faculty advisor on an Honors Thesis during their senior year.

### Eligibility and Admission

To qualify for the Honors Program in French, a student should have:

1. 18.5 or more units completed overall
2. At least a 3.30 cumulative grade point average for all courses, and a 3.50 cumulative grade point average for French courses

A student who does not meet these qualifications may be admitted to the Program with the special recommendation of the faculty of the French section of the Department of Modern Literatures and Cultures and the approval of the Faculty Committee on the Honors Program.

To enter the Honors Program, students must submit to the Honors coordinator of the French program a letter of intent, with nominating support from one faculty member, by March 15 of their junior year. Each student will be assigned an Honors research advisor with whom he or she will design a program of study that indicates how the student's Honors Program will be accomplished.

### Program Requirements

To receive credit for the Honors Program, the student must:

- Fulfill the normal requirements for the B.A. in French.

- Take two 400-level French courses on campus for Honors credit. These courses will require extra work (supplementary readings and/or assignments, independent research on a topic related to the course, for instance). The extra work will be decided by the course instructor and vetted by the French Honors coordinator to ensure consistency.
- Take FREN 491 (Honor Thesis I, 0.5 unit, fall of senior year) and FREN 492 (Honor Thesis 2, 1 unit, spring of senior year) in order to complete a 25-30 page Honors Thesis written in French. This thesis will be based on extensive research and make an original contribution to French and Francophone studies. The student and his or her advisor should develop a schedule to meetings and assessment that they find appropriate and meet at least once a month. Honors students must present their thesis at the French Studies symposium at the end of their senior year. They are also strongly encouraged to apply for a Summer Research Fellowship during their junior year. The thesis will be graded by at least two readers, including the student's thesis advisor.

Students may withdraw at any time. If they do not complete required additional work or maintain an overall 3.3 grade point average and a 3.5 grade point average for French coursework, students will not receive credit for the Honors Program, and the department will submit a request for withdrawal to the Faculty Committee on the Honors Program.

### Courses

#### **FREN 121 Intensive Elementary French**

Introduction to French language and culture. Emphasis on oral communication. Development of elementary reading and writing skills.

**Prerequisite(s):** Permission of department.

**Unit(s):** 2

#### **FREN 221 Intensive Intermediate French**

Reinforcement of communicative language skills. Increased emphasis on reading, writing, and culture.

**Prerequisite(s):** French 121 or equivalent.

**General Education Requirement:** (COM2)

**Unit(s):** 2

#### **FREN 301 French Conversation through Cinema**

Development of speaking ability in French, with stress upon vocabulary expansion, pronunciation and communicative accuracy, through representations of French culture in film.

**Prerequisite(s):** French 221 or permission of department.

**Unit(s):** 1

#### **FREN 304 French Grammar Review**

An in-depth study of French grammar designed to improve the written expression of more advanced students in preparation for writing.

**Prerequisite(s):** French 301, 305, 306, 311, or permission of instructor.

**Unit(s):** 1

#### **FREN 305 Writing in French through Culture and Literature**

Develops competent writing skills through topics in French and Francophone literature and culture. Students will engage in writing exercises in a variety of textual genres including essay, review, explication de texte (textual explication), and short paper.

**Prerequisite(s):** French 221 or permission of department.

**Unit(s):** 1

#### **FREN 306 French at Work**

Task-based course designed to develop students' ability to interact in French situations specific to the workplace. Acquisition of business terminology and etiquette and exploration of cross-cultural differences, economic and political issues influencing business in the French-speaking world.

**Prerequisite(s):** French 221 or permission of department.

**Unit(s):** 1

#### **FREN 311 French and Francophone Culture**

Exploration of significant themes and issues in contemporary French and Francophone cultures set in the context of French history and cultural traditions.

**Prerequisite(s):** French 221 or permission of



department.

**Unit(s):** 1

**FREN 320 Literature in Context**

Introduces students to works of literature written in French from a variety of genres (poetry, prose, and theatre) and to critical writing in French.

**Prerequisite(s):** French 305 plus one of the following: French 301, 304, 306 or 311.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**FREN 324 Francophone Cultures and Literatures**

Explores contemporary Francophone literatures and cultures through texts by African, Caribbean, Maghrebian, and Canadian writers.

**Prerequisite(s):** FREN 305 and one of FREN 301, 304, 306, or 311.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**FREN 325 Medieval and Early Modern Society**

Studies in French literature, history, and culture from the Medieval period to the Enlightenment.

**Prerequisite(s):** FREN 305 and one of FREN 301, 304, 306, or 311

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**FREN 326 Revolution in France**

Studies in French literature, history, and culture related to the concept of revolution with special emphasis on the Enlightenment and the 19th century.

**Prerequisite(s):** FREN 305 and one of FREN 301, 304, 306, or 311

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**FREN 327 The Question of Modernity**

Studies in French literature, history, and culture related to modern French society and the French-speaking world.

**Prerequisite(s):** FREN 305 and one of FREN 301, 304, 306, or 311

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**FREN 388 Individual Internship**

Internship experience outside of the department in fields related to French studies. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Permission of the department.

**Unit(s):** .25-1

**FREN 389 Practice Assistantship**

Students lead practice sessions associated with the elementary and intermediate language sequence in French. The practice assistantship does not count as credit toward the major or minor. Up to one unit can be applied toward graduation credit.

**Prerequisite(s):** Permission of the department.

**Unit(s):** .5

**FREN 397 Selected Topics**

**Prerequisite(s):** French 221 or permission of department.

**Unit(s):** 1

**FREN 402 Advanced French Conversation**

Development of advanced speaking skills beyond 301 level.

**Prerequisite(s):** French 301.

**Unit(s):** 1

**FREN 404 Advanced Composition and Syntax**

Further refinement of written expression and advanced grammar review.

**Prerequisite(s):** French 305.

**Unit(s):** 1

**FREN 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student

must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**FREN 411 The French Middle Ages**

Analysis of issues such as morality and literacy, governance, social order, human values and ideals, authorship, gender, and artistic production as manifested in significant texts from the 11th to the 15th centuries.

**Prerequisite(s):** Two classes in the 320 series: French 320, 324, 325, 326, 327.

**Unit(s):** 1

**FREN 421 Renaissance**

Exploration of literature of a France transformed by Reformation and Renaissance: the poetry of love; devotion and play; the prose of wisdom.

**Prerequisite(s):** Two classes in the 320 series: French 320, 324, 325, 326, 327.

**Unit(s):** 1

**FREN 431 Le Siècle Classique**

Exploration of both triumphs and powerful tensions within 17th-century culture, with attention to such issues as political patronage of the arts, women intellectuals and salon culture, courtly life at Versailles, social satires of Molière, and place of dissent within the absolutist state.

**Prerequisite(s):** Two classes in the 320 series: French 320, 324, 325, 326, 327.

**Unit(s):** 1

**FREN 441 Enlightenment**

Literary and philosophical texts of 18th century, emphasizing questions on selfhood, social life, gender relations, and power. Topics include the libertine tradition, novel and society, women writers and Enlightenment's others.

**Prerequisite(s):** Two classes in the 320 series: French 320, 324, 325, 326, 327.

**Unit(s):** 1

**FREN 451 From Romanticism to Decadence**

Issues of gender, subjectivity, and socio-historical contexts in works by poets, novelists and historians in the numerous and varied cultural movements of 19th-century France. Recent topics include visual culture in 19th-century France and literary and cultural scandals.

**Prerequisite(s):** Two classes in the 320 series: French 320, 324, 325, 326, 327.

**Unit(s):** 1

**FREN 461 From Modern to Postmodern**

Trends in 20th century and contemporary French poetry, drama, and fiction, set in the context of painting, film and experimental art forms. Recent topics include otherness, gender, creativity, the nature of truth, and the quest for self-expression.

**Prerequisite(s):** Two classes in the 320 series: French 320, 324, 325, 326, 327.

**Unit(s):** 1

**FREN 465 French Film**

Survey of development of French cinema with emphasis on the contemporary period. Introduction to film aesthetics and film theories. Film topics include French current events and trends, personal and social challenges, ethnicity, women's issues, and historical or political perspectives.

**Prerequisite(s):** Two classes in the 320 series: French 320, 324, 325, 326, 327.

**Unit(s):** 1

**FREN 467 French Culture in the Making: Conception and Actualization of a French Film Festival**

Experience in the creation and preparation of a major cultural event on French cinema leading to significant enhancement of knowledge of French contemporary cinema and culture, substantial improvement of French language skills, and exposure to cultural management. Activities will be carried out in French and include writing, editing, translation and interpretation, film programming, advertisement and marketing development, outreach promotion, media relations at the local, national, and international levels, and event management.

**Prerequisite(s):** Two classes in the 320 series: French 320, 324, 325, 326, 327.

**Unit(s):** 1

**FREN 471 Francophone Studies**

Literary and cultural studies of modern Francophone texts by African, Caribbean, Québécois, Maghrebian, and other French-speaking writers. Recent topics include: tradition, postcolonialism and modernity; aesthetics; négritude; and globalization.

**Prerequisite(s):** Two classes in the 320 series: French 320, 324, 325, 326, 327.

**Unit(s):** 1

**FREN 487 Contemporary Ideas**

Readings and discussion of recent works which have provoked political or intellectual debate in France and the French-speaking world.

**Prerequisite(s):** Two classes in the 320 series: French 320, 324, 325, 326, 327.

**Unit(s):** 1

**FREN 491 Honors Thesis I**

Research on a topic of interest, design of an original thesis and draft of a first version of the honors thesis under the supervision of a thesis's advisor.

**Prerequisite(s):** Acceptance into French Honors Program

**Unit(s):** .5

**FREN 492 French Honors Thesis II**

Completion of a 25-30 page honor thesis and presentation of research at the French Studies Symposium.

**Prerequisite(s):** French 491

**Unit(s):** 1

**FREN 495 Independent Study**

Special projects individually pursued under supervision of faculty member.

**Prerequisite(s):** Permission of department.

**Unit(s):** .5-1

**FREN 497 Selected Topics**

Experimental topics based on student and faculty interests. Recent topics: autobiography, the emergence of drama, the letter in philosophy and

literature, women writing in French.

**Prerequisite(s):** Two classes in the 320 series: French 320, 324, 325, 326, 327.

**Unit(s):** 1

**Geography**

*Christopher L Stevenson, Chair*  
*Assistant Professors Finley-Brook, Lookingbill,*  
*Salisbury*  
*Director of Spatial Analysis Laboratory Klinker*

**The Geography Major**

**Note:** No grade below a C- (1.70) will be allowed for credit within the major.

9 units, including  
GEOG 210 Geographic Dimensions of Human Development  
GEOG 250 Introduction to Earth Systems and Physical Geography  
GEOG 260 Introduction to Geographic Information Systems  
MATH 119 Statistics for Social and Life Sciences (or equivalent research methods course, with approval of department)  
GEOG 401 Geography Capstone  
Four units in electives, which must include an approved experiential learning component (internship, field work, study abroad). Three of the electives must be at the 300 level or higher.

**The Geography Minor**

**Note:** No grade below a C- (1.70) will be allowed for credit within the minor.

6 units, including  
GEOG 210 Geographic Dimensions of Human Development  
GEOG 250 Introduction to Earth Systems and Physical Geography  
GEOG 260 Introduction to Geographic Information Systems  
Three units of electives in geography, to include no more than 1.0 unit of GEOG 390 nor more than 0.5 units of GEOG 388.

**Courses**

**GEOG 206 World Regional Geography-Developed Regions**

World's economically developed areas (Europe, North America, Australia, CIS [former Soviet Union], Japan).

**Unit(s):** 1

**GEOG 207 World Regional Geography-Developing Regions**

World's economically developing areas (Middle America, South America, Southwest Asia, Southeast Asia, India, China, Africa, Middle East).

**Unit(s):** 1

**GEOG 210 Geographic Dimensions of Human Development**

Introduction to geographic approaches to study of cultural, societal, economic, political, and environmental change. Topics include: spatial analysis techniques and theories; population distributions and migration; cultural geographies; global economic development and its distribution; urbanization; political geography; and human-environment relations. (Same as International Studies 210.)

**General Education Requirement:** (FSSA)

**Unit(s):** 1

**GEOG 215 Geography of the James River Watershed**

Study of the local environments and protected areas within the James River watershed. Explores the natural and human connections that define the resource challenges and opportunities within this urban watershed. (Same as Environmental Studies 215)

**Unit(s):** 1

**GEOG 220 Ecotourism**

Ecotourism integrates environmental protection, education, empowerment, local livelihoods, and responsible travel. The study of ecotourism allows students to document and analyze complex interactions between society and nature. (Same as Environmental Studies 220)

**Unit(s):** 1

**GEOG 250 Introduction to Earth Systems and Physical Geography**

Basic concepts of earth systems science and physical geography. Includes earth-sun relationships, weather and climate, environmental hydrology, landforms and geomorphology, climate change, and human-environment interactions. (Same as Biology 250 and Environmental Studies 250.)

**General Education Requirement:** (FSNB)

**Unit(s):** 1

**GEOG 260 Introduction to Geographic Information Systems**

Concepts of mapping and spatial analysis using the ArcView GIS software package. Includes map analysis, data presentation, analysis of spatial relationships, the creation of spatial and tabular data, and the introduction of ArcView software extensions. (Same as Biology 260 and Environmental Studies 260.)

**Unit(s):** 1

**GEOG 279 Middle Eastern Geographies: Patterns of Space and Place**

Introduction to geography of the Middle East, increasing understanding of this exciting, dynamic region. Explores the physical and historical geographies of the region, and patterns of language, ethnicity, religion, settlement, and conflict. Includes Orientalism, Post-Colonial theory, identity, and urbanization. The discipline of Geography provides a unique perspective on the Middle East by intergrating an understanding of the people with an understanding of the land.

**Unit(s):** 1

**GEOG 315 Landscape Ecology**

Applied science that focuses on the development, consequences, and management of environmental patterns. These patterns include the spatial distributions of species and the environment resources upon which they depend. Attention is paid to the importance of scale in natural resource management. Landscape ecology also emphasizes the role of humans in the environment.

**Prerequisite(s):** Geography/Environmental Studies 250, Environmental Studies 201, Biology 207, or permission of instructor

**Unit(s):** 1

**GEOG 320 Power, Space, and Territory: Geographies of Political Change**

Analyses of and explorations into the spatial dimensions and geographic characteristics of global, regional, and local political change; and the political economy and ecology of globalization. Topics include: imperialism; world systems theory; nationalism; regionalism; electoral geography; race, class and gender; political economy of trade and foreign aid; and political ecology. (Same as International Studies 320 and Political Science 320.)

**Prerequisite(s):** Geography 210 or Political Science 240 or 250.

**Unit(s):** 1

**GEOG 333 Geographies of Amazonia**

Explores the contradictions and connections of Amazonia. Considers the region's importance and relevance to the rest of the world through a study of the ecologies, histories, and geographies of Amazonia. Looks at the Amazon basin as much more than the world's greatest rainforest, richest reserve of biological and cultural diversity, and largest source of fresh water flow.

**Prerequisite(s):** IS/GEOG 210 or IS 290 or ENVR 201

**Unit(s):** 1

**GEOG 345 Society, Economy and Nature: Global Perspectives on Sustainable Development**

Applies geography's human-environment tradition to examine social, cultural, and economic dimensions of sustainability and sustainable development. Examinations into foundations and theories behind the concept of sustainable development, discussions and debates about its real-world applicability, and explorations into case studies addressing relationships and contradictions between human desires for material well-being, environmental protection, and maintenance of cultural and/or social traditions.

**Prerequisite(s):** ENVR 201, GEOG 210, or IS 210.

**Unit(s):** 1

**GEOG 350 Environmental Gradients**

Investigation of the approaches, key concepts, and methods of studying environmental gradients. Explores quantitative methods for describing different aspects of climate, water, nutrient, and biotic systems and their interactions. A modeling approach is introduced and different types of conceptual, statistical, and simulation models are

used to explore the different systems.

**Prerequisite(s):** Geography/Environmental Studies 250, Environmental Studies 201, Biology 207, Chemistry 110, or permission of instructor

**Unit(s):** 1

**GEOG 360 Environmental Remote Sensing**

Concepts of image acquisition, image interpretation, and satellite remote sensing. Includes electromagnetic spectrum concepts, acquisition of image data, visual characteristics of vegetation and landforms, image interpretation, classification and transformation, and integration of remotely sensed imagery into other spatial analysis systems. Student research projects. (Same as Biology 360 and Environmental Studies 360.)

**Prerequisite(s):** Environmental Studies/Biology/Geography 260 or permission of instructor.

**Unit(s):** 1

**GEOG 365 Advanced Spatial Analysis**

Advanced topics in Geographic Information Systems (GIS) theory and application. Topics include use of the Spatial Analyst, 3-D Analyst, raster data sets, the Idrisi Software System, projects in environmental location analysis, retail site location, and application of GIS techniques to biological, environmental, and social science issues. (Same as Environmental Studies 365.)

**Prerequisite(s):** Environmental Studies/Biology/Geography 260.

**Unit(s):** 1

**GEOG 370 Geographies of Economic Development and Globalization**

Geographic perspectives on economic development and spatial analysis of trends in the global economy. Topics include: natural resource location and distribution; commodity flows and chains; technological change and diffusion; international trade; entrepreneurship and innovation; industrial location theory; social and cultural dimensions of development; geographies of labor; and regional development theories and trends.

**Prerequisite(s):** Geography 210 or Economics 101 and 102.

**Unit(s):** 1



**GEOG 380 Selected Topics**

May be repeated when topics vary. (Same as International Studies 350.)

**Unit(s):** .25-1

**GEOG 388 Individual Internship**

Supervised independent work. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Permission of supervising instructor.

**Unit(s):** .25-1

**GEOG 390 Independent Study**

Topics independently pursued under supervision of a faculty member. May be repeated twice for a total of up to two units.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .5-1

**GEOG 401 Geography Capstone**

Capstone course is the culmination of the Geography major. The primary objective is to further develop students' ability to conduct geographic research through the practical application of geographic methods and theory. Students will synthesize their knowledge of geography with an individual thesis or group project.

**Prerequisite(s):** Geography/Interdisciplinary Studies 210, Geography/Biology/Environmental Studies 260, and two 300-level Geography courses of permission of instructor

**Unit(s):** 1

**GEOG 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**German Studies Program****Department of Modern Literatures and Cultures**

*Kathrin Bower, Section Coordinator*

*Associate Professor Bower*

*Director of German Language Program Sulzer-Reichel*

*Affiliated Faculty: Thomas Bonfiglio (Comparative Literature & Linguistics), Erik Craft (Economics), Ladelle McWhorter (Philosophy), Gary Shapiro (Philosophy), John Treadway (History), Hugh West (History)*

This section contains information specific to the degree programs in German studies. For full information regarding departmental policies relevant to all the MLC degree programs, study abroad, and course sequencing, see the main page of the Department of Modern Literatures and Cultures.

**Study Abroad**

Study and travel abroad are strongly encouraged for all students. German studies students can take advantage of semester or year exchange programs in Konstanz and Münster, Germany, as well as the summer program in Berlin.

**The Residency Requirement**

For all German Studies majors, at least 5 of the 9 courses required for the major must be taken on the University of Richmond campus. Majors must take at least one 400-level class on campus after studying abroad, regardless of whether or not they have sufficient credits to fulfill the major or minor requirements.

**The German Studies Major**

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.70).

9 courses including:

GERM 301 Conversation and Composition

GERM 321 Introduction to German Literature (18th-20th century)

Three additional 300-level courses in German

Two 400-level courses in German (one must be taken after return from study abroad)

Two additional courses selected from the list below (CLAC in German required)

ECON 210 The Economics of the European Union

MLC 256 Psychoanalysis, Literature, and Culture

MLC 340 European Romanticism

MLC 350 Introductory Linguistics

MLC 351 Contemporary Literary Theory

MLC 360 Representing the Holocaust

MLC 365 German Film in Context

HIST 233 Reformation Europe

HIST 240 European Thought 1650-1850

HIST 241 European Thought since 1850

HIST 242 Modern Germany

HIST 244 The Hapsburg Empire and After

HIST 248 European Diplomacy from Bismarck to Hitler

HIST 249 Twentieth-Century Europe

HIST 399 Holocaust

PHIL 272 Modern Western Philosophy

PHIL 275 Marx, Nietzsche, Freud

PHIL 336 Nineteenth-Century European Philosophy

PHIL 339 Topics in Existentialism

PHIL 344 Twentieth-Century Continental Philosophy

PHIL 357 Nietzsche

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

### **Cross-School Major in German Studies and International Business**

(Earned in conjunction with a major in the Robins School of Business with an international business concentration.)

9 courses and an interdisciplinary research project in addition to completing all requirements of the international business concentration for the business administration major, including

- Five units in German at the 300 or 400 level
- One semester full-time study at the Universität Münster School of Business and Economics (four courses)

- IDST 379 Interdisciplinary Research Project

A senior writing project (taken for one half unit as IDST 379) on a comparative topic dealing with international business and German culture, 20 pages, written in English or in German, making significant use of primary and secondary materials in both languages, conducted through independent study.

The German major/international business option represents a collaborative project between the Department of Modern Literatures and Cultures in the School of Arts and Sciences and the International Business Program in the Robins School of Business. Designated faculty members from each program will advise students upon declaration and as they progress through the major. The curriculum includes a semester abroad at one of the University's partner institutions. There, students will continue their Robins School concentrations and German Studies courses in classes with both local and other international students.

In order to prepare for the experience abroad, students in German will need to have completed at least German 202 on the Richmond campus. Students must take at least two courses in German at the Universität Münster.

Students are required to take one 400-level course in German upon their return.

### **Related Majors**

- Combined major in English and German literature
- International Studies: Modern Europe
- International Studies: World Politics and Diplomacy

### **The German Studies Minor**

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.70). Up to three classes may be transferred in toward the minor. Minors must take at least one 400-level class on campus after studying abroad, regardless of whether or not they have sufficient credits to fulfill the minor requirements.

Five courses, including:

GERM 301 Conversation and Composition  
 GERM 321 Introduction to German Literature (18th-20th century)  
 One additional 300-level course in German  
 One 400-level course in German  
 One course from the following list, with CLAC in German or one additional 300-level course in German

- MLC 256 Psychoanalysis, Literature, and Culture
- MLC 340 European Romanticism
- MLC 350 Introductory Linguistics
- MLC 351 Contemporary Literary Theory
- MLC 360 Representing the Holocaust
- MLC 365 German Film in Context

### Courses

#### **GERM 101-102 Elementary German**

Introduction to German language and culture.

**Prerequisite(s):** German 101 is prerequisite to 102.

**Unit(s):** 1-1

#### **GERM 201-202 Intermediate German**

Active practice and reinforcement of German language skills and study of culture.

**Prerequisite(s):** German 102 or permission of department. German 201 is prerequisite to 202.

**General Education Requirement:** (202 only, COM2)

**Unit(s):** 1-1

#### **GERM 301 German Conversation and Composition**

Development of fluency through conversation on topics selected for learning the common idiomatic expressions and basics of life in German-speaking countries. Practice in composition.

**Prerequisite(s):** German 202 or permission of department.

**Unit(s):** 1

#### **GERM 305 German Grammar and Composition**

Concise review of principles of German grammar and development of competent writing skills.

**Prerequisite(s):** German 202 or permission of department.

**Unit(s):** 1

#### **GERM 311 German Culture and Civilization**

An overview of the movements affecting cultural development in German-speaking countries from the Middle Ages to the present through the analysis of selected historical documents, literary and philosophical texts, films and the visual arts.

**Prerequisite(s):** German 202 or permission of instructor.

**Unit(s):** 1

#### **GERM 314 German through Theater**

Written analysis and evaluation of different plays, and selection, research, and performance of a play on stage. Provides advanced pronunciation practice as well as a platform for developing students' writing and interpretive skills and deepening their understanding of German culture.

**Prerequisite(s):** German 202 or permission of instructor.

**Unit(s):** 1

#### **GERM 321 Introduction to German Literature**

Introduction to analysis and interpretation of literary texts in their aesthetic, historical, socioeconomic, and cultural contexts. Development of written critical apparatus.

**Prerequisite(s):** German 202 or permission of department.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

#### **GERM 388 Individual Internship**

Internship experiences outside of the department in fields related to German studies. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Permission of department.

**Unit(s):** .5-1

#### **GERM 389 Practice Assistantship**

Students lead practice sessions associated with the elementary and intermediate language sequence in

German. The practice assistantship does not count as credit toward the major or minor. Up to one unit can be applied toward graduation credit.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25

**GERM 397 Selected Topics**

Special interest topics offered at department's discretion.

**Prerequisite(s):** German 301.

**Unit(s):** 1

**GERM 402 Advanced German Conversation**

Discussion at advanced level of fundamental themes in German thought and cultural history.

**Prerequisite(s):** German 301.

**Unit(s):** 1

**GERM 404 Advanced Composition and Syntax**

Advanced grammar, syntax and stylistics.

**Prerequisite(s):** German 301.

**Unit(s):** 1

**GERM 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**GERM 440 The Age of Idealism**

Survey of major movements of 18th and early 19th centuries: enlightenment, storm and stress, classicism and romanticism. Analysis of texts by Lessing, Kant, Winckelmann, Goethe, Schiller, Schlegel, Tiede, Kleist, and Novalis.

**Prerequisite(s):** German 321.

**Unit(s):** 1

**GERM 452 Fin-de-siècle**

A comparison of Austrian writers from 1900s and 2000s, including Freud, Schnitzler, Kafka, Mach, Steeruwitz, Jelinek, and others.

**Prerequisite(s):** German 321.

**Unit(s):** 1

**GERM 465 Rebels with a Cause: Political Satire**

Analysis of political and socially critical poetry, prose, images, and songs from the 19th century to the present.

**Prerequisite(s):** German 321.

**Unit(s):** 1

**GERM 471 Sexuality and German Society**

Examination of various representations of sexuality and the construction of gender in contemporary German literature and film.

**Prerequisite(s):** German 321.

**Unit(s):** 1

**GERM 472 Culture Wars & Identity Debates in German Society from Empire to EU**

Analysis of literary and cinematic texts on culture and social relations in Germany from the 19th-century to the present.

**Prerequisite(s):** German 321.

**Unit(s):** 1

**GERM 495 Independent Study**

Special projects individually pursued under supervision of faculty member.

**Prerequisite(s):** Permission of department.

**Unit(s):** .5-1

**GERM 497 Selected Topics**

Special interest topics offered at department's discretion.

**Prerequisite(s):** German 321.

**Unit(s):** 1

## Greek

### Department of Classical Studies

*Dean Simpson, Chair*

*Professor Simpson*

*Associate Professors Laskaris, Stevenson*

*Assistant Professor Baughan*

### The Greek Major

**Note:** A grade of not less than C- (1.70) is required in all coursework comprising the major.

10 units, including

Two units, selected from

CLSC 301 Greek Art and Archaeology

HIST 221 Classical Greece or HIST 222

Hellenistic Greece and Republican Rome or

HIST 223 The Roman Empire

CLSC 305 Greek and Roman Values or

CLSC 306 The Classical Tradition

GREK 498 Major Seminar

Seven units of Greek electives

**Note:** A minimum of two years of Latin is recommended for students intending to pursue graduate study.

### Related Major

Combined major in Greek and English

### The Greek Minor

**Note:** A grade of not less than C- (1.7) is required in all coursework comprising the minor.

Six units of Greek with at least two units at the 300 or 400 level.

### Courses

#### **GREK 101-102 Elementary Greek**

Introduction to ancient Greek language and culture.

**Prerequisite(s):** Greek 101 is prerequisite to 102.

**Unit(s):** 1-1

#### **GREK 201-202 Intermediate Greek**

Continued study of ancient Greek language and culture plus selected readings.

**Prerequisite(s):** Greek 102 or permission of department. Greek 201 is prerequisite to 202.

**General Education Requirement:** (202 only, COM2)

**Unit(s):** 1-1

#### **GREK 301 Greek Epic**

Readings from Homer's "Iliad" and "Odyssey."

**Prerequisite(s):** Greek 202 or permission of department.

**Unit(s):** 1

#### **GREK 302 Greek Drama**

Readings from Sophocles and Euripides.

**Prerequisite(s):** Greek 202 or permission of department.

**Unit(s):** 1

#### **GREK 303 Greek Historiography**

Readings from Herodotus and Thucydides.

**Prerequisite(s):** Greek 202 or permission of department.

**Unit(s):** 1

#### **GREK 304 Greek Philosophical Prose**

Readings from Plato and Aristotle.

**Prerequisite(s):** Greek 202 or permission of department.

**Unit(s):** 1

#### **GREK 398 Selected Topics**

Topics or themes in Greek literature. May be repeated for credit when topic varies.

**Prerequisite(s):** Greek 202 or permission of department.

**Unit(s):** 1

#### **GREK 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours



per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

### **GREK 498 Major Seminar**

Required of all majors. Methodologies appropriate to Greek studies and the writing of a research paper.

**Prerequisite(s):** Permission of department.

**Unit(s):** 1

### **GREK 499 Independent Study**

Content suited to the requirements and interests of student, chosen by student and faculty director in advance of the semester in which the independent study is to be done.

**Prerequisite(s):** Permission of department.

**Unit(s):** .5-1

## **History**

### **Department of History**

*Hugh West, Chair*

*Professors Ayers, Gordon, Holton, Kenzer, Summers, Treadway*

*Douglas Southall Freeman Professor Patrick Geary (Fall 2011)*

*Associate Professors Brandenberger, Drell, Watts, H. West*

*Assistant Professors Loo, Meyer, Routt, Sackley, Yanikdag, Yellin*

*Director of Pre-Law Advising McGarvie*

*Affiliated Faculty: Howard (Center for Civic Engagement), Leary (University Professor), Pagan (Law), Roberts (Continuing Studies), Stevenson (Classics)*

### **The History Major**

**Note:** A grade of not lower than C (2.0) is required in each course comprising the major.

10 units, including

- HIST 199 Elements of Historical Thinking (Formerly HIST 100)
- One course in United States history
- One course in European history
- One course in Asian, Latin American, Middle Eastern or African (ALAMEA) history
- HIST 400 Research Seminar for Majors
- Five units history electives

### **Notes**

- At least seven units must be above the 100 level.
- At least two units must be at the 300 level.
- History courses at the 100, 200 and 300 level may be applied to the distribution requirement.

### **The History Minor**

**Note:** A grade of not lower than C (2.0) is required in each course comprising the minor.

5 units, with no more than two at the 100 level

### **Honors Program**

Majors who meet the School of Arts and Sciences requirements for departmental honors are encouraged to apply for and pursue the honors program in history. To earn honors in history a student must complete 3.5 units in honors courses:

- HIST 410 Historiography
- HIST 411 Honors Thesis Prospectus
- HIST 412-413 Honors Thesis

Honors students are exempt from HIST 400, but must satisfy all other requirements for the major. HIST 410 may replace one 300-level course.

### **Internships**

The Department of History has a program of prearranged individual internships. Interested students should inquire in the department or check the department Web page for details.

### **Courses**

**HIST 110 Ideas and Institutions of Western Civilization I**

Topical study of western heritage from Classical Greece through Reformation.

**General Education Requirement:** (FSHT)

**Unit(s):** 1

**HIST 111 Ideas and Institutions of Western Civilization II**

Topical study of western heritage from rise of modern political concepts in 17th century to present.

**General Education Requirement:** (FSHT)

**Unit(s):** 1

**HIST 199 Elements of Historical Thinking**

Introduction to aims and methods of historical thinking. Through concentrated exploration of a particular historical issue, students develop their understanding of the nature and limits of historical evidence, various legitimate ways of approaching it, and the art of making persuasive claims about it. Students may take no more than two History 100 courses. Each course must be on a different topic.

**General Education Requirement:** (FSHT)

**Unit(s):** 1

**HIST 200 Colonial America**

Survey of colonial history from earliest British settlements to the end of French and Indian War in 1763.

**Unit(s):** 1

**HIST 201 The American Revolution**

Study of the War of Independence and formation of the Republic, 1763-1788.

**Unit(s):** 1

**HIST 202 American Women from the Colonial Period to the Present**

Introduction to experience of women in history of America from colonial times to present.

**Unit(s):** 1

**HIST 204 The Civil War and Reconstruction**

Examination of slavery, sectional controversy, secession, the war, and the political, economic, and social problems of Reconstruction.

**Unit(s):** 1

**HIST 211 The U.S. South in the Twentieth Century**

Examination of the social, cultural, political and economic history of the South in the twentieth century. Major themes will include the rise and fall of legalized segregation, the development of a viable Republican Party in the region, the role played by reformers and activists, and the power of historical memory. Major events in the region will be regarded from multiple perspectives: black and white, male and female, landed and landless, Republican and Democrat, moderate and activist.

**Unit(s):** 1

**HIST 212 The Civil Rights Movement**

Examination of the Civil Rights movement in the U.S., especially its social origins and consequences and implications. Topics include sit-ins, mass protest, freedom rides, the voting rights campaign, the black power movement, and radical and reform organizations and leaders.

**Unit(s):** 1

**HIST 214 United States and the World, 1877-1945**

Survey of the history of the United States from the end of the 19th through first half of the 20th century in transnational perspective, examining how the modern United States was formed through economic, cultural, political, and military encounters with peoples, governments, and places around the world. Topics covered will include imperialism, migration, citizenship, the rise of the United States as a global power, American culture abroad, and the role of the United States in World War I and World War II.

**Unit(s):** 1

**HIST 215 United States and the World Since 1945**

Survey of the history of the United States since World War II in transnational perspective. Topics will include the Cold War, the interrelationship between foreign policy and domestic politics, American involvement in the developing world, migration, citizenship, and economic and cultural globalization.

**Unit(s):** 1

**HIST 216 American Cultural and Intellectual History Since 1865**

Survey of American ideas and culture since the Civil War. Topics will include the "social questions" of the 19th century; visions of the self and society; the role of science and expertise in American life; political debates over freedom and the market; and cultural battles over pluralism and American identity.

**Unit(s): 1**

**HIST 217 State and Society in the United States, 1890-1945**

Survey of United States political and social development in the early 20th century. Topics include the rise of the modern American state, industrialization, the rise of American cities, the Great Depression and the response of national and local governments, the domestic impact of the World Wars, immigration, and the development of racial and ethnic identities in the modern United States.

**Unit(s): 1**

**HIST 218 State and Society in the United States since 1945**

Survey of United States political and social development in the late 20th century. Topics include globalization, the transformation of the American labor movement, urban crises and suburbanization, post-1964 immigration (with special emphasis on Asian- and Latino-Americans), the rights revolutions, the Cold War, the career of the modern American welfare state, the rise of modern American conservatism, and the impact of September 11, 2001.

**Unit(s): 1**

**HIST 219 Work in Twentieth-Century America**

Exploration of the connections between work and political, economic, and cultural life in America in the last century, addressing such questions as: How did the meaning of work change for Americans in the twentieth century? How did work generate protests, legislation, electoral triumphs, and political falls from grace?

**Unit(s): 1**

**HIST 220 The Aegean Bronze Age**

Survey of the third and second millennia B.C.E. civilizations of the Aegean Sea basin and the interconnections between them and other major civilizations of the ancient Near East Bronze Age.

**Unit(s): 1**

**HIST 221 Classical Greece**

Survey of Greek history from end of the Bronze Age through career of Philip II of Macedon.

**Unit(s): 1**

**HIST 222 Hellenistic Greece and Republican Rome**

Investigation of rise of the Roman hegemony in context of the Hellenistic Mediterranean. Special attention given to role of Hellenistic kings.

**Unit(s): 1**

**HIST 223 The Roman Empire**

Study of how the Romans and their Byzantine followers maintained an empire in the hostile atmosphere of the first five centuries of our era.

**Unit(s): 1**

**HIST 224 European Women and Gender before Suffrage**

Introduction to the history of women in Europe from ancient times through the 19th century. Focus on continuities and changes in the female experience in such historical moments as Ancient Greece, Reformation Germany, and the French Revolution. Source material includes women's diaries, letters, speeches, and philosophical treatises.

**General Education Requirement: (FSHT)**

**Unit(s): 1**

**HIST 225 Medieval Italy**

Study of Italy from the formation of the communes to the first stirrings of the Renaissance. Emphasis on the development of the commercial economy, differential development between North and South, the emergence of a strong Papal State, and the causes and effects of the Great Plague.

**Unit(s): 1**

**HIST 226 The Early Middle Ages**

Survey of social and intellectual developments in Europe from Late Antiquity to the 11th century. Emphasis on the birth and development of the political and institutional successors to the Roman Empire.

**Unit(s): 1**

**HIST 227 The High Middle Ages**

Overview of some of the principal social, political, and cultural developments in Europe c. 1000-1300

with special attention to the increasing vitality of urban culture, the varying position of women, the formation of bureaucratic "states," and the emergence of such concepts as romantic love and individualism.

**Unit(s):** 1

**HIST 228 The Medieval Economy: Pre-Industrial Europe, 500-1500**

Examination of the evolution of the European pattern of economic life and organization from the decline of Rome through the close of the Middle Ages. The contributions of all social and economic strata -- from peasant to townsman to clergy to aristocrat to monarch -- to the economy will be considered. Topics include the agricultural revolution, the emergence of urban life, technological advances, the trends in population including the impact of famine and pestilence, the evolution of commercial and manufacturing techniques, economic roles of women, Jewish communities within the Medieval economy, Medieval economic mentality and doctrine, the underground economy, and the merchant as adventurer.

**Unit(s):** 1

**HIST 229 Anglo-Saxon England**

Examination of Britain's history from its earliest inhabitants through the Norman Conquest. Topics addressed include Celtic Britain, Roman Britain, the historical Arthur, forging of the Anglo-Saxon kingdoms and church, Celtic and Anglo-Saxon women, and the Viking incursions.

**Unit(s):** 1

**HIST 230 The Renaissance**

Overview of the culture, politics, economics, modern science, and overseas expansion of the Renaissance, especially in Italy.

**Unit(s):** 1

**HIST 231 Norman and Plantagenet England**

Examination of Britain's history from the Norman Conquest through the close of the Wars of the Roses and the eve of the Reformation. Topics include the development of Common Law, the evolution of parliamentary government, English medieval women, Anglo-Celtic and Anglo-French relations, the Black Death, and the Hundred Years War.

**Unit(s):** 1

**HIST 232 The Late Middle Ages**

Survey of the unraveling of Europe's medieval institutions and the transition to early modernity during the fourteenth and fifteenth centuries. Topics addressed include the Great Famine and the Black Death, popular uprisings, late medieval warfare, crises in the church, popular heresy, and the medieval understanding of dying and death.

**Unit(s):** 1

**HIST 233 Reformation Europe**

Survey of the Protestant and Catholic reformations with emphasis on the social, political, and cultural implications of church reform.

**Unit(s):** 1

**HIST 234 Georgian Britain, 1714-1837**

Constitutional, political, economic, social, and cultural developments in England, Scotland, and Ireland from accession of the Hanoverians through the Great Reform Bill.

**Unit(s):** 1

**HIST 235 France: Old Regime and Revolution**

Examination of the social, political, and economic institutions that helped shape the modern French state from the Age of Absolutism through the French Revolution and rise of Napoleon.

**Unit(s):** 1

**HIST 236 Russian Empire, Soviet Union, and After**

Political, social, diplomatic, and cultural overview of the fate of the Russian Empire and Soviet Union from the Napoleonic Wars through the end of the Cold War with special focus on nationalism, socialism, Stalinism, and the fall of the USSR.

**Unit(s):** 1

**HIST 237 The Last Soviet Generation**

Examination of the world of the last generation to live under Soviet communism. What sort of people made up the last Soviet generation? Where did its sense of public conformity and private independence come from? What can explain its "apoliticism" against a background of ubiquitous propaganda? What can explain its intense individualism within a society ostensibly organized along collectivist lines? Why are terms like loyalist, timeserver, and dissident inadequate for describing members of this social cohort?

**Unit(s): 1**

**HIST 238 France: The Age of Absolutism, 1610-1780**

Examination of the growth of the French state under the Bourbon monarchy and the centralizing policies of ministers Richelieu, Colbert and Fleury that saw the expansion of venal office holders and robe nobles as well as the critical counter voices of Enlightenment thinkers and the protests of unruly commoners. How did Louis XIV help to make France a world power? What contributed to its vibrant culture emulated throughout Europe? How did the claims of absolute rule give way to liberal ideas of equality and liberty?

**Unit(s): 1**

**HIST 239 The French Revolution**

Examination of the social, political, economic and cultural aspects of the Revolution of 1789 in France with particular attention to ideas of liberty and equality and their implementation in the early and later, more radical, phases of revolution, ending with the rule of Napoleon as child of the Revolution and Emperor of France.

**Unit(s): 1**

**HIST 240 Modern European Thought, 1650-1850**

Examination of developments in philosophy and letters, focusing on nature and role of science, art, politics, religion, sex, emotion, and history.

**Unit(s): 1**

**HIST 241 Modern European Thought since 1850**

Examination of developments in philosophy and letters, focusing on liberalism, Marxism, Freudianism, existentialism, behaviorism, and post-modernism.

**Unit(s): 1**

**HIST 242 Modern Germany**

Study of Prussia and Germany from 1848 to present. Emphasis on unification, political movements, Nazism, and origins and effects of World Wars I and II.

**Unit(s): 1**

**HIST 243 Modern Britain**

Examination of Constitutional, political, economic, and social developments in the United Kingdom

during the Victorian era and 20th century.

**Unit(s): 1**

**HIST 244 The Hapsburg Empire and After**

Survey of rise and fall of Hapsburg Empire beginning with development of lands of the house of Hapsburg from Middle Ages to Napoleonic era; political, military, diplomatic, economic, social and cultural issues in Austrian (Austro-Hungarian) Empire from Congress of Vienna to end of World War I, and in the empire's successor states in Central Europe.

**Unit(s): 1**

**HIST 245 Modern Balkans**

Survey of Balkan history in modern times, focusing on the development of Bulgaria, Romania, Albania, the Yugoslav lands, and Greece.

**Unit(s): 1**

**HIST 246 Russia in Revolution, 1905-1934**

Examination of Russia in revolution from the attempts at reform in 1905, through the Bolshevik seizure of power in 1917 and the subsequent consolidation of power under Lenin and Stalin. Special emphasis on the nature of "revolution" and questions of agency and contingency.

**Unit(s): 1**

**HIST 247 Modern Ireland**

Topical examination of the history of Ireland from late 17th century to present. Attention will be given to Ireland's society, economy, politics, international position, and special, often tortuous, relationship with its more powerful neighbor, the United Kingdom.

**Unit(s): 1**

**HIST 248 European Diplomacy from Bismarck to Hitler**

Studies in European diplomatic history from mid-19th century to World War II.

**Unit(s): 1**

**HIST 249 Twentieth-Century Europe**

Overview of European political, diplomatic, military, social, economic, and cultural history since 1900.

**General Education Requirement: (FSHT)**

**Unit(s): 1**



**HIST 250 Modern East Asia: 1600-1960**

Exploration of the journeys that China, Korea, and Japan took that have resulted in the shape of East Asia as we know it today, examining their long history of interconnection and philosophical, cultural, and political traditions and the different ways they respond to similar issues at the same time.

**Unit(s):** 1

**HIST 251 Chinese Revolutions**

Study of the several Chinese revolutions that together spanned the better part of the twentieth century and changed China in fundamental ways, with particular focus on the life and work of the main instigator of those revolutions, Mao Zedong.

**Unit(s):** 1

**HIST 252 Modern China: 1900-1940**

Investigation of the period 1900-1940, during which many aspects of the modern Chinese state and society were established. Includes the emergence of Chinese national identity, Chinese vernacular, and the political ideologies that continue to define China today. Also studies the emergence of a sophisticated urban culture in cities like Shanghai, and radical transformations in the social fabric of Chinese society.

**Unit(s):** 1

**HIST 253 Empires and Nations in Modern East Asia**

Examination, using East Asia as a case, of ideologies and logics of modern empire and nation formations, and their dynamic interactions in the modern world. Topics include the collapse of the Chinese Qing Empire, the arrival of Western imperialism, the rise of the Japanese empire, and the emergence of East Asian nationalism as reactions to these developments.

**Unit(s):** 1

**HIST 254 Modern Japan**

Examination of Japan's response to Western pressures and rise to world power in 19th and 20th centuries.

**Unit(s):** 1

**HIST 255 Meiji Japan: An Emperor and The World Named for Him**

Examination of the reign of the Meiji emperor (1868-1912), considered to be the period in which modern Japan emerges, as a loose unifying metaphor for the

many radical shifts in Japanese society, politics, and culture that occurred in his time.

**Unit(s):** 1

**HIST 260 Colonial Latin America**

Exploration of the multiple meanings and impacts of the complex, cataclysmic and often times bloody encounter between conquering Iberians (people from Spain and Portugal), Africans and the indigenous people of the Americas and the development of Latin America colonial societies until their national independence in the early nineteenth century.

**Unit(s):** 1

**HIST 261 Modern Latin America**

Introductory survey of Latin American history from independence; focus on the quest for political stability, economic development, and social change.

**Unit(s):** 1

**HIST 262 The Making of Modern Brazil**

Study of how modern Brazil came to be with special attention to comparative issues in the study of slavery, race, gender, and ethnicity.

**Unit(s):** 1

**HIST 263 Latin America in the Cold War Years**

Examination of internal and external forces behind the conflicts across Latin America during the Cold War (1948-1989): revolutionary regimes, guerrilla warfare, military repression, counterinsurgency and "dirty wars," Liberation Theology, evangelical movements, land reforms, economic development, genocide, and proxy wars.

**Unit(s):** 1

**HIST 264 Beyond Samba, Futebol, and Favelas: The History of Afro-Brazil**

Examination of race as a significant aspect of Brazilian history and Brazilian nationhood from the colonial era to the contemporary period. Ideological constructs of the state and elites will be considered alongside the political projects and social experiences of the popular classes. Ideas about race and being "Brazilian" will be traced from early cultural and scientific debates to modern political projects and conflicts involving labor relations, immigration policies, and education programs.

**Unit(s):** 1

**HIST 265 Gender and Sexuality in Latin American History**

Exploration of the socio-political, cultural and economic processes through which gender, sexuality, class, and ethnic/cultural dynamics are interconnected and constructed in Latin America from the colonial era to the contemporary period. Focus will be on the complicated relationships between historically specific ideologies and socio-economic systems of production and domination, and the respective privileged or unprivileged positions of women and men under the colonialist, capitalist, socialist, and neoliberal states of Latin America.

**Unit(s): 1**

**HIST 270 Early Islamic World**

Introduction to the major institutions that evolved under the aegis of Islamic Civilization from the advent of Islam in the early seventh century C.E. through the Mongol invasion in 1258. Since "Islam" in this context encompasses an entire cultural complex, the course will examine religious, political, economic, and social institutions.

**Unit(s): 1**

**HIST 271 The Modern Middle East**

Survey of Middle East from last years of Ottoman Empire to the present. Emphasis on culture, Zionism, Arab nationalism, diplomacy, and the Arab-Israeli conflict.

**Unit(s): 1**

**HIST 272 The Ottoman Empire**

Survey of the history of Ottoman Turkish power from its origins as an obscure band of frontier warriors (ghazis), to its emergence as a world-empire and its eventual collapse in the aftermath of World War I.

**Unit(s): 1**

**HIST 281 Africa, c. 1500 to c. 1900**

Introduction to economic, social, political, and intellectual history of Africa from time of trans-Atlantic slave trade to colonial conquest.

**Unit(s): 1**

**HIST 282 Africa in the Twentieth Century**

Introduction to economic, social, political, and intellectual history of Africa from colonial period to present.

**Unit(s): 1**

**HIST 283 South Africa since 1500**

Topical overview of South Africa from precolonial period to present, with special attention to conquest, economic development, establishment of the migrant labor system, segregation, and rise and fall of formal apartheid.

**Unit(s): 1**

**HIST 290 British Empire and Commonwealth**

Survey of British imperialism from the end of American Revolution through development of the modern Commonwealth. Emphasizes Canada, India, Africa, and Australia.

**Unit(s): 1**

**HIST 291 History of Canada**

Survey of the development of Canadian society and state, emphasizing factors of geography, politics, and economics; influences from France and Great Britain; problems of regionalism and nationalism; and Canadian-American relations.

**Unit(s): 1**

**HIST 299 Special Topics: Periods and Regions**

First-time or one-time courses in regions and periods not covered or not yet covered in the history program.

**Unit(s): 1**

**HIST 300 Early American Women**

Study of American women of all ranks and ethnicities from the transatlantic encounter in 1492 to the Seneca Falls convention of 1848. Major themes include changing constructions of gender, political struggles, and interactions among women of native, African and European origins.

**Unit(s): 1**

**HIST 301 The Civil War in Film and Literature**

Comparison of historians' treatments of the Civil War with its portrayal in documentaries, feature films, and literature.

**Unit(s): 1**

**HIST 303 Psychology in American Society and Culture**

(See Psychology 437.)

**Unit(s): 1**

**HIST 305 The Urban Crisis in America**

Exploration of the many changes that cities have undergone between 1945 and the present including segregation, rising crime rates, and failing schools and the responses to these pressing issues by the government, planners, and citizens. Grounded in a historical perspective on the urban crisis, this course uses tools of historical inquiry to probe the underlying causes of problems that plague urban America and to consider possible solutions.

**Prerequisite(s):** Participation in the Sophomore Scholars in Residence program.

**Unit(s):** 1

**HIST 306 American Identities**

Thematic exploration of historical issues of identity development and construction in the twentieth-century United States, focusing on such questions as: What do historians mean by "identity"? How do they use categories like race, class, and gender to understand the American experience? How have they approached issues of status, power, and individuality?

**Unit(s):** 1

**HIST 307 Intellectual History of the American Founding**

Examination of recent scholarship on the intellectual history of America, 1776-1800, focusing on the questions of whether the Constitution was a fulfillment or repudiation of Revolutionary aims and what was the meaning of Jefferson's election to the presidency in 1800.

**Unit(s):** 1

**HIST 321 History of Work in Europe**

Historical study of the world of work in early modern and modern Europe. Focus on the nature of work itself, how it framed mentalities, created social classifications, informed economic thought, and shaped the political process. Topics include history of wage labor and guilds, early industry from countryside to cities, working class formation, division of labor in industry, and policing labor.

**Unit(s):** 1

**HIST 322 Conquest and Coexistence: Medieval Frontier Society**

Examination of Medieval frontier societies in a comparative perspective, considering such themes as

political organization and allegiances, and social, economic and religious life. Consideration given to both geographic and cultural frontiers--places where movement, confrontation, and intersection among peoples occurred. Particular emphasis on the dynamic of contact and separation, cultural exchange, and resistance in Southern Italy, Spain, the Crusader States, and the British Isles.

**Unit(s):** 1

**HIST 323 The Victorians**

Exploration of individuals and socio-economic groups who lived in and helped define Britain in the reign of Queen Victoria, 1837-1901.

**Unit(s):** 1

**HIST 324 Text and Context: Anna Karenina and Her World**

Interdisciplinary investigation of the Russian Great Reforms (1861-1881) through the lens of L.N. Tolstoi's "Anna Karenina." Examines issues connected to imperial Russian literary, social, cultural, and political history, as well as the subject of gender relations.

**Unit(s):** 1

**HIST 325 The Enlightenment**

An exploration of approaches to and conceptions of what historians have come to call the "Enlightenment." What do they mean by "The Enlightenment?" In what ways do they seek fuller understanding of it? How and why do they disagree about its features? Although the main focus will be on secondary literature, primary texts will be read and discussed as examples of the kind of evidence scholars are trying to interpret.

**Unit(s):** 1

**HIST 340 Imagining the Other: China and the West**

Examination of selected images China and "the West" constructed of each other in the past two and a half centuries and of the driving forces and mechanisms behind their production.

**Unit(s):** 1

**HIST 341 History and Memory: WWII in East Asia**

Examination of the lingering controversies surrounding the history of WWII in East Asia. The focus is on the intersections of history and memory,

and the politics of remembering and representing difficult historical events associated with the war. Issues include the Nanjing Massacre, comfort women, the bombing of Hiroshima and Nagasaki, and the Battle of Okinawa.

**Unit(s):** 1

**HIST 361 Madness and Society in the Modern Era**

Historiographical examination of such questions as: What is insanity? How do we define the normal and the pathological? Who in society is best suited to determine psychological health and sickness? Can there be sciences of the emotions and sexuality? How do class, race, religion, and gender influence our views of human mental functioning? Can the human mind know itself? How did the sciences of the mind (i.e. psychiatry, psychoanalysis, clinical psychology, psychopharmacology, and the cognitive neurosciences) claim tremendous scientific authority and exert enormous cultural influence at the turn of the twentieth century? A variety of settings will be considered, including continental Europe, North America, Latin America, and Africa from the late eighteenth to the early twentieth centuries.

**Unit(s):** 1

**HIST 370 Contending Visions of the Middle East**

Examination of major debates in the field of Modern Middle Eastern and Islamic History, exploring what the main approaches and their critiques are, how the field (especially recently) came to be polarized and politicized, and where more fruitful middle ground might be found between these hardened categories. Topics will include Orientalism and its discontents, the rise of political Islam, nationalism, and "civilizational identities."

**Unit(s):** 1

**HIST 380 Women and Gender in African History**

Examination of women's roles in and perspectives on some of the major issues in African history, including slavery, colonialism, and development.

**Unit(s):** 1

**HIST 390 Food and Power in Africa and Asia**

Comparative exploration of the connection between food (cultivation, processing, distribution, consumption, and denial) and political legitimacy, social institutions, and individuals' identities and values in Asia and Africa from antiquity to present.

**Unit(s):** 1

**HIST 391 Transnational Social Reform**

Exploration of the ideas, institutions, and social networks around which movements for transnational reform have been built. Students will examine the history of four movements for transnational social reform since the early 19th century: abolitionism, women's rights, anticolonialism, and environmentalism.

**Prerequisite(s):** At least one other history course.

**Unit(s):** 1

**HIST 392 Nations and Nationalisms**

Investigation of the confusing theoretical terrain of nation, nationalism, and national identity through a survey of major 19th and 20th century schools of thought, culminating in students' own case studies of specific national movements.

**Unit(s):** 1

**HIST 399 Special Topics: Focused Themes**

First-time or one-time colloquia on focused topics not covered or not yet covered in the history program.

**Unit(s):** 1

**HIST 400 Research Seminar for Majors**

Required seminar for majors taken in junior or senior year. Investigation of a topic of limited focus culminating in substantial paper based on common reading and individual research in primary and secondary materials. Topics and instructors vary. See departmental Web site for seminar topics. Enrollment limited to 12 students.

**Unit(s):** 1

**HIST 401 Directed Study**

Individually designed reading or research program conducted under faculty supervision.

**Prerequisite(s):** Five courses in history and permission of department.

**Unit(s):** .5-1

**HIST 402 Individual Internship**

Practical history-related work combined with some academic study.

**Prerequisite(s):** Permission of department.

**Unit(s):** .5-1

**HIST 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**HIST 410 Historiography**

Introduction to principles and practices of historical writing. Although some attention is paid to the history of historical writing since classical times, focus will be on contemporary modes of historical writing.

**Unit(s):** 1

**HIST 411 Honors Thesis Prospectus**

Preparation of research prospectus for honors research seminar under direction of appropriate faculty.

**Prerequisite(s):** History 410 and admission to departmental honors program.

**Unit(s):** .5

**HIST 412-413 Honors Research Seminar**

Research and writing of honors thesis in history.

**Prerequisite(s):** History 410 and 411 and admission to departmental honors program. History 412 is a prerequisite to 413.

**Unit(s):** 1-1

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**Integrated Quantitative Science Program**

*Professor Parish (Chemistry)*  
*Associate Professors Caudill (Mathematics and Computer Science), Fetea (Physics), Gentile (Chemistry), A. Hill (Biology), Kerckhove (Mathematics and Computer Science), Lawson (Mathematics and Computer Science), Stenger (Biology), Szajda (Mathematics and Computer*

*Science)*

*Assistant Professor Lipan (Physics)*

The integrated quantitative (IQ) science course is a first-year course for prospective science majors that provides an integrated introduction to biology, chemistry, physics, mathematics and computer science, with an accompanying integrated lab. It will approach scientific inquiry from multiple perspectives to develop the kinds of cross-disciplinary problem-solving skills that will lead to significant advances in human understanding. Each semester of the course will be organized around a guiding principle that integrates several concepts.

Instruction will be wholly integrated. An instructor from each of the five disciplines will be present for each lecture and presentation of the material will flow between disciplines. Topics for the course will be organized around broad conceptual areas (such as "State, Structure and Storage"), allowing each of the disciplines to be integrated into the discussion. Lab work will require skills from each of the disciplines and will take place in collaborative teams.

**Purpose**

The yearlong course is designed for high-achieving high school students who enjoy the challenges of solving tough problems, have completed high school calculus and are planning to major in any of the sciences or mathematics. For students planning to enroll in the pre-med program, IQ science meets three of the program's course requirements. Students are required to apply for the course. The application asks for a listing of high school science and mathematics courses with grades and level (honors, AP, IB, etc.) as well as a short statement indicating the applicant's interest in interdisciplinary science and motivation for taking the course.

**Courses**

The IQ Science course has a fall component and a spring component; each component consists of two 1-unit courses. Students who successfully complete one semester of the courses will satisfy both the Field of Study requirement in the Natural Sciences (FSNS) and the Field of Study requirement in Symbolic Reasoning (FSSR). Students who successfully complete both semesters of the course will earn four units toward graduation. The IQS courses may substitute for any of the following requirements: BIOL 199, CHEM 141, CMSC 150, MATH 231, and PHYS 131.

**BIOL 190 Integrated Science/Math/Computer Science 1 with Lab**

(See Biology section). Co-requisite: Math 190. 1 unit. (FNSB)

**MATH 190 Integrated Science/Math/Computer Science 2 with Lab**

(See Math section.) Co-requisite: Biology 190. 1 unit. (FSSR)

**CHEM 191 Integrated Science/Math/Computer Science 3 with Lab**

(See Chemistry section.) Prerequisites: Biology 190 and Math 190. Co-requisite: Physics 191. 1 unit.

**PHYS 191 Integrated Science/Math/Computer Science 4 with Lab**

(See Physics section.) Prerequisites: Biology 190 and Math 190. Co-requisite: Chemistry 191. 1 unit.

### Courses

#### **BIOL 190 Integrated Science/Math/Computer Science 1 with Laboratory**

One of two courses taught fall semester as part of Integrated Quantitative Science program. Will integrate topics from Biology, Chemistry, Physics, Math and Computer Science and will include instructors from all five disciplines. Each semester of the course will be organized around a guiding principle that integrates several concepts. Along with co-requisite, will include ten hours for lecture and lab combination.

**Prerequisite(s):** High school calculus. Co-requisite: Math 190. Departmental approval.

**General Education Requirement:** (FSNB)

**Unit(s):** 1

#### **MATH 190 Integrated Science/Math/Computer Science 2 with Laboratory**

One of two courses taught fall semester as part of Integrated Quantitative Science program. Each semester of the course will be organized around a guiding principle that integrates several concepts. Along with co-requisite, will include ten hours for lecture and lab combination.

**Prerequisite(s):** High school calculus. Co-requisite: Biology 190. Departmental approval.

**General Education Requirement:** (FSSR)

**Unit(s):** 1

#### **CHEM 191 Integrated Science/Math/Computer Science 3 with Laboratory**

One of two courses taught spring semester as part of Integrated Quantitative Science program. Will integrate topics from Biology, Chemistry, Physics, Math and Computer Science and will include instructors from all five disciplines. Each semester of the course will be organized around a guiding principle that integrates several concepts. Along with co-requisite, will include ten hours for lecture and lab combination.

**Prerequisite(s):** High school calculus. Biology 190 and Math 190. Departmental approval. Co-requisite: Physics 191.

**Unit(s):** 1

#### **PHYS 191 Integrated Science/Math/Computer Science 4 with Laboratory**

One of two courses taught spring semester as part of Integrated Quantitative Science program. Each semester of the course will be organized around a guiding principle that integrates several concepts. Along with co-requisite, will include ten hours for lecture and lab combination.

**Prerequisite(s):** High school calculus. Biology 190 and Math 190. Departmental approval. Co-requisite: Chemistry 191.

**Unit(s):** 1

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## Integrated Science

*Michael Kerchove, Coordinator (Math)*

The Integrated Sciences minor is designed for the student interested in an interdisciplinary approach to science. The over-arching theme is exploring the richness of types of problems that may be approached using a combination of sciences rather than one alone. Research experience is the cornerstone of the minor. Coursework for the minor falls chronologically into three categories. In their first two years, students will typically take the introductory Integrated Quantitative Science (IQS) courses and the IQS Research Training Seminar. The introductory IQS classes are structured around a common theme that allows students to study a topic in depth from the perspective of material in the five introductory math/science courses. Students not enrolled in IQS during the freshman year may qualify



for the minor by taking the first course in the major in each of the five disciplines as listed below and then enrolling in the Research Training Seminar. This seminar focuses on how interdisciplinary research programs are constructed and the types of problems that can be addressed using this approach.

During their junior and senior years, students will take two interdisciplinary courses that focus on a topic from at least 2 different disciplinary perspectives. A list of approved courses appears below, though students are encouraged to check with the coordinator for updates. The third component of the minor is the Senior Research Seminar. This is a literature-based course (journal club), for seniors only, that allows students to knit together their own research experiences with an in depth study of scientific papers describing current interdisciplinary research.

### The Integrated Science Minor

6.75-7.75 units, including  
Introductory IQS Sequence (Students who do not complete the Introductory IQS sequence may substitute the introductory courses in the five disciplines comprising the major: BIOL 199, CHEM 141, PHYS 131, CMSC 150, and MATH 211.)

- BIOL/MATH 190 Integrated Science/Math/Computer Science 1-2 with Laboratory
- CHEM/PHYS 191 Integrated Science/Math/Computer Science 3-4 with Laboratory

IDST 284 IQS Research Training Seminar  
IDST 484 Senior Integrated Science Seminar  
Two courses, (one of which must be in addition to courses completed for a major or other minor), chosen from:

- BIOL 316 Biological Imaging
- BIOL 352 Bioinformatics
- CHEM 311 Theoretical and Computational Chemistry
- MATH 304 Mathematical Models in Biology and Medicine
- PHYS 203 Systems Biology
- or another approved elective

An undergraduate research project in any science, math, or computer science area of significant length

that culminates in a written report or poster presentation, chosen from:

1 unit in

- BIOL 350 Undergraduate Research
- CHEM 320 Introduction to Research
- PHYS 381-382 Research
- CMSC 340 Directed Independent Study
- MATH 340 Directed Independent Study

or a fulltime summer research experience of at least 8 weeks.

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

## Interdisciplinary Concentrations

### Interdisciplinary Concentrations within Disciplinary Majors or Minors

#### Interdisciplinary Concentration in Arts Management

Approachable by studio art, art history, music, theatre, and dance majors or minors and provides curricular links for students interested in further practical and academic experiences in the area of arts management. Faculty coordinators are the director of the Modlin Center for the Arts and the director of University Museums.

5 units, including  
MUS/THTR/ART 345 Philanthropy in the Arts  
MUS/THTR/ART 388 Internship

One unit, chosen from

ART 322 Seminar in Museum Studies  
MUS/THTR 310 Managing Performing Arts Organizations

One unit in accounting, chosen from

ACCT 201 Fundamentals of Financial Accounting  
ACCT 202 Fundamentals of Managerial Accounting

One unit in marketing, chosen from

MKT 320 Principles of Marketing  
MKT 321U Principles of Marketing

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

Courses in accounting and marketing may be taken in the School of Business, the School of Continuing Studies, or by transfer in consultation with one of the concentration's coordinators. A concentration coordinator should be consulted for approval of the internship as appropriate for the concentration.

The arts management coordinators may be consulted for additional recommended courses in areas of arts, business, or leadership that support the student's particular area of interest. An arts course in an area other than a student's major or minor is encouraged, and may include applied music study or music ensembles.

### **Interdisciplinary Concentration in Comparative Literature for English Majors**

The basic assumption behind this concentration is that literary studies can be unduly limited by restricting the context and parameters of scholarly inquiry to the literary works of one particular literary tradition, usually defined in fairly narrow geographical and linguistic terms. Comparative literature in the broadest sense may be defined as the text-based investigation of themes, issues, and works of art, free from the fetters of artificial geographical, cultural, political, or disciplinary demarcations. Students of comparative literature achieve a greater awareness of certain boundaries involved in the traditional study of literature--national, linguistic, generic, disciplinary, etc.--and of the issues and advantages involved in crossing those boundaries. In this concentration, students willing to acquire additional linguistic and disciplinary skills will develop the habits and tools necessary to address problems or topics of interest from a number of literary and disciplinary perspectives.

7 units, including

One upper level English or Modern Literatures and Cultures course (approved by the Concentration Coordinator) which focuses on the comparative and/or interdisciplinary study of a particular genre, theme, or historical period.

Three upper-level literature courses from the modern literatures and cultures, Latin American and Iberian studies, or classical studies departments, in the original language

Two courses in fields outside of literature (Students will choose from ancillary fields such as philosophy, art history, religious studies, etc., in support of their research concentration, and subject to approval of concentration coordinator.)

A one unit independent study culminating in a substantial research project; honors students can use this research project as their honors thesis.

### **Interdisciplinary Concentration in Medieval and Renaissance Studies for English Majors**

This concentration was created for English majors interested in deepening their knowledge of the cultures of the Middle Ages and Renaissance through interdisciplinary study. It thus requires that in addition to taking upper-level courses in Medieval and Renaissance English literature, majors also explore these periods from the perspective of other academic disciplines including, but not limited to, the history of art and architecture, foreign literatures, philosophy, religious studies, and history. It is hoped that the breadth of knowledge and intellectual flexibility that interdisciplinary study fosters will enable students in this concentration to undertake more complex kinds of research projects and achieve more sophisticated levels of critical thinking and writing than might otherwise have been possible.

7 units, including

ENGL 308/ID 390 Interdisciplinary Studies in the Middle Ages and Renaissance

One 300- or 400-level course in Medieval literature and one 300- or 400-level course in Renaissance literature, chosen from

ENGL 301 Literature of the Middle

ENGL 302 Literature of the English Renaissance

ENGL 304 Shakespeare

ENGL 309 Desire and Identity in the Renaissance: The Lyric Tradition

ENGL 330 Selected Topics in Literature Before the Early to Mid-19th Century

ENGL 400 Junior/Senior Seminar (depending on topic)

Three units from at least two different departments outside of English, chosen from below. Special topics courses in medieval and renaissance may be substituted with prior approval from the departmental coordinator.

ART 309 Image and Icon in Medieval Art

ART 310 Late Antiquity and Early Christian Art

ART 311 Medieval Byzantine Art 600-1453

ART 312 Medieval Art in Western Europe  
8th-15th Centuries  
ART 314 Northern Renaissance Art  
ART 315 Art of the Italian Renaissance  
ART 316 Art in the Age of Reform  
CLSC 306 The Classical Tradition  
FREN 325 Medieval and Early Modern  
Society  
FREN 411 The French Middle Ages  
FREN 421 Renaissance  
HIST 225 Medieval Italy  
HIST 226 The Early Middle Ages  
HIST 227 High Middle Ages  
HIST 228 The Medieval Economy: Pre-  
Industrial Europe, 500-1500  
HIST 229 Medieval England  
HIST 230 The Renaissance  
HIST 233 Reformation Europe  
ITAL 423 Le Tre Corone: Dante, Petrarca  
and Boccaccio  
LAIS 421 Arabs, Jews and Christians: from  
Frontier to Empire: Medieval Spanish  
Literature  
LAIS 431 Imperial Spain: The Age of  
Conflict  
LAIS 432 True Lies: Fiction and Truth in  
Don Quijote  
MLC 357 The Idea of the Renaissance: Self,  
History and Knowledge  
MLC 358 Desire and Identity in the  
Renaissance: Self, History and Knowledge  
MUS 343 The Mass from Plainchant to Pärt  
PLSC 311 Classical Political Thought  
RELG 247 Women and Christianity:  
Origina through the Middle Ages  
RELG 258 Medieval Religious Thought  
RELG 273 Witchcraft and Its Interpreters  
RELG 356 Religious Thought of the  
Renaissance and Reformation  
RHCS 325 Medieval to Modern Rhetorics

A final critical paper examining one or more works relevant to the major shall be completed in the junior or senior year preferably as the final project in ENGL 308/IDST 390 or in another appropriate upper-division English course with prior approval from the concentration coordinators.

Students also will be encouraged to consider enrolling in any number of the following courses (these courses will not, however, count toward the six courses in Medieval and Renaissance Studies required of English major concentrators):

ART 121 Survey I: Prehistory through the Middle Ages

ART 122 Survey II: Renaissance to the Present  
CLSC 301 Greek Art and Archeology  
CLSC 302 Roman Art and Archeology  
ENGL 234 Shakespeare  
FREN 431 Le Siècle Classique  
GREK 301 Greek Epic  
GREK 302 Greek Drama  
HIST 110 Ideas and Institutions of Western Civilization I  
HIST 223 The Roman Empire  
PHIL 281 Philosophy of Art  
PHIL 362 Philosophy of Religion  
RELG 241 Introduction to Early Christian Era  
RELG 243 The World of the New Testament  
RELG 340 Varieties of Early Christianity  
RELG 341 Paul and Christian Origins  
RELG 342 John and Early Christian Literature

### **Interdisciplinary Concentration in Medieval and Renaissance Studies for Art History Majors**

This concentration is intended to encourage art history majors to develop an interdisciplinary approach to the study of Medieval and Renaissance visual cultures. The concentration aims to expose students to a variety of disciplines, approaches, and methodologies by supplementing their upper-level courses in Medieval and Renaissance art with those covering aspects of these historical periods in other academic disciplines. The selection of courses offered through the concentration allows students with a specific interest in Medieval and Renaissance art to broaden their knowledge of the periods, and provides them with opportunities to comprehensively examine topics of interest. Students will meet with their Medieval and Renaissance studies advisor in art history to outline a track of study from among the broad range of interdepartmental courses listed below.

6 units, including

Three 300- or 400-level Department of Art and Art History courses in the areas of early Christian, Medieval or Renaissance art

Three approved courses from at least two different departments outside art and art history, chosen from

CLSC 205 Greek and Roman Mythology: Epic  
CLSC 207 Greek Magic  
CLSC 301 Greek Art and Archaeology  
CLSC 302 Roman Art and Archaeology

CLSC 305 Greek and Roman Values  
 CLSC 306 The Classical Tradition  
 ENGL 234 Shakespeare  
 ENGL 301 Literature of the Middle Ages  
 ENGL 302 Literature of the English Renaissance  
 ENGL 304 Shakespeare  
 ENGL 307 Epic Traditions  
 ENGL 390 Interdisciplinary Studies in the Middle Ages and Renaissance  
 FREN 411 The French Middle Ages  
 FREN 421 Renaissance  
 GREK 301 Greek Epic  
 GREK 302 Greek Drama  
 GREK 303 Greek Historiography  
 GREK 304 Greek Philosophical Prose  
 HIST 223 The Roman Empire  
 HIST 225 Medieval Italy  
 HIST 226 Early Middle Ages  
 HIST 227 High Middle Ages  
 HIST 229 Medieval England  
 HIST 230 Renaissance  
 ITAL 321 Readings in Italian Literature  
 LATN 302 Ovid  
 LATN 303 Roman Epic  
 LATN 304 Roman Historiography  
 LATN 305 Horace  
 LATN 306 Roman Philosophical Literature  
 LATN 307 Catullus  
 LATN 308 The Novel  
 LATN 309 Cicero  
 LAIS 432 True Lies: Fiction and Truth in Don Quixote  
 PHIL 271 Ancient Greek Philosophy  
 RELG 241 Introduction to Early Christian Era  
 RELG 243 The World of the New Testament  
 RELG 258 Medieval Religious Thought  
 RELG 332 Hebrew and Christian Wisdom Literature  
 RELG 340 Varieties of Early Christianity  
 RELG 341 Paul and Christian Origins  
 RELG 342 John and Early Christian Literature  
 RELG 356 Religious Thought of the Renaissance and Reformation

Senior thesis project on a subject in early Christian, Medieval or Renaissance art  
 Students also will be encouraged to consider enrolling in any number of the following courses (these courses will not, however, count toward the three courses in Medieval and Renaissance studies taken outside the Department of Art and Art History required for the art history concentration):

FREN 431 Le Siècle Classique

HIST 110 Ideas and Institutions of Western Civilization I  
 PHIL 281 Philosophy of Art  
 PHIL 362 Philosophy of Religion  
 RELG 263 Religion and the Arts

### **Interdisciplinary Concentration in Neuroscience for Biology and Psychology Majors**

Majors in biology or psychology with a special interest in neurobiology or behavioral neuroscience may apply to pursue an interdisciplinary concentration in neuroscience. Because of the scheduling demands of the concentration, students are strongly encouraged to apply during the fall semester of the sophomore year.

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

### **Designated Courses for Biology Majors**

18.5 units, including

BIOL 199 Introduction to Biological Thinking  
 One unit in genetics, cellular and molecular biology, chosen from

BIOL 201 Genetics

BIOL 205 Cell Biology

One unit in evolution, diversity and ecology, chosen from

BIOL 207 Ecology

BIOL 225 Evolution

One unit in organismal biology, chosen from

BIOL 216 Botany

BIOL 217 Integrative Physiology

BIOL 229 Microbiology

Five units of biology approved for the major, four of which are at the 300 level, with at least three chosen from

BIOL 308 Comparative Vertebrate Anatomy

BIOL 311 Microanatomy

BIOL 312 Developmental Biology

BIOL 338 Comparative Animal Physiology

BIOL 343 Neurobiology

BIOL 344 Behavioral Ecology

BIOL 345 Cellular Neurophysiology

BIOL 352 Evolutionary Developmental Biology

BIOL 354 Biological Basis of Neurodegenerative Diseases with Laboratory

CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis

CHEM 205-206 Organic Chemistry  
 MATH 212 Calculus II, or 232 Scientific Calculus II  
 Quantitative-physical science, one unit chosen from  
   BUAD 301 Statistics for Business and Economics II  
   CMSC 150 Introduction to Computing  
   CMSC 155 Introduction to Scientific Computing  
   CMSC 221 Data Structures with Lab  
   CMSC 222 Discrete Structures for Computing with Lab  
   MATH 119 Statistics for Social and Life Sciences  
   MATH 219 Introduction to the Design of Experiments  
   MATH 330 Mathematical Statistics  
   PHYS 127 General Physics 1 or PHYS 131 General Physics with Calculus I  
   PHYS 128 General Physics 2 or PHYS 132 General Physics with Calculus II or  
   PHYS 133 Atomic and Sub-Atomic Physics or  
   PHYS 134 Biological Physics  
   PSYC 200 Methods and Analyses  
 Or completion of the Integrated Quantitative Science sequence

PSYC 200 Methods and Analyses  
 Two units of neuroscience-related psychology, chosen from

  PSYC 331 Behavioral Neuroscience  
   PSYC 333 Cognitive Science  
   PSYC 341 Cognitive Neuroscience  
   PSYC 440 Advanced Neuroscience  
   PSYC 441 Clinical Neuroscience  
   PSYC 442 The Neurobiology of Relationships  
 Approved 400-level seminar

One half unit research project in neuroscience, chosen from

  BIOL 350 Undergraduate Research  
   BIOL 395 Honors Research

### Designated Courses for Psychology Majors

18 units, including  
 PSYC 100 Introduction to Psychological Science  
 PSYC 200 Methods and Analyses  
 PSYC 331 Behavioral Neuroscience  
 PSYC 341 Cognitive Neuroscience  
 Two units of PSYC 361 Independent Research  
 Two units of senior research, chosen from  
   PSYC 461/462 Senior Research  
   PSYC 491/492 Senior Honors  
 Two units of PSYC 449 Advanced Seminar  
 MATH 211-212 or 231-232 Calculus I and II  
 One unit, chosen from

  BIOL 201 Genetics  
   BIOL 205 Cell Biology  
 One unit, chosen from  
   BIOL 207 Ecology  
   BIOL 225 Evolution  
   BIOL 229 Microbiology  
   BIOL 235 Physiology  
 One unit, chosen from  
   BIOL 308 Comparative Vertebrate Anatomy  
   BIOL 311 Microanatomy  
   BIOL 312 Developmental Biology  
   BIOL 338 Comparative Animal Physiology  
   BIOL 343 Neurobiology  
   BIOL 344 Behavioral Ecology  
   BIOL 345 Cellular Neurophysiology  
   BIOL 351 Special Topics  
   BIOL 352 Evolutionary Developmental Biology  
   BIOL 354 Biological Basis of Neurodegenerative Diseases with Laboratory  
 CHEM 141 Introductory Chemistry: Structure, Dynamics and Synthesis  
 CHEM 205-206 Organic Chemistry

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## Interdisciplinary Studies

*Scott Davis, Coordinator (Religion)*

Interdisciplinary studies offers two distinct programs: interdisciplinary colloquia and the self-designed interdisciplinary studies major (see below).

### The Interdisciplinary Colloquia

The interdisciplinary colloquia, which are one-semester electives, provide an opportunity to explore a variety of topics that do not typically fall within disciplinary boundaries. They are taught on a small-group basis, stressing student-faculty interaction, and are open to all students without prerequisites except as noted. Students should ascertain which courses are available in any given semester.

### The Interdisciplinary Studies Major

**Note:** A grade of not less than C (2.0) is required in each course comprising the major.

10 units of coursework including the senior thesis, noting



- The nature of the approved program will determine whether the degree is a Bachelor of Arts or Bachelor of Science. The interdisciplinary studies major provides a student the opportunity to propose and pursue, with faculty supervision, a unique program of study.
- The specific program of study is developed by the student in consultation with two faculty advisors, cohering to a central student-determined theme, involving two or more departments, culminating in a significant senior thesis. The program must be approved by two faculty advisors, the interdisciplinary studies coordinator, and the dean of the School of Arts and Sciences.
- Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

## Courses

### **IDST 200 The Medical Humanities**

Designed for students who are planning to enter the health care field. The course provides an introduction to non-clinical aspects of medical practice that confront health care practitioners. Topics include medical ethics, cross-cultural medicine, the doctor-patient relationship, and death and dying.

**Unit(s):** 1

### **IDST 201 Doctors Becoming Doctors**

Allows students to choose from a list of special topics courses while they pursue a shared set of educational goals. All seminars are designed to expand the students' understanding of the world, enhance their ability to read and think critically, enhance their ability to communicate effectively in writing, speech, and other appropriate forms, develop fundamentals of information fluency and library research, and provide the opportunity for students to work closely with a faculty mentor.

**Unit(s):** 1

### **IDST 240 Law and Medicine**

Examines the intersection of law and medicine, primarily in medical malpractice litigation and also by looking at other areas of medical jurisprudence including state and federal health care regulation.

**Unit(s):** 1

### **IDST 280 Principles of the Natural Sciences**

Explores foundational principles of biology, chemistry, and physics. Students gain experience using these principles in an applied context, fostering critical thought. Designed for pre-medical students preparing to take the Medical College Admissions Test (MCAT). Graded Satisfactory/Unsatisfactory.

**Prerequisite(s):** Biology 205 and Chemistry 206.

**Unit(s):** 0

### **IDST 281 Principles of the Natural Sciences**

Explores foundational principles of biology, chemistry, and physics. Students gain experience using these principles in an applied context, fostering critical thought. Designed for premedical students preparing to take the Medical College Admissions Test (MCAT). Continuation of Interdisciplinary Studies 280. Graded Pass/Fail.

**Prerequisite(s):** Interdisciplinary Studies 280.

**Unit(s):** .5

### **IDST 284 Integrated Quantitative Science (IQS) Research Training Seminar**

Continuation of the appreciation of, and facility with, integrated, interdisciplinary research in science, math, and computer science. Through discussion and hands-on activities students will gain a greater perspective and will develop skills in research that crosses traditional disciplinary boundaries.

**Prerequisite(s):** Biology 190, Math 190, Physics 191, and Chemistry 191 or permission of the instructor.

**Unit(s):** .25

### **IDST 285 Developing Interdisciplinary Research**

Focuses on development of an interdisciplinary research project from inception through writing of grant proposal. Begins with discussion of scientific question being addressed, followed by discussions of broad concepts of a research proposal and, finally, the development and completion of a final proposal. Involves literature search, discussions concerning design and execution of experiments, as well as interpretation of data (both quantitative and qualitative). Experimentation will involve a variety of techniques and approaches; expose students to interdisciplinary nature of modern biomedically related research and how collaboration leads to enhancement of a project; and promote students' ability to think critically, write a proposal, and



discuss and present their ideas to others in an effective manner. The faculty/research student teams will work to develop a final research proposal for NSF or another suitable funding agency.

**Prerequisite(s):** Chemistry 141 and Biology 201 or 205.

**Unit(s):** .5

**IDST 290 Selected Projects**

Follow-up research project for participants in the Sophomore Scholars in Residence program.

**Unit(s):** .5

**IDST 299 Selected Topics**

One semester elective. Explores a variety of topics that do not typically fall within disciplinary boundaries.

**Unit(s):** 1

**IDST 300 Technologies of Change: Information Resources, Policies and Communities**

Focus on understanding, using, and evaluating information technologies for research, communication, manipulation of data, and presentation of ideas and results. Consideration of public policy, ethical and technological issues related to information access, presentation, ownership, and distribution.

**Unit(s):** 1

**IDST 334 Urban Revitalization and Preservation**

Using the city of Richmond as a laboratory, a study of importance of preserving old and historic structures, districts and artifacts, and of maintaining integrity and flavor of existing neighborhoods within context of modern urban environment.

**Unit(s):** 1

**IDST 379 Combined Major Project/Portfolio**

Working with faculty mentors, students will write a 20-30 page research paper on an interdisciplinary topic. For students in combined majors with French and German, this paper will become part of a portfolio representing significant achievements in the major and emphasizing the interdisciplinary and/or cross-cultural aspects of the major.

**Prerequisite(s):** Department approval.

**Unit(s):** .5

**IDST 388 Individual Internship**

No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Departmental approval

**Unit(s):** .25-1

**IDST 390 Interdisciplinary Studies in the Middle Ages and Renaissance**

(See English 308.)

**Unit(s):** 1

**IDST 395 Independent Study**

Specialized study to provide maximum freedom in research and investigation.

**Unit(s):** .25-1

**IDST 397 Special Topics**

Topics will vary from semester to semester.

**Unit(s):** 1

**IDST 398-399 Senior Thesis**

For students in the interdisciplinary studies major.

**Unit(s):** .5-.5

**IDST 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**IDST 484 Integrated Science Senior Seminar**

Designed for students to pull together earlier interdisciplinary course experiences; discussions of recently published journal articles and talks by faculty doing interdisciplinary research will allow students to build on their appreciation of, and facility with, integrated, interdisciplinary research in science, math, and computer science. Restricted to seniors.

**Prerequisite(s):** Interdisciplinary Studies 284 and Math 212, 232, or 235

**Unit(s):** .5

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## International Studies

*John Gordon, Coordinator (History)*

The International Studies major is composed of seven concentrations that are coordinated by advisors with special expertise in the areas. Students with specific interests outside the described concentrations may petition to create an independent concentration.

### The International Studies Major

**Note:** A grade of not less than C (2.0) is required in all coursework comprising the major.

13 units, including

#### A. Foundational Study in Language and Culture

At least two units of 300- or 400-level courses in the Department of modern literatures and cultures or department of Latin American and Iberian studies, excluding courses taught in English. For students whose first language is not English, at least two units chosen from: 300- or 400-level courses in the department of modern literatures and cultures or department of Latin American and Iberian studies, or two units of 200- or 300-level courses in the department of English.

#### B. Approved Experience Abroad

In order to provide for a significant degree of cultural immersion, the experience abroad will be related to the student's concentration and will be at least one semester in length. Any program which does not meet these requirements must be approved by the concentration advisor in consultation with the program coordinator.

#### C. International Studies Coursework (three core units and an IS concentration)

- One unit, chosen from

PLSC 250 Introduction to International Relations  
GEOG/IS 210 Geographic Dimensions of Human Development

- IS 290 Perspectives in International Studies
- IS 400 Senior Seminar
- An international studies concentration (within the concentration: eight units selected from three or more departments with no more than four units from a single department)

**Note:** With prior approval, study abroad courses may be applied toward the major.

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

#### International Studies: Africa

*Joseph Obi (Sociology), Advisor*

**Note:** Within the concentration, the eight units must be selected from three or more departments with no more than four units from a single department.

8 units, chosen from the following (may include up to two courses dealing with the African diaspora, marked with an \*). For eligibility of other relevant courses for inclusion in the major, see the concentration advisor.

ANTH 101 Introduction to Cultural Anthropology  
ANTH 300 Sexuality and Gender Across Culture  
ANTH 304 Ritual, Witchcraft and Divination  
ANTH 328 Anthropology of Human Rights  
ANTH 336 Politics, Power and Ritual  
ANTH 338 Africa: Cultural Change in a Post-Colonial Setting  
ECON 105 Introduction to Global Economics  
ECON 211 Economic Development in Asia, Africa and Latin America  
ENGL 218 African Literature  
ENGL 231 African-American Literature\*  
ENGL 238 Readings in Caribbean Literature\*  
ENGL 331 Literatures of Africa  
ENGL 332 Literatures of the Caribbean\*  
ENGL 335 Black Women Writers\*  
ENGL 337 Postcolonial Literatures  
ENGL 358 African-American Women Writers\*  
FREN 324 Francophone Literatures and Cultures  
FREN 471 Francophone Studies

GEOG 207 World Regional Geography - Developing Regions  
 GEOG 370 Geographies of Economic Development and Globalization  
 HIST 281 Africa c. 1500-1900  
 HIST 282 Africa in the Twentieth Century  
 HIST 283 South Africa since 1500  
 HIST 380 Women and Gender in African History  
 HIST 390 Food and Power in Africa and Asia  
 IS 230 Introduction to Africa  
 IS 240 Gods, Spirits and Faith in Africa  
 IS 301 Dependency and Development: An Introduction to the Third World  
 IS 310 Tribe, Nation, World: The Anthropology of Globalization  
 IS/GEOG/PLSC 320 Power, Space and Territory: Geographies of Political Change  
 IS 351 Globalization  
 MUS 115 The Jazz Tradition\*  
 MUS 203 Global Hip Hop\*  
 PLSC 346 Politics of Cultural Pluralism  
 PLSC 347 Politics of Developing Nations  
 PLSC 348 Politics of Africa  
 SOC 230 Introduction to Africa: The Sociology of Africa  
 SOC 316 Race and Ethnicity in America\*  
 SOC 335 Feast and Famine: Inequalities in the Global Food System

### International Studies: Asia

*Tze M. Loo (History), Advisor*

**Note:** Within the concentration, the eight units must be selected from three or more departments with no more than four units from a single department.

8 units, including

Three units from area A

Three units from area B

Two units from area A or B

For eligibility of other relevant courses for inclusion in the major, see the concentration advisor.

*Note: Students taking courses marked with an \* can receive credits toward the concentration, provided they have the concentration advisor's approval and their papers/projects are related to Asia.*

### Area A: Humanities

ART 226 Art and Culture of Japan

ART 378 Topics in Asian Art

ART 383 East Asian Painting, Poetry and Calligraphy

CHIN 311 Insights into Chinese Culture

CHIN 401-402 Advanced Chinese Language, Literature and Culture

ENGL 214 Literature of India

ENGL 333 Literatures of South Asia

ENGL 337 Postcolonial Literatures\*

HIST 250 Modern East Asia 1600-1960

HIST 251 Chinese Revolutions

HIST 252 Modern China 1900-1940

HIST 253 Empires and Nations in Modern East Asia

HIST 254 Modern Japan

HIST 255 Meiji Japan: An Emperor and the World Named for Him

HIST 290 British Empire and Commonwealth\*

HIST 340 Imagining the Other: China and the West

HIST 341 History and Memory: WWII in East Asia

JAPN 310 Japanese Culture

MLC 225 Chinese Culture and Civilization

MLC 235 Special Topics in Japanese Film

MLC 323 Hero, Talent, and Beauty: Classical Chinese Narrative

MLC 325 Representing the Chinese Empire (Modern Chinese Literature in Contemporary Perspective)

MLC 355 Chinese Cinema

MUS 124 Asian Music and Globalization

REGL 250 Introduction to World Religions

RELG 251 Sacred Arts of India

RELG 253 Body/Sex in World Religious Literature

RELG 259 Orientalism, Racism, and Religion

RELG 352 Buddhism in India and Tibet

RELG 355 Selected Asian Religions

RELG 366 Buddhist Philosophy

### Area B: Social Sciences

ANTH 328 Anthropology of Human Rights\*

ANTH 339 Pacific Island Cultures and Ethnographies

ANTH 340 Southeast Asia: Cultural Representations

ECON 105 Introduction to Global Economics

ECON 211 Economic Development in Asia, Africa and Latin America

GEOG 207 World Regional Geography-Developing Regions\*

GEOG 345 Society, Economy and Nature: Global Perspective on Sustainable Development\*

GEOG 370 Geographies of Economic Development and Globalization\*

HIST 340 Imagining the Other: China and the West

HIST 341 History and Memory: WWII in East Asia

HIST 390 Food and Power in Asia and Africa

IBUS 390 International Business Issues (Asia/Pacific Management)\*

IS 245 Introduction to South Asia

IS 301 Dependency and Development: An Introduction to the Third World\*  
 IS 310 Tribe, Nation, World: The Anthropology of Globalization\*  
 IS/GEOG/PLSC 320 Power, Space and Territory: Geographies of Political Change\*  
 IS 351 Globalization\*  
 PLSC 343 Politics of Asia  
 PLSC 345 Politics of China, Hong Kong and Taiwan  
 PLSC 347 Politics of Developing Nations\*  
 PLSC 357 International Relations of East Asia  
 PLSC 358 The U.S. and Asia's Great Powers  
 SOC 306 Social Change in a Global Perspective\*  
 SOC 335 Feast and Famine: Inequalities in the Global Food System\*

### International Studies: International Economics

*Jonathan B. Wight (Economics), Advisor*

*Students are strongly encouraged to develop proficiency in economics with either a minor or double major (see economics department listings for requirements).*

**Note:** Within the concentration, the eight units must be selected from three or more departments with no more than four units from a single department.

8 units, including

- ECON 210 The Economics of the European Union
- ECON 211 Economic Development in Asia, Africa, and Latin America
- ECON 310 International Trade and Finance
- Five elective units from two or more departments in the following list:

ACCT 315 International Accounting Issues  
 ANTH 101 Introduction to Cultural Anthropology  
 ANTH 307 Indigenous Peoples of the Americas  
 ANTH 308 Latin America: An Ethnographic Perspective  
 ANTH 336 Politics, Power and Ritual  
 ANTH 338 Africa: Cultural Change in a Post-Colonial Setting  
 ANTH 339 Pacific Island Cultures and Ethnographies  
 ANTH 340 Southeast Asia: Cultural Representations

FIN 462 International Financial Management  
 GEOG 206 World Geography - Developed Regions  
 GEOG 207 World Geography - Developing Regions  
 GEOG 210 Geographic Dimensions of Human Development  
 GEOG 320 Power, Space, and Territory: Geographies of Political Change  
 GEOG 345 Society, Economy and Nature  
 GEOG 370 Geographies of Economic Development and Globalization  
 HIST 236 Russian Empire, Soviet Union and After  
 HIST 237 The Last Soviet Generation  
 HIST 241 Modern European Thought Since 1850  
 HIST 242 Modern Germany  
 HIST 243 Modern Britain  
 HIST 244 The Hapsburg Empire and After  
 HIST 245 Modern Balkans  
 HIST 246 Russia in Revolution, 1905-1934  
 HIST 247 Modern Ireland  
 HIST 248 European Diplomacy from Bismarck to Hitler  
 HIST 249 Twentieth-Century Europe  
 HIST 250 Modern East Asia 1600-1960  
 HIST 251 Chinese Revolutions  
 HIST 252 Modern China: 1900-1940  
 HIST 253 Empires and Nations in Modern East Asia  
 HIST 254 Modern Japan  
 HIST 255 Meiji Japan: An Emperor and the World Named for Him  
 HIST 261 Modern Latin America  
 HIST 262 The Making of Modern Brazil  
 HIST 271 The Modern Middle East  
 HIST 272 The Ottoman Empire  
 HIST 282 Africa in the Twentieth Century  
 HIST 283 South Africa since 1500  
 HIST 290 British Empire and Commonwealth  
 HIST 291 History of Canada  
 HIST 340 Imagining the Other: China and the West  
 HIST 341 History and Memory: WWII in East Asia  
 HIST 380 Women and Gender in African History  
 HIST 390 Food and Power in Africa and Asia  
 IBUS 381 International Business Environment  
 IBUS 390 International Business Issues and Topics

IBUS 411 International Business Strategy  
 IS 230 Introduction to Africa: The Sociology of Africa  
 IS 245 Introduction to South Asia  
 IS 301 Dependency and Development: An Introduction to the Third World  
 IS 310 Tribe, Nation, World : The Anthropology of Globalization  
 IS/GEOG/PLSC 320 Power, Space and Territory: Geographies of Political Change  
 IS 321 Exploring Latin American Experience: An Interdisciplinary Seminar  
 IS 351 Globalization  
 MGMT 333 International Management  
 MKT 325 International Marketing  
 PHIL 337 Social and Political Philosophy  
 PHIL 344 Twentieth-Century Continental Philosophy  
 PLSC 240 Introduction to Comparative Politics  
 PLSC 312 Modern Political Theory  
 PLSC 340 Islam and Politics  
 PLSC 342 Transitions from Communism in Europe and Eurasia  
 PLSC 343 Politics of Asia  
 PLSC 344 Europe Today  
 PLSC 345 Politics of China, Hong Kong, and Taiwan  
 PLSC 346 Politics of Cultural Pluralism  
 PLSC 347 Politics of Developing Nations  
 PLSC 348 Politics of Africa  
 PLSC 349 Politics of Latin America and the Caribbean  
 PLSC 350 American Foreign Policy  
 PLSC 351 Globalization  
 PLSC 352 International Law and Organizations  
 PLSC 355 International Relations of the Middle East  
 PLSC 356 International Political Economy  
 PLSC 357 International Relations of East Asia  
 PLSC 358 The U.S. and Asia's Great Powers  
 PLSC 359 Global Governance  
 PLSC 360 International Development Policy  
 PLSC 374 Methods for Cross National Research  
 RELG 250 Introduction to World Religions  
 SOC 230 Introduction to Africa: The Sociology of Africa  
 SOC 231 Across the Pond: Europe vs. USA  
 SOC 232 Postsocialism in Russian and Eastern Europe  
 SOC 233 Understanding Globalization  
 SOC 335 Feast and Famine: Inequalities in the Global Food System

### International Studies: Latin America

*Mary Finley-Brook (Geography) and David Salisbury (Geography), Advisors*

**Note:** Within the concentration, the eight units must be selected from three or more departments with no more than four units from a single department.

8 units, including

One introductory course on Latin America (Group A)

At least three units focusing on Latin America

(Group B)

No more than two units with partial content on Latin America (Group C)

No more than two units in background courses (Group D)

*Courses marked with an asterisk (\*) may vary in emphasis depending upon instructor. Check before taking the class.*

*Courses marked with two asterisks (\*\*) are similar in content; students may receive credit toward the concentration for only one course.*

#### Group A: Introductory Courses on Latin America

ANTH 308 Latin America: An Ethnographic Perspective

IS 321 Exploring Latin American Experience: An Interdisciplinary Seminar

LAIS 312 Peoples and Cultures of Latin America

#### Group B: Courses Focusing on Latin America

BIOL 383 Tropical Biology and Conservation

ENGL 238 Selected Readings in Caribbean Literature

ENGL 332 Literatures of the Caribbean

GEOG 333 Geographies of Amazonia

HIST 260 Colonial Latin America

HIST 261 Modern Latin America

HIST 262 The Making of Modern Brazil

HIST 263 Latin America in the Cold War Years

HIST 264 Beyond Samba, Futebol, and Favelas: The History of Afro-Brazil

HIST 265 Gender and Sexuality in Latin American History

LAIS 323 Mapping Luso-Brazilian Cultures

LAIS 331-332 Introduction to Spanish-American Literature, I-II

LAIS 391 Contemporary Luso-Brazilian Readings

LAIS 452 Spanish-American Poetic Texts

LAIS/FMST 471 Latin American Cinema

LAIS 472 Contemporary Spanish-American Theater

LAIS 473 Political Action and Latin American Indigenous Film



LAIS 474 Contemporary Writing in Latin America: Sex, Drugs, and Rock 'n' Roll  
 LAIS 475 Women and Writing in Latin America  
 LAIS 477 Literature of the Spanish-Speaking Caribbean  
 LAIS 484 The Latin American Essay  
 LAIS 485 Spanish-American Narrative  
 LAIS 486 U.S. Latino/a Literature \*\*  
 LAIS 487 Latin America: Encounter and Conflict  
 PLSC 349 Politics of Latin America and the Caribbean

**Group C: Courses with Partial Content on Latin America**

ANTH 307 Indigenous Peoples of the Americas  
 ANTH 328 Anthropology of Human Rights  
 ECON 211 Economic Development in Asia, Africa and Latin America  
 GEOG 207 World Regional Geography - Developing Regions\*  
 GEOG 345 Society, Economy, and Nature: Global Perspectives on Sustainable Development  
 GEOG 370 Geographies of Economic Development and Globalization  
 IS 301 Dependency and Development: An Introduction to the Third World  
 IS 310 Tribe, Nation, World: The Anthropology of Globalization\*  
 IS/GEOG/PLSC 320 Power, Space, and Territory: Geographies of Political Change  
 IS/PLSC 351 Globalization  
 MUS 117 Salsa Meets Jazz  
 SOC 306 Social Change in a Global Perspective

**Group D: Background Courses**

ECON 105 Introduction to Global Economics  
 PLSC 346 Politics of Cultural Pluralism  
 PLSC 347 Politics of Developing Nations  
 PLSC 356 International Political Economy  
 PLSC 360 International Development Policy

**International Studies: Middle East**

*Yucel Yanikdag (History), Advisor*

**Note:** Within the concentration, the eight units must be selected from three or more departments with no more than four units from a single department.

8 units, including

- Three units chosen from Area A
- Three units chosen from Area B
- Two units from Area A or B

**Area A: Humanities**

ARAB 301 Arabic in the Media  
 ARAB 302 Arabic in Literature  
 CLSC 321 Archaeology of the Middle East  
 HIST 270 Early Islamic World  
 HIST 271 The Modern Middle East  
 HIST 272 The Ottoman Empire  
 HIST 370 Contending Visions of the Middle East  
 LAIS 421 Arabs, Jews and Christians from Frontier to Empire: Medieval Spanish Literature  
 MLC 346 Insiders and Outsiders: Arabic Encounters with the West  
 RELG 230 The History of Israel  
 RELG 244 Women in Judaism, Christianity, and Islam  
 RELG 259 Orientalism, Racism, and Religion  
 RELG 260 History of Judaism  
 RELG 288 Saints and Sinners in Muslim Literature

**Area B: Social Sciences**

ANTH 350 Sex and Gender in the Middle East  
 ANTH 360 Power and Society in the Middle East  
 GEOG 279 Middle Eastern Geographies  
 IBUS 388 ST: Global Business in a Digital World: Middle East  
 IS/GEOG/PLSC 320 Power, Space, and Territory: Geographies of Political Change  
 IS 354 Middle East in the Media, Media in the Middle East  
 LAWE 653 Islam, Law, and Society (taken as Arts and Sciences cross list)  
 LAWE 685 Muslim Family Law (taken as Arts and Sciences cross list)  
 PLSC 340 Islam in Politics  
 PLSC 355 International Relations of the Middle East  
 RHCS 345 Rhetoric of Terror/ism, (In) Security and the States

**International Studies: Modern Europe**

*David Brandenberger (History), Yvonne Howell (Modern Literatures and Cultures), and Hugh A. West (History), Advisors*

**Note:** Within the concentration, the eight units must be selected from three or more departments with no more than four units from a single department.

8 units, including

HIST 111 Ideas and Institutions of Western Civilization II, or an approved survey course in modern European history  
 PLSC 344 Europe Today  
 Two courses from area A  
 Two courses from area B

Two courses from area C

**Area A: Social Sciences/History**

ECON 105 Introduction to Global Economics  
 ECON 210 The Economics of the European Union  
 ECON 220 History of Economic Thought  
 GEOG 206 World Geography - Developed Regions  
 HIST 224 European Women and Gender before Suffrage  
 HIST 230 The Renaissance  
 HIST 233 Reformation Europe  
 HIST 234 Georgian Britain, 1714-1837  
 HIST 235 France: Old Regime and Revolution  
 HIST 236 Russian Empire, Soviet Union and After  
 HIST 237 The Last Soviet Generation  
 HIST 238 France: The Age of Absolutism, 1610-1780  
 HIST 239 The French Revolution  
 HIST 242 Modern Germany  
 HIST 243 Modern Britain  
 HIST 244 The Hapsburg Empire and After  
 HIST 245 Modern Balkans  
 HIST 246 Russia in Revolution, 1905-1934  
 HIST 247 Modern Ireland  
 HIST 248 European Diplomacy from Bismarck to Hitler  
 HIST 249 Twentieth-Century Europe  
 HIST 272 The Ottoman Empire  
 HIST 290 British Empire and Commonwealth  
 HIST 321 History of Work in Europe  
 HIST 323 The Victorians  
 HIST 392 Nations and Nationalism  
 IS/GEOG/PLSC 320 Power, Space, and Territory: Geographies of Political Change  
 PLSC 240 Introduction to Comparative Politics  
 PLSC 342 Transitions from Communism in Europe and Eurasia  
 RHCS 345 Rhetoric of Terrorism, (In)Security and the State  
 SOC 231 Across the Pond: Europe vs. USA  
 SOC 232 Postsocialism in Russia and Eastern Europe  
 SOC 306 Social Change in a Global Perspective

**Area B: Intellectual and Cultural History**

ART 122 Art History: Renaissance to the Present  
 ART 314 Northern Renaissance Art  
 ART 315 Art of the Italian Renaissance  
 ART 316 Art in the Age of Reform  
 ART 317 Nineteenth-Century Art  
 ART 318 Twentieth-Century Art  
 FREN 311 French and Francophone Culture  
 FREN 441 Enlightenment  
 FREN 465 French Film  
 FREN 487 Contemporary Ideas  
 GERM 311 German Culture and Civilization  
 GERM 440 Age of Idealism

GERM 452 Fin-de-siecle  
 GERM 465 Rebels with a Cause: Political Satire  
 GERM 471 Sexuality and German Society  
 GERM 472 Culture Wars & Identity Debates in German Society from Empire to EU  
 HIST 240 Modern European Thought, 1650-1850  
 HIST 241 Modern European Thought since 1850  
 HIST 325 The Enlightenment  
 ITAL 411 Italian Identities: Sicily, Veneto, and Tuscany  
 LAIS 305 Spanish in Politics and Society  
 LAIS 311 Perspectives on People and Cultures of Spain  
 LAIS 421 Arabs, Jews and Christians from Frontier to Empire: Medieval Spanish Literature  
 LAIS 431 Imperial Spain  
 LAIS 455 Barcelona: Text and City  
 LAIS 462 Visions of Contemporary Spain  
 LAIS 465 Spanish Cinema  
 MLC 256 Psychoanalysis, Literature, and Culture  
 MLC 260 Nature, Nurture, Neurons: Science and Society in 20th Century East European Literature  
 MLC 331 Russian Cinema  
 MLC 332 Conscience and Consciousness in 19th Century Russian Painting  
 MLC 335 Bolsheviks, Bombs and Ballet: Soviet Culture and Civilization  
 MLC 340 European Romanticism  
 MLC 341 Gender and Sexuality in 19th-Century France  
 MLC 346 Insiders and Outsiders: Arabic Encounters with the West  
 MLC 360 Representing the Holocaust  
 MLC/FMST 364 Banlieue Cinema  
 MLC 365 German Film in Context  
 MUS 228 Critical Studies in Music History II  
 MUS 343 The Mass from Plainchant to Part  
 MUS 344 Opera Studies  
 PHIL 272 Modern Western Philosophy  
 PHIL 275 Marx, Nietzsche, and Freud  
 PHIL 336 Nineteenth-Century European Philosophy  
 PHIL 337 Social and Political Philosophy  
 PHIL 339 Topics in Existentialism  
 PHIL 343 Twentieth-Century Analytic Philosophy  
 PHIL 344 Twentieth-Century Continental Philosophy  
 PHIL 357 Nietzsche  
 PLSC 312 Modern Political Theory  
 RELG 356 Religious Thought of the Renaissance and Reformation  
 RELG 367 Topics in Western Religious Thought  
 RUSN 311 Readings in Russian Cultural Studies

**Area C: Literature**

ENGL 302 Literature of the English Renaissance  
 ENGL 304 Shakespeare

ENGL 311 English Literature of the Restoration and Eighteenth Century  
 ENGL 312 English Literature of the Romantic Movement  
 ENGL 337 Postcolonial Literatures  
 ENGL 338 English Literature of the Victorian Period  
 ENGL 346 Twentieth-Century British and Irish Literature  
 ENGL 349 Late Imperial Fiction  
 ENGL 336 Literatures of Globalization  
 FREN 320 Literature in Context  
 FREN 326 Revolution in France  
 FREN 327 The Question of Modernity  
 FREN 421 Renaissance  
 FREN 431 Le Siecle Classique  
 FREN 451 From Romanticism to Decadence  
 FREN 461 From Modern to Post-Modern  
 GERM 321 Introduction to German Literature  
 ITAL 321 Italian Literature in Context  
 ITAL 453 Selected Readings in 19th and 20th Century Italian Literature and Culture  
 LAIS 321 Literary Spain: Poetry, Drama, Fiction  
 LAIS 432 True Lies: Fiction and Truth in Don Quixote  
 LAIS 451 Spanish Literature of Exile  
 LAIS 452 Spanish-American Poetic Texts  
 LAIS 454 Modern Literature of Galicia  
 LAIS 455 Barcelona: Text and City  
 LAIS 462 Visions of Contemporary Spain  
 LAIS 463 Modern Spanish Narrative  
 LAIS 464 Modern Theatre in Spain  
 LAIS 465 Spanish Cinema  
 MLC 260 Nature, Nature, Neurons: Science and Society in 20th Century East European Literature  
 MLC 321 Introduction to 19th-Century Russian Literature  
 MLC 322 Introduction to 20th-Century and Contemporary Russian Literature  
 MLC 341 Gender and Sexuality in 19th Century France  
 MLC 357 The Idea of the Renaissance: Self, History, and Knowledge  
 MLC 358 Desire and Identity in the Renaissance: The Lyric Tradition  
 RUSN 420 Readings in Russian Literature

**International Studies: World Politics and Diplomacy**

*Sheila Carapico (Political Science), Stephen Long (Political Science), Jennifer Pribble (Political Science), John L. Gordon Jr. (History) and John D. Treadway (History), Advisors*

**Note:** Within the concentration, the eight units must be selected from three or more departments with no more than four units from a single department.

8 units, including

- Three units chosen from

ANTH 328 Anthropology of Human Rights  
 ECON 105 Introduction to Global Economics  
 ECON 210 The Economics of the European Union  
 ECON 211 Economic Development in Asia, Africa, and Latin America  
 ECON 310 International Trade and Finance  
 GEOG 370 Geographies of Economic Development and Globalization  
 HIST 214 United States and the World, 1877-1945  
 HIST 215 United States and the World Since 1945  
 HIST 248 European Diplomacy from Bismarck to Hitler  
 HIST 390 Food and Power in Africa and Asia  
 HIST 391 Transnational Social Reform  
 HIST 392 Nations and Nationalism  
 IS/GEOG/PLSC 320 Power, Space, and Territory: Geographies of Political Change  
 IS 351 Globalization  
 PLSC 350 American Foreign Policy  
 PLSC 352 International Law and Organizations  
 PLSC 356 International Political Economy  
 PLSC 360 International Development Policy  
 SOC 233 Understanding Globalization

- Five additional units selected from above and below

ANTH 101 Introduction to Cultural Anthropology  
 ANTH 302 Medicine and Health from a Global/Antropological Perspective  
 ANTH 336 Politics, Power and Ritual  
 ECON 230 Environmental Economics  
 ENGL 336 Literatures of Globalization  
 ENGL 337 Postcolonial Literatures  
 GEOG 206 World Geography-Developed Regions  
 GEOG 207 World Geography-Developing Regions  
 GEOG/ENVR 220 Ecotourism

GEOG 279 Middle Eastern Geographies: Patterns of Space and Place  
 GEOG/IS/PLSC 320 Power, Space, and Territory: Geographies of Political Change  
 GEOG 345 Society, Economy and Nature: Global Perspectives on Sustainable Development  
 HIST 236 Russian Empire, Soviet Union, and After  
 HIST 237 The Last Soviet Generation  
 HIST 240 Modern European Thought, 1650-1850  
 HIST 242 Modern Germany  
 HIST 243 Modern Britain  
 HIST 244 The Hapsburg Empire and After  
 HIST 245 Modern Balkans  
 HIST 246 Russia in Revolution, 1905-1934  
 HIST 247 Modern Ireland  
 HIST 249 Twentieth-Century Europe  
 HIST 250 Modern East Asia 1600-1960  
 HIST 252 Modern China: 1900-1940  
 HIST 253 Empires and Nations in Modern East Asia  
 HIST 254 Modern Japan  
 HIST 255 Meiji Japan: An Emperor and the World Named for Him  
 HIST 261 Modern Latin America  
 HIST 262 The Making of Modern Brazil  
 HIST 263 Latin America in the Cold War Years  
 HIST 270 Early Islamic World  
 HIST 271 The Modern Middle East  
 HIST 272 The Ottoman Empire  
 HIST 282 Africa in the Twentieth Century  
 HIST 281 Africa c. 1500-1900  
 HIST 283 South Africa Since 1500  
 HIST 290 British Empire and Commonwealth  
 HIST 291 History of Canada  
 HIST 340 Imagining the Other: China and the West  
 HIST 341 History and Memory: WWII in East Asia  
 IS 230 Introduction to Africa  
 IS 310 Tribe, Nation, World: The Anthropology of Globalization  
 IS 321 Exploring Latin American Experience  
 LDST 307 Leadership in International Contexts  
 LDST 354 Conflict Resolution  
 PLSC 240 Introduction to Comparative Politics  
 PLSC 340 Islam and Politics  
 PLSC 342 Transitions from Communism in Europe and Eurasia

PLSC 343 Politics of Asia  
 PLSC 344 Europe Today  
 PLSC 345 Politics of China, Hong Kong, and Taiwan  
 PLSC 346 Politics of Cultural Pluralism  
 PLSC 347 Politics of Developing Nations  
 PLSC 348 Politics of Africa  
 PLSC 349 Politics of Latin America and the Caribbean  
 PLSC/IS 353 International Security  
 PLSC 355 International Relations of the Middle East  
 PLSC 358 The U.S. and Asia's Great Powers  
 PLSC/IS 359 Global Governance  
 PLSC 363 Global Health, Infectious Disease, and Human Rights  
 PLSC 374 Methods for Cross National Research  
 RELG 250 Introduction to World Religions  
 RELG 253 Body/Sex in World Religious Literature  
 RHCS 345 Rhetoric of Terrorism, (In)Security and the State  
 RHCS 350 International Communication  
 SOC 231 Across the Pond: Europe vs. USA  
 SOC 232 Postsocialism in Russia and Eastern Europe  
 SOC 306 Social Change in a Global Perspective  
 SOC 308 Sociology of War  
 SOC 335 Feast and Famine: Inequalities in the Global Food System

### Individual Programs

A student who has an interest in an international studies area not listed here may be able to develop an individual program of study to meet the concentration requirement. Such a program will have a theme supported by appropriate courses and shall be approved by the coordinator of international studies. Students who wish to pursue this option should see the program coordinator early in their college career to allow adequate time for planning.

### Courses

**IS 210 Geographic Dimensions of Human Development**  
 (See Geography 210.)

**Unit(s):** 1

**IS 230 Introduction to Africa**

Survey of African history, geography, institutions, and current issues.

**Unit(s):** 1

**IS 240 Gods, Spirits and Faith in Africa**

Religious practices, institutions, and forms of experience in Africa. Topics include creation myths, apocalyptic faiths, conventional and modified versions of Islam; mission and Zionist Christianities; sorcery in contemporary politics; spirit possession; and ancestor worship.

**Unit(s):** 1

**IS 245 Introduction to South Asia**

General introduction to South Asia emphasizing the themes of tradition and change. Approach will be topical with attention to geography and history, literature and rhetoric, the social order, music and the visual arts, political systems, and relations among South Asian nations.

**Unit(s):** 1

**IS 250 Selected Topics**

Topics and issues in international studies. May be repeated for credit when topics vary.

**Unit(s):** 1

**IS 290 Perspectives in International Studies**

Introduces methods and questions of the international studies field through regionally diverse case studies and analyses. Topics may include identity, culture, geopolitics, war, environment, health, media, migration, and inequality.

**Unit(s):** 1

**IS 301 Dependency and Development: An Introduction to the Third World**

Interdisciplinary overview of less developed countries. Includes history of third world, economics, politics, population growth, urbanization, world hunger, the environment, human rights, and theories of underdevelopment.

**Unit(s):** 1

**IS 310 Tribe, Nation, World: The Anthropology of Globalization**

Globalization "from the ground up," i.e., the perspective of people affected by the spread of consumerism, entertainment media, and Western values. Theoretical controversies and particular case

studies.

**Unit(s):** 1

**IS 320 Power, Space, and Territory: Geographies of Political Change**

(See Geography 320; same as Political Science 320.)

**Unit(s):** 1

**IS 321 Exploring Latin American Experience: An Interdisciplinary Seminar**

Multiple disciplinary perspectives on history, society, politics, economics, and culture of Latin America.

**Prerequisite(s):** One course on Latin America.

**Unit(s):** 1

**IS 331 Global Cities**

A collaborative and interdisciplinary approach to research questions raised by the complexity of the new mega-cities that dominate global culture.

**Unit(s):** 1

**IS 342 Transitions from Communism in Europe and Eurasia**

(See Political Science 342.)

**Unit(s):** 1

**IS 350 Selected Topics**

Selected topics in related subjects as arranged by the program coordinator. May be repeated for credit when topics vary.

**Prerequisite(s):** Permission of department.

**Unit(s):** 1

**IS 351 Globalization**

(See Political Science 351.)

**Unit(s):** 1

**IS 353 International Security**

(See Political Science 353)

**Prerequisite(s):** Political Science 250 or Military Science 205

**Unit(s):** 1

**IS 354 Middle East in the Media, Media in the Middle East**



How can we make sense of news from the Middle East? This exploration of the contemporary Middle East is a cross-disciplinary investigation of depictions of the Middle East in American media, on the one hand, and of Middle Eastern media, on the other. In addition to readings from anthropology, political science, sociology, and communications studies, materials will include American and Middle Eastern films, news reports of events unfolding during the semester, and a range of electronic media such as blogs, teleconferencing, and social networking. Students will also be introduced to the sources of information on current events area specialists consult.

**Unit(s):** 1

### **IS 359 Global Governance**

(See Political Science 359)

**Prerequisite(s):** Political Science 250

**Unit(s):** 1

### **IS 388 Internship**

May be taken for a grade or pass/fail. Up to one unit may be applied towards the major, only when a grade is awarded. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** International Studies 290 and permission of department.

**Unit(s):** .5-1

### **IS 390 Independent Study**

Topics independently pursued under supervision of faculty member.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25-1

### **IS 400 Senior Seminar**

Follow up on core concepts and approaches introduced in International Studies 290; sets of international issues and relationships are studied using tools and approaches of several disciplines. Seminar topics change from semester to semester. While readings are common, student's area of individual inquiry is, where possible, related to the concentration.

**Prerequisite(s):** International Studies 290.

**Unit(s):** 1

### **IS 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

## **Italian Studies Program**

### **Department of Modern Literatures and Cultures**

*Lidia Radi, Section Coordinator*

*Associate Professor Russell*

*Assistant Professor Radi*

*Director of Intensive Language Program Marcin*

*Affiliated Faculty: Elena Calvillo (Art History),*

*Joanna Drell (History)*

This section contains information specific to the degree programs in Italian studies. For full information regarding departmental policies relevant to all the MLC degree programs, study abroad, and course sequencing, see the main page of the Department of Modern Literatures and Cultures.

Courses in Italian language, literature and culture are offered in the Department of Modern Literatures and Cultures. Additionally, students may pursue the Italian Studies major or minor, which combine work in MLC with related courses in other departments.

### **Study Abroad**

Study and travel abroad are strongly encouraged for all students. For students of Italian, the department offers summer study programs in Italy. In addition, there are exchange agreements for study during the academic year in Verona, Ferrara, and Milano. For a complete list, contact the Office of International Education.

### The Residency Requirement

For all Italian majors, at least 5 of the 9 courses required for the major must be taken on the University of Richmond campus. Majors must take at least one 400-level class on campus after studying abroad, regardless of whether or not they have sufficient credits to fulfill the major or minor requirements.

### The Italian Studies Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.70).

9 courses including

ITAL 301 Italian Conversation through Cinema  
ITAL 305 Advanced Grammar and Composition  
ITAL 321 Italian Literature in Context

Two units, chosen from

ITAL 411 Italian Identities: Sicily, Veneto, and Tuscany  
ITAL 423 Le Tre Corone: Dante, Petrarca and Boccaccio  
ITAL 453 Selected Readings in 19th- and 20th-Century Italian Literature and Culture  
ITAL 497 Selected Topics in Italian Literature and Culture

Four units, chosen from (with a CLAC in Italian, if taken in English)

ITAL 311 Italian Culture and Society  
ITAL 315 Folklore and Legend in Northern Italy  
ITAL 397 Selected Topics: Italian Culture and Society  
MLC 340 European Romanticism  
MLC 350 Introductory Linguistics  
MLC 351 Contemporary Literary Theory  
MLC 357 The Idea of the Renaissance: Self, History and Knowledge  
MLC 358 Desire and Identity in the Renaissance: The Lyric Tradition  
MLC 360 Representing the Holocaust  
MLC 410 Teaching of a Modern Second Language  
ART 310 Late Antique and Early Christian Art  
ART 311 Medieval Byzantine Art  
ART 315 Art of the Italian Renaissance  
ART 316 Art in the Age of Reform  
CLSC 302 Roman Art and Archaeology  
CLSC 304 The Feminine in Greco-Roman Literature  
HIST 223 The Roman Empire

HIST 225 Medieval Italy  
HIST 227 The High Middle Ages  
HIST 228 The Medieval Economy: Pre-Industrial Europe, 500-1500  
HIST 230 The Renaissance  
HIST 249 Twentieth-Century Europe  
LATN 303 Roman Epic  
LATN 306 Roman Philosophical Literature  
LATN 307 Catullus  
LATN 309 Cicero  
PLSC 344 Europe Today  
RELG 356 Religious Thought of the Renaissance and Reformation

In addition to the regularly offered courses there will be others offered occasionally that may count towards an Italian studies major. All courses outside MLC that can be taken for credit towards the major will be announced by the section coordinator at the beginning of each registration period. Students should always check with the section coordinator to make sure that courses outside of MLC will count towards the major. Students are strongly encouraged to satisfy some of the requirements of the major by studying abroad.

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

### Cross-School Major in Italian Studies and International Business

(Earned in conjunction with a major in the Robins School of Business with an international business concentration.)

9 courses and a senior project (498-499), in addition to completing all requirements of the international business concentration for the business administration major, including  
Five units in Italian at the 300 or 400 level  
IDST 379 Interdisciplinary Research Project  
One semester full-time study at Bocconi University of Economics and Business Administration (four courses)

The Italian major/international business option represents a collaborative project between the Department of Modern Literatures and Cultures in the School of Arts and Sciences and the International Business Program in the Robins School of Business. Designated faculty members from each program will advise students upon declaration and as they progress

through the major. The curriculum includes a semester abroad at one of the University's partner institutions. There, students will continue work on their Robins School and Italian Studies requirements in classes with both local and other international students.

In order to prepare for the experience abroad, students in Italian will need to have completed at least Italian 221 on the Richmond campus; they must take at least one concurrent course in Italian while at Bocconi. Students are required to take one 400-level course in Italian upon their return.

### The Italian Studies Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.70). Up to three classes in transfer may be used toward minor requirements. Minors must take at least one 400-level class on campus after studying abroad, regardless of whether or not they have sufficient credits to fulfill the minor requirements.

5 courses, including

Three Italian courses above the 200 level

Two courses, chosen from (with a CLAC in Italian, if taken in English)

- ITAL 311 Italian Culture and Society
- ITAL 315 Folklore and Legend in Northern Italy
- ITAL 397 Selected Topics: Italian Culture and Society
- MLC 340 European Romanticism
- MLC 350 Introductory Linguistics
- MLC 351 Contemporary Literary Theory
- MLC 357 The Idea of the Renaissance: Self, History and Knowledge
- MLC 358 Desire and Identity in the Renaissance: the Lyric Tradition
- MLC 360 Representing the Holocaust
- MLC 410 Teaching of a Modern Second Language
- ART 310 Late Antique and Early Christian Art
- ART 311 Medieval Byzantine Art
- ART 315 Art of the Italian Renaissance
- ART 316 Art in the Age of Reform
- CLSC 302 Roman Art and Archaeology
- CLSC 304 The Feminine in Greco-Roman Literature
- HIST 223 The Roman Empire
- HIST 225 Medieval Italy
- HIST 227 The High Middle Ages

- HIST 228 The Medieval Economy: Pre-Industrial Europe, 500-1500
- HIST 230 The Renaissance
- HIST 249 Twentieth-Century Europe
- LATN 303 Roman Epic
- LATN 306 Roman Philosophical Literature
- LATN 307 Catullus
- LATN 309 Cicero
- PLSC 344 Europe Today
- RELG 356 Religious Thought of the Renaissance and Reformation

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

In addition to the regularly offered courses there will be others offered occasionally that may count towards an Italian studies minor. All courses outside MLC that can be taken for credit towards the minor will be announced by the section coordinator at the beginning of each registration period. Students are strongly encouraged to satisfy some of the requirements of the minor by studying abroad.

### Honors Program

The Italian Honors Program is designed for outstanding students with intellectual initiative and the desire to pursue academic achievement beyond the level of standard course work. Students will engage in independent research and work closely with a faculty advisor on an Honors Thesis during their senior year.

### Eligibility and Admission

To qualify for the Honors Program in Italian, a student should have:

1. 18.5 or more units completed overall
2. At least a 3.30 cumulative grade point average for all courses, and a 3.50 cumulative grade point average for Italian courses.

A student who does not meet these qualifications may be admitted to the program with the special recommendation of the faculty of the Italian section of the Department of Modern Literatures and Cultures and the approval of the Faculty Committee on the Honors Program.

To enter the Honors Program, students must submit to the Honors coordinator of the Italian program a letter of intent, with nominating support from one faculty member, by March 15 of their junior year. Each student will be assigned an Honors research advisor with whom he or she will design a program of study that indicates how the student's Honors Program will be accomplished.

### Program Requirements

To receive credit for the Honors Program, the student must:

- Fulfill the normal requirements for the B.A. in Italian.
- Take two 400-level Italian courses on campus for Honors credit. These courses will require extra work (supplementary readings and/or assignments, independent research on a topic related to the course, for instance). The extra work will be decided by the course instructor and vetted by the Italian Honors coordinator to ensure consistency.
- Take ITAL 491 (Honor Thesis I, 0.5 unit, fall of senior year) and ITAL 492 (Honor Thesis 2, 1 unit, spring of senior year) in order to complete a 25-30 page Honors Thesis written in Italian. This thesis will be based on extensive research and make an original contribution to Italian and Francophone studies. The student and his or her advisor should develop a schedule to meetings and assessment that they find appropriate and meet at least once a month. Honors students must present their thesis at the Italian Studies symposium at the end of their senior year. They are also strongly encouraged to apply for a Summer Research Fellowship during their junior year. The thesis will be graded by at least two readers, including the student's thesis advisor.

Students may withdraw at any time. If they do not complete required additional work or maintain an overall 3.3 grade point average and a 3.5 grade point average for Italian coursework, students will not receive credit for the Honors Program, and the department will submit a request for withdrawal to the Faculty Committee on the Honors Program.

### Courses

#### **ITAL 121 Intensive Elementary Italian**

Introduction to Italian language and culture; development of skills in listening, speaking, reading, and writing.

**Unit(s):** 2

#### **ITAL 221 Intensive Intermediate Italian**

Active reinforcement and practice of listening, speaking, reading and writing, within contemporary cultural contexts.

**Prerequisite(s):** Italian 121.

**General Education Requirement:** (COM2)

**Unit(s):** 2

#### **ITAL 301 Italian Conversation through Cinema**

Development of effective communication through viewing and discussion of contemporary films.

**Prerequisite(s):** Italian 221 or permission of instructor.

**Unit(s):** 1

#### **ITAL 305 Italian Composition, Grammar and Conversation**

Development of writing, speaking, and comprehension. Emphasis will be placed on enhancing writing skills, vocabulary expansion, pronunciation, grammatical and communicative, both written and oral, accuracy.

**Prerequisite(s):** Italian 221 or permission of instructor.

**Unit(s):** 1

#### **ITAL 311 Italian Culture and Society**

Explores the social, cultural, economic, historical and political characteristics of various regions of Italy.

**Prerequisite(s):** Italian 221.

**Unit(s):** 1

#### **ITAL 315 Folklore and Legend in Northern Italy**

Comprehensive readings of numerous legends of the northernmost region of Italy, its languages (Italian, German, and Ladino), culture, geography, and history. Listening and comprehension skills alongside reading and writing will be developed in this course.

**Prerequisite(s):** Italian 221.

**Unit(s):** 1

**ITAL 321 Italian Literature in Context**

Introduction to Italian literature through analysis of selected works in their historical, aesthetic, sociopolitical, and other cultural contexts.

**Prerequisite(s):** Italian 305

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**ITAL 388 Individual Internship**

Internship experiences outside of the department in fields related to Italian studies. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Permission of department.

**Unit(s):** .5-1

**ITAL 389 Practice Assistantship**

Students lead practice sessions associated with the elementary and intermediate language sequences in Italian. The practice assistantship does not count as course credit toward the major or minor. Up to one unit can be applied toward graduation credit.

**Prerequisite(s):** Department approval.

**Unit(s):** .25

**ITAL 397 Selected Topics**

Selected topics related to Italian culture and society, to be offered at the discretion of the department.

**Prerequisite(s):** Italian 221.

**Unit(s):** 1

**ITAL 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**ITAL 411 Italian Identities: Sicily, Veneto and Tuscany**

Comparative investigation of Sicily, Veneto, and Tuscany through historical, literary, artistic, political, and other cultural perspectives.

**Prerequisite(s):** Italian 321.

**Unit(s):** 1

**ITAL 423 Le Tre Corone: Dante, Petrarca and Boccaccio**

An exploration of Medieval Italian literature and culture, focusing on three of its most influential figures.

**Prerequisite(s):** Italian 321.

**Unit(s):** 1

**ITAL 453 Selected Readings in 19th and 20th Century Italian Literature and Culture**

Course topics will focus on various developments in Italian literature and culture in the 19th and 20th Centuries.

**Prerequisite(s):** Italian 321.

**Unit(s):** 1

**ITAL 491 Honor Thesis I**

Research of a topic of interest, design of original thesis and draft a first version of the Honors Thesis under the supervision of a thesis advisor.

**Prerequisite(s):** Participation in departmental honors program.

**Unit(s):** .5

**ITAL 492 Honor Thesis II**

Completion of a 25-30 page honor thesis and presentation of research to Italian Studies Faculty.

**Prerequisite(s):** Participation in departmental honors program.

**Unit(s):** 1

**ITAL 495 Independent Study**

Special projects individually pursued under supervision of faculty member.

**Prerequisite(s):** Permission of department.



**Unit(s):** .5-1

**ITAL 497 Selected Topics**

Special interest topics offered at department's discretion.

**Prerequisite(s):** ITAL 321

**Unit(s):** 1

## Japanese Program

### Department of Modern Literatures and Cultures

*Director of the Japanese Language Program Suzuki  
Affiliated Faculty: Steve Addiss (Art), Jane Geaney  
(Religion), Tze Loo (History)*

This section contains information specific to the degree program in Japanese. For full information regarding departmental policies relevant to all the MLC degree programs, study abroad and course sequencing, see the main page of the Department of Modern Literatures and Cultures.

#### Study Abroad

Study and travel abroad are strongly encouraged for all students. For students of Japanese, the department offers a summer study program in Japan. In addition, there are study abroad opportunities during the academic year in Japan. For a complete list, contact the Office of International Education.

#### The Japanese Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.70).

5 units, including an approved study abroad experience and

Four courses in Japanese at the 300 level or above

One elective from the list below with CLAC in

Japanese or a 400-level course in Japanese

ART 226 Art and Culture of Japan

HIST 250 Modern East Asia 1600-1960

HIST 254 Modern Japan

HIST 255 Meiji Japan: An Emperor and the World Named for Him

HIST 341 History and Memory: WWII in East Asia

PLSC 343 Politics of Asia

PLSC 357 International Relations of East Asia

RELG 355 Selected Asian Religions

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

#### Courses

##### **JAPN 101-102 Elementary Japanese**

Basic speaking, reading, and writing (hiragana, katakana, and simple kanji) with emphasis on oral performance in class.

**Prerequisite(s):** Japanese 101 is prerequisite to 102.

**Unit(s):** 1-1

##### **JAPN 201-202 Intermediate Japanese**

Further development of skills in speaking, reading, and writing (appr. 250 kanji), continued emphasis on oral performance.

**Prerequisite(s):** Japanese 102 or permission of department; Japanese 201 is prerequisite to 202.

**General Education Requirement:** (202 only, COM2)

**Unit(s):** 1-1

##### **JAPN 301 Japanese Conversation**

Continued development of speaking, including use of idiomatic phrases and more conjunctions. Debating, presentation, and summarizing skills are taught.

**Prerequisite(s):** Japanese 202 or permission of department.

**Unit(s):** 1

##### **JAPN 302 Japanese Reading**

Continued development of reading (with concentration of Joyo Kanji list) using short stories, essays, and simple reading materials.

**Prerequisite(s):** Japanese 202 or permission of department.

**Unit(s):** 1

**JAPN 310 Japanese Culture-Programmed Activities**

Practical approach to relationship between Japanese language and culture. Emphasis on oral and written skills in weekly schedule of three to four days in local business along with three days in class. (Summer only; taught in Japan.)

**Prerequisite(s):** Japanese 302.

**Unit(s):** 1

**JAPN 311-312 Japanese in Cultural Context**

Further development of communicative language skills, reading, and writing. Emphasis on cultural scenes in Japan.

**Prerequisite(s):** Japanese 202

**Unit(s):** 1-1

**JAPN 388 Individual Internship**

Internship experience outside of the department in fields related to Japanese studies. No more than 1.5 unit of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Department approval.

**Unit(s):** .25-1

**JAPN 401-402 Advanced Japanese Language, Literature and Culture**

Prepares for more advanced study of Japanese through rigorous vocabulary expansion, more sophisticated language usage patterns, and expanded work in kanji. Materials are designed to advance the student's fluency for everyday communicative tasks as well as reading skills.

**Prerequisite(s):** Japanese 301 or permission of department.

**Unit(s):** 1-1

**JAPN 495 Independent Study**

Special projects individually pursued under supervision of faculty member.

**Prerequisite(s):** Japanese 302 and permission of department.

**Unit(s):** .5-1

**JAPN 497 Selected Topics**

Special interest topics offered at department's discretion.

**Prerequisite(s):** Permission of department.

**Unit(s):** 1

**JAPN 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**Jewish Studies**

*Samuel A. Abrash, Coordinator (Chemistry)*

**The Jewish Studies Minor**

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00.

6 units selected from among the courses listed or taken with approval of the Jewish studies program coordinator, including  
 RELG 230 The History of Israel OR RELG 260 History of Judaism  
 Five units of electives, including at least two at the 300 level or higher and no more than one from Group II (below).

A maximum of two courses may be taken at VCU's Judaic Studies Program and applied to the minor with the prior permission of the program coordinator.

**Group I: Jewish Studies Core Courses**

ENGL 217 The Bible and Literature  
 HIST 271 The Modern Middle East  
 HIST 399 The Holocaust  
 JWST 297 Special Topics  
 JWST 388 Individual Internship in Jewish Studies  
 JWST 397 Special Topics  
 MLC 360 Representing the Holocaust

RELG 201 The Bible as Literature  
 RELG 230 The History of Israel  
 RELG 232 Introduction to Biblical Hebrew  
 RELG 260 History of Judaism  
 RELG 331 The Hebrew Prophets  
 RELG 332 Hebrew and Christian Wisdom Literature  
 RELG 359 American Judaism

**Group II: Related Courses**

GERM 472 Multiculturalism, Identity and Authorship in the German Context  
 HIST 242 Modern Germany  
 HIST 249 Twentieth-Century Europe  
 LAIS 421 Arabs, Jews, and Christians from Frontier to Empire  
 PLSC 346 Politics of Cultural Pluralism  
 RELG 241 Introduction to Early Christian Era  
 RELG 242 Jesus and Christian Origins  
 RELG 243 The World of the New Testament  
 RELG 244 Women in Judaism, Christianity, and Islam  
 RELG 340 Varieties of Early Christianity

Both RELG 230 and RELG 260 may be applied to the minor requirements.

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

**Courses**

**JWST 297 Special Topics in Jewish Studies**

Special topics related to Jewish history and/or culture that contribute to the Jewish studies minor.

**Unit(s):** 1

**JWST 388 Individual Internship in Jewish Studies**

Up to one unit may be applied toward the Jewish studies minor. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Approval by the Jewish studies coordinator.

**Unit(s):** .5-1

**JWST 395 Independent Study in Jewish Studies**

Topics independently pursued under supervision of faculty member.

**Prerequisite(s):** Religion 230 or 260.

**Unit(s):** .5-1

**JWST 397 Special Topics in Jewish Studies**

Special topics related to Jewish history and/or culture that contribute to the Jewish studies minor.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** 1

**JWST 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**Journalism**

**Department of Journalism**

*Mike Spear, Chair*

*Associate Professors Hodieme, Nash, Spear*

*Director of Public Affairs Journalism Mullen*

*Journalism professionals also are employed as adjunct faculty members.*

**The Journalism Major**

**Note:** Except for pass/fail courses, a grade of not lower than C (2.0) is required in each journalism course comprising the major.

9units, including

JOUR 200 News Media and Society

JOUR 201 News Writing and Reporting

JOUR 203 Introduction to Visual Journalism

JOUR 301 Copy Editing

JOUR 302 Public Affairs Reporting

JOUR 303 Journalism Law, Ethics

JOUR 304 Seminar

JOUR 377 Practicum (two semesters)

One unit of journalism elective

## The Journalism Minor

**Note:** Except for pass/fail courses, a grade of not lower than C (2.0) is required in each journalism course comprising the minor.

5.5 units, including  
 JOUR 200 News Media and Society  
 JOUR 201 News Writing and Reporting  
 JOUR 203 Introduction to Visual Journalism  
 JOUR 301 Copy Editing  
 JOUR 303 Journalism Law, Ethics  
 JOUR 377 Practicum (one semester)

### Courses

#### **JOUR 200 News Media and Society**

History and development of print and electronic media. Conflicts between the free press and other social objectives. External and internal controls affecting news media and flow of information.

**General Education Requirement:** (FSSA)

**Unit(s):** 1

#### **JOUR 201 News Writing and Reporting**

Intensive training in basic writing and reporting skills, news values, ethical practices, and research. Includes frequent writing assignments.

**Unit(s):** 1

#### **JOUR 202 Feature and Magazine Article Writing**

Research and writing of news-feature and magazine articles.

**Prerequisite(s):** Journalism 201 with a grade of C or better.

**Unit(s):** 1

#### **JOUR 203 Introduction to Visual Journalism**

Allows students who have mastered the basics of newsgathering to amplify and clarify those stories with images. Production of still photos and short videos suitable for publication.

**Unit(s):** 1

#### **JOUR 205 Photojournalism**

Theory and practice of news and feature photography, properties of light and lenses.

**Prerequisite(s):** Journalism 201 with a grade of C or

better, an approved 35mm digital SLR camera.

**Unit(s):** 1

#### **JOUR 301 Copy Editing**

Improving news writing through practice in copy reading, editing and discussion of news styles, grammar, usage, page design, headline writing, picture selection, news judgment, ethics.

**Prerequisite(s):** Journalism 200 and 201 with a grade of C or better.

**Unit(s):** 1

#### **JOUR 302 Public Affairs Reporting**

Writing and reporting on public institutions such as police, courts, and legislative bodies. Interviewing and research using public documents. Frequent off-campus writing assignments.

**Prerequisite(s):** Journalism 200 and 201 with a grade of C or better.

**Unit(s):** 1

#### **JOUR 303 Journalism Law, Ethics**

Case studies of ethical conflicts encountered in reporting and editing. State and federal case and statutory law affecting news media, especially libel, privacy, free expression, and "freedom of information."

**Prerequisite(s):** Journalism 200 and 201 with a grade of C or better.

**Unit(s):** 1

#### **JOUR 304 Seminar**

Study of specialized field of reporting or writing.

**Unit(s):** 1

#### **JOUR 306 News Graphics**

Introduction to publication design, including history and basics of typography, newspaper design, photo editing, and infographics.

**Prerequisite(s):** Journalism 200 and 201 with a grade of C or better.

**Unit(s):** 1

#### **JOUR 307 Documentary Journalism I: Evolution of the Social Narrative**

Exploration of social documentaries, documentary makers, and relevant ethical, aesthetic, legal, and economic issues. Production of a brief documentary.

**Prerequisite(s):** Journalism 200 and 201 with a grade of C or better.

**Unit(s):** 1

**JOUR 308 Documentary Journalism II: Study and Practice**

Principles and practices of documentary making: research, production, organization budgeting, writing, field and technical production. Completion of one or more documentary videos.

**Prerequisite(s):** Journalism 307.

**Unit(s):** 1

**JOUR 309 Digital News I: Multimedia Reporting and Convergence**

Specialized training and practice in news writing, reporting, and editing for electronic distribution. Exploration of how digital technology affects the gathering, production, and dissemination of news. Examines convergence, audience, research, and business and legal aspects of electronic publishing.

**Prerequisite(s):** Journalism 200 and 201 with a grade of C or better.

**Unit(s):** 1

**JOUR 310 Digital News II: Multimedia Production and Convergence**

Use of audio and video equipment for electronic newsgathering and other evolving technologies.

**Prerequisite(s):** Journalism 309.

**Unit(s):** 1

**JOUR 311 Press and Politics**

Exploration of roles and responsibilities of the press in reporting on the U.S. political process.

**Prerequisite(s):** Journalism 200 and 201 with a grade of C or better.

**Unit(s):** 1

**JOUR 312 Independent Study**

Enables qualified students who have completed basic requirements for major to work independently on special reporting and research projects.

**Prerequisite(s):** Permission of department chair and instructor.

**Unit(s):** .5-1

**JOUR 377 Practicum**

Supervised work in writing, research, or production for on-campus news media. Two semesters required for majors, one semester for minors.

**Prerequisite(s):** Journalism 200 and 201 with a grade of C or better.

**Unit(s):** .5

**JOUR 388 Internship**

Supervised work in writing, research, or production for on- or off-campus news media. May be repeated with the consent of the instructor. Offered for pass/fail grade only. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Journalism 200 and 201 with a grade of C or better.

**Unit(s):** .5

**JOUR 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

## Latin

### Department of Classical Studies

*Dean Simpson, Chair*

*Professor Simpson*

*Associate Professors Laskaris, Stevenson*

*Assistant Professor Baughan*



**The Latin Major**

**Note:** A grade of not less than C- (1.70) is required in all coursework comprising the Latin major.

10 units, including

Two units selected from

CLSC 302 Roman Art and Archaeology

CLSC 305 Greek and Roman Values or

CLSC 306 The Classical Tradition

HIST 222 Hellenistic Greece and

Republican Rome OR HIST 223 The Roman Empire

LATN 498 Major Seminar

Seven units Latin electives

**Note:** A minimum of two years of Greek is recommended for students intending to pursue graduate study.

**The Latin Minor**

**Note:** A grade of not less than C- (1.70) is required in all coursework comprising the Latin minor.

Six units of Latin, with at least two units at the 300 or 400 level.

**Related Majors**

Combined major in Latin and English

**Courses****LATN 101-102 Elementary Latin**

Introduction to Latin language and Roman culture.

**Prerequisite(s):** Latin 101 is prerequisite to 102.

**Unit(s):** 1-1

**LATN 201-202 Intermediate Latin**

Continued study of Latin language and Roman culture plus selected readings.

**Prerequisite(s):** Latin 102 or the permission of department. Latin 201 is prerequisite to 202.

**General Education Requirement:** (202 only, COM2)

**Unit(s):** 1-1

**LATN 301 Plautus**

Study of Roman comedy using Latin texts, videotapes, and live performance.

**Prerequisite(s):** Latin 307 or permission of department.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**LATN 302 Ovid**

Mythic traditions of Greco-Roman culture.

**Prerequisite(s):** Latin 307 or permission of department.

**Unit(s):** 1

**LATN 303 Roman Epic**

Special emphasis on Vergil's "Aeneid."

**Prerequisite(s):** Latin 307 or permission of department.

**Unit(s):** 1

**LATN 304 Roman Historiography**

Emphasis on Livy and Tacitus.

**Prerequisite(s):** Latin 307 or permission of department.

**Unit(s):** 1

**LATN 305 Horace**

The lyric poetry.

**Prerequisite(s):** Latin 307 or permission of department.

**Unit(s):** 1

**LATN 306 Roman Philosophical Literature**

Special emphasis on Lucretius' "De Rerum Natura" or Cicero's "Tusculan Disputations."

**Prerequisite(s):** Latin 307 or permission of department.

**Unit(s):** 1

**LATN 307 Catullus**

Literary analysis of selected readings.

**Prerequisite(s):** Latin 202 or permission of

department.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**LATN 308 The Novel**

Latin novels of Petronius and Apuleius.

**Prerequisite(s):** Latin 307 or permission of department.

**Unit(s):** 1

**LATN 309 Cicero**

Theory and history of Roman oratory.

**Prerequisite(s):** Latin 307 or permission of department.

**Unit(s):** 1

**LATN 398 Selected Topics**

Topics or themes in Roman literature. May be repeated for credit when topic varies.

**Prerequisite(s):** Latin 307 or permission of department.

**Unit(s):** 1

**LATN 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**LATN 411 The Teaching of High School Latin**

Theory and practice of teaching Latin. Designed to enable teachers to meet state licensure requirements.

**Prerequisite(s):** Latin 202 or permission of department.

**Unit(s):** .5

**LATN 498 Major Seminar**

Required of all majors. Methodologies appropriate to Latin studies and the writing of a research paper.

**Prerequisite(s):** Permission of department.

**Unit(s):** 1

**LATN 499 Independent Study**

Content suited to the requirements and interests of student, chosen by student and faculty director in advance of the semester in which the independent study is to be done.

**Prerequisite(s):** Permission of department.

**Unit(s):** .5-1

## Latin American and Iberian Studies

### Department of Latin American and Iberian Studies

*Sharon G. Feldman, Chair*  
*Professor Feldman*

*Associate Professors Ferman, Hermida-Ruiz*  
*Assistant Professors Izquierdo, Otero-Blanco*

*Director of Portuguese Abreu*

*Director of Technology, LAIS Valencia*

*Director of Intensive Language Program in Spanish*  
*Peebles*

*Assistant Director of Intensive Language Program in Spanish*  
*Simpson*

*Director of Outreach Program Lawrence*

*Director of Global Studio Scinicariello*

### The Latin American and Iberian Studies Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.70).

9.5 units, including

Two units chosen from

LAIS 301-306 (content-based language courses emphasizing speaking, reading, and writing)

One unit chosen from

LAIS 311 Perspectives on Peoples and Cultures of Spain

LAIS 312 Perspectives on Peoples and Cultures of Latin America

One unit chosen from

LAIS 321 Literary Spain

LAIS 331 Introduction to Spanish American Literature I

LAIS 332 Introduction to Spanish American Literature II

Three units chosen from the 400-level seminars in literature and culture

Two electives chosen from LAIS classes above 310

LAIS 496 Senior Symposium

Additional requirements for majors

- For students studying abroad for a semester or year, at least one 400-level LAIS seminar must be taken upon return to the University of Richmond
- A maximum of four non-University of Richmond courses can be transferred toward the LAIS major
- All LAIS majors need to have completed previously at least two 300-level LAIS courses in order to receive LAIS credit from a study abroad program

### **Cross-School Major in Latin American and Iberian Studies and International Business**

(Earned in conjunction with a major in the Robins School of Business with an international business concentration.)

9.5 units, in addition to completing all requirements of the international business concentration for the business administration major, including

Two units chosen from

LAIS 301-306 (must be taken prior to study abroad)

One unit chosen from

LAIS 321 Literary Spain

LAIS 331 Introduction to Spanish American Literature I

LAIS 332 Introduction to Spanish American Literature II

Two units in LAIS at the 400 level, one of which must be taken upon return from study abroad

One semester in Latin America or Spain at an approved institution with an all-Spanish curriculum in business (4 courses)

LAIS 496 Senior Symposium

The cross-school major in Latin American Studies and International Business represents a collaborative project between the Department of Latin American and Iberian Studies in the School of Arts and Sciences and the International Business Program in the Robins School of Business. The curriculum includes a semester abroad at one of the University's

partner institutions (for example, Universidad Torcuato Di Tella in Argentina, Universidad de Deusto in Spain, or Instituto Tecnológico y de Estudios Superiores de Monterrey in Mexico). At such institutions, students will continue their Robins School concentrations in classes with both local and other international students.

In order to prepare for the experience abroad, students in LAIS will have a solid base of 300-level courses taken on the Richmond campus. Upon return they will broaden their knowledge of literary and cultural studies through advanced seminars as well as continue their Robins School coursework.

### **The Latin American and Iberian Studies Minor**

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.70).

5 units, including

Two units chosen from

LAIS 301-306 (content-based language courses emphasizing speaking, reading, and writing)

One unit chosen from

LAIS 311 Perspectives on Peoples and Cultures of Spain

LAIS 312 Perspectives on Peoples and Cultures of Latin America

One unit chosen from

LAIS 321 Literary Spain

LAIS 331 Introduction to Spanish American Literature I

LAIS 332 Introduction to Spanish American Literature II

One elective chosen from LAIS classes above 310

All LAIS minors need to have previously completed at least two LAIS courses at the 300 level at the University of Richmond in order to transfer credit from a study abroad program.

### **LAIS Curriculum for Students with Advanced or Superior Proficiency in Spanish**

The following curriculum is designed for students entering the university with advanced or superior proficiency in Spanish. This includes native speakers, heritage speakers, and students who have acquired advanced proficiency through residence in a Spanish-speaking country. Students with advanced or superior

proficiency must seek the advice of an LAIS faculty member before registering.

Students with advanced or superior proficiency who wish to pursue a major or minor in LAIS should complete their studies with courses higher than LAIS 310. One of these courses should be LAIS 385 Spanish Writing Workshop. The total number of units required for the major remains 9.5 (and, for the minor, it remains 5).

Students with advanced or superior proficiency who wish to take LAIS courses as electives, without pursuing a major or minor, should follow the same criteria. Students who have taken a course above 310 cannot take a language course below 310 for elective credit, except with permission of the department.

### Note about Portuguese

LAIS 313, Portuguese for Spanish Speakers, is an accelerated language course aimed at students already fluent in Spanish (either heritage speakers or students who have completed at least one 400-level LAIS course). LAIS 323, Mapping Luso-Brazilian Cultures, is a follow-up course to develop reading skills. Both Portuguese courses may be taken for elective credit toward the LAIS major. Contact Professor Dixon Abreu if interested.

### Related Fields

- International Studies: Latin American Studies
- International Studies: Modern Europe
- International Studies: World Politics and Diplomacy

### Study Abroad

Study abroad is strongly encouraged for all students. The department offers summer study programs in Argentina and Spain. In addition, there are exchange agreements for study during the academic year in Argentina, Brazil, Chile, Mexico, and Spain. For a complete list, contact the Office of International Education.

### Outreach Program

The LAIS Outreach Program at the University of Richmond builds bridges with the Hispanic community, giving students the opportunity to enrich

their cultural experience and use their language skills. Students participating in this program may work for a minimum of 20 hours per semester for an additional .25 units of credit (up to .5 units of credit).

### Courses

#### **LAIS 121 Intensive Elementary Spanish**

For students with no prior experience studying the Spanish language. Stresses development of skills in speaking, listening, reading, and writing in a fast-paced environment, which includes an introduction to the cultures of the Spanish-speaking world. Taught in Spanish, with two additional weekly practice sessions.

**Unit(s):** 2

#### **LAIS 131 Intensive Elementary Portuguese**

Intensive introduction to the Portuguese language. Stresses development of skills in speaking, listening, reading, and writing in a fast-paced environment that includes an introduction to the cultures of the Lusophone world.

**Unit(s):** 2

#### **LAIS 151 Accelerated Elementary Spanish**

Advanced beginner's course is designed for students who need a review of elementary Spanish before continuing on to Spanish 221. The course will concentrate on the fundamentals of the Spanish grammar system as applied to the skills of speaking, listening, reading, and writing. Taught in Spanish, with two additional weekly practice sessions.

**Prerequisite(s):** At least two years of high school Spanish.

**Unit(s):** 1

#### **LAIS 221 Intensive Intermediate Spanish**

Stresses further development of language production and reception skills through expanded creative activities including class discussions, written compositions, and in-class presentations. The cultural component includes readings, films, and Web-based authentic materials from the Spanish-speaking world. Taught in Spanish, with two additional weekly practice sessions.

**Prerequisite(s):** Latin American and Iberian Studies 121 or 151 or permission of department.

**General Education Requirement:** (COM2)

**Unit(s):** 2

**LAIS 231 Intensive Intermediate Portuguese**

Reinforcement and further development of listening, speaking, reading and writing skills in Portuguese; detailed survey/study of Lusophone cultures.

**Prerequisite(s):** Latin American and Iberian Studies 131

**General Education Requirement:** (COM2)

**Unit(s):** 2

**LAIS 301 Spanish in the Community**

Development of aural, oral, and written communication skills through the study of the Latin American immigrant experience. In addition to the classroom study of Hispanic immigrant literature, newspapers, and films, students will participate in an outreach project in the local Hispanic community. Note: The community-based learning component may also be undertaken independently. Contact the department for more information.

**Prerequisite(s):** Latin American and Iberian Studies 221.

**Unit(s):** 1

**LAIS 302 Spanish through Literature**

Development of aural, oral, and written communication skills through literary texts of the Hispanic world. Students will read poems, short stories, plays, and short novels and interpret them through class discussions and regular writing assignments. This is not an FSLT course.

**Prerequisite(s):** Latin American and Iberian Studies 221.

**Unit(s):** 1

**LAIS 303 Spanish in the Media**

Development of aural, oral, and written communication skills through a focus on mass media in Spanish and Latin American culture. Spanish will be taught through direct contact with newspapers, journals, TV programming, and films. Students are expected to participate actively in class debates and presentations, complete written assignments on a regular basis, and view all programs and films assigned by the instructor.

**Prerequisite(s):** Latin American and Iberian Studies

221.

**Unit(s):** 1

**LAIS 304 Spanish in the Theater**

Development of aural, oral, and written communication skills through the study and performance of contemporary plays from Latin America. Special attention will be given to the discussion of social, cultural, historical, and political aspects of the texts studied, as well as their genre-specific characteristics.

**Prerequisite(s):** Latin American and Iberian Studies 221.

**Unit(s):** 1

**LAIS 305 Spanish in Politics and Society**

Development of aural, oral, and written communication skills through the study and discussion of current events and issues in the Spanish-speaking world.

**Prerequisite(s):** Latin American and Iberian Studies 221.

**Unit(s):** 1

**LAIS 306 Spanish in Business**

Development of aural, oral, and written communication skills relative to commercial documents and transactions commonly used in the Hispanic world. Practice in writing based on materials needed for conducting business in Spanish.

**Prerequisite(s):** Latin American and Iberian Studies 221.

**Unit(s):** 1

**LAIS 311 Perspectives on Peoples and Cultures of Spain**

Study of society, cultures, arts, history, and ideas of Spain.

**Prerequisite(s):** Two of Latin American and Iberian Studies 301, 302, 303, 304, 305 or 306.

**Unit(s):** 1

**LAIS 312 Perspectives on Cultures and Nations of Latin America**

Study of society, cultures, arts, history, and ideas of Latin America.



**Prerequisite(s):** Two of Latin American and Iberian Studies 301, 302, 303, 304, 305 or 306.

**Unit(s):** 1

**LAIS 313 Portuguese for Spanish Speakers**

Accelerated introduction to Brazilian Portuguese language and culture for students already proficient in Spanish. Focus on developing listening, speaking, reading, and writing skills through the study of grammar and selected readings.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332

**Unit(s):** 1

**LAIS 321 Literary Spain: Poetry, Drama, Fiction**

Introduction to literary analysis within the cultural context of Spain. Critical tools for approaching specific literary genres: short story, novel, poetry, and drama. Readings are selected for their literary, cultural, and historical significance.

**Prerequisite(s):** Two of Latin American and Iberian Studies 301, 302, 303, 304, 305 or 306.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**LAIS 323 Mapping Luso-Brazilian Cultures**

Advanced Portuguese grammar; continued expansion of oral, reading and writing skills; introduction to social and historical development of Lusophone cultures.

**Prerequisite(s):** Latin American and Iberian Studies 231 or 313.

**Unit(s):** 1

**LAIS 331-332 Introduction to Spanish-American Literature, I-II**

Introduction to Spanish-American literature and critical literary analysis. Focus on primary texts dating from the 15th through 19th centuries (331); 20th century (332).

**Prerequisite(s):** Two of Latin American and Iberian Studies 301, 302, 303, 304, 305 or 306.

**General Education Requirement:** (FSLT)

**Unit(s):** 1-1

**LAIS 385 Spanish Writing Workshop**

Analysis of grammatical structure of Spanish. Writing practice.

**Prerequisite(s):** Two of Latin American and Iberian Studies 301, 302, 303, 304, 305 or 306. Students entering with advanced or superior proficiency should contact the department about enrollment in this class.

**Unit(s):** 1

**LAIS 388 Individual Internship**

Not to be counted as credit toward the major or minor. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Admission by audition/permission of department.

**Unit(s):** .25-1

**LAIS 389 Practice Assistantship**

Students lead practice sessions associated with the elementary and intermediate language sequences in Spanish. The practice assistantship does not count as course credit toward the major or minor.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25

**LAIS 397 Selected Topics**

Special interest topics offered at department's discretion.

**Prerequisite(s):** Permission of department.

**Unit(s):** 1

**LAIS 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**LAIS 421 Arabs, Jews and Christians from Frontier to Empire: Medieval Spanish Literature**

Analysis of the interaction between Christians, Jews, and Muslims in the Spanish Peninsula from the establishment of Al-Andalus to the consolidation of the Spanish Empire. An analysis of this cultural period in light of the attention given (or not given) to it in contemporary historiography, either as an exemplary moment of religious tolerance or "convivencia," or as early proof of what is now called "the clash of civilizations" or "clash of cultures."

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 432 True Lies: Fiction and Truth in Don Quijote**

Study of Cervantes' successful formula for the novel. Analyzes conflict between fiction and truth as the basis for a new realist novel proposed by Cervantes.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 431 Imperial Spain: The Age of Conflict**

Study of literary responses to the new constitution of Spain as Empire and new definitions of Spanish identity.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 451 Literature of Exile**

Study of Spanish exile literature and multiple constructions of the exilic imagination in relation to Spanish cultural and political history.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 452 Spanish-American Poetic Texts**

Study of the communicative power of poetic language with special emphasis given to identification of basic tools for interpreting poetic texts in relation to individual and general contexts

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 454 Modern Literature of Galicia**

An interdisciplinary approach to the study of modern Galician literature and culture (Galician traditions, visual art, film) and their relevance within a global context.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 455 Barcelona: Text and City**

The cultural, intellectual, and urban history of the city of Barcelona from the mid 19th century to the present, with special attention to how the city is portrayed in literature and other works of art.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 462 Visions of Contemporary Spain**

Study of the cultures of contemporary Spain since the transition to democracy with special attention given to literature, film, theatre, art, popular culture, and mass media.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 463 Modern Spanish Narrative**

Study of representative narrative texts from the 19th to the 21st century. Emphasis on the technical and thematic innovations of the novel and short story as well as the social and historical contexts that have shaped literary production.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 464 Modern Theatre in Spain**

Study of written dramatic texts and performance traditions from Spain. Selections may include works from the 18th century to the present.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 465 Spanish Cinema**

Study of significant Spanish films with special attention to their relationship to politics, culture, society, and history.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 471 Introduction to Latin American Film**

Study of prominent examples of Latin American film production with special attention paid to aesthetic aspects of cinematographic language and cultural questions embodied in the films examined. (Same as Film Studies 471)

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 472 Contemporary Spanish-American Theater**

Study of leading contemporary theatrical movements in Spanish America with focus on universal aspects of language of the theater and uniqueness of Spanish-American themes and trends.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 473 Political Action and Latin American Indigenous Film**

Examines the main cinematic movements in Latin America, in which political action and the vindication of indigenous peoples and their land coalesce with a concern for a new film aesthetic. (Same as Film Studies 473)

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 474 Contemporary Writing in Latin America: Sex, Drugs and Rock 'n' Roll**

An interdisciplinary approach to the study of the literary movements currently taking place in Latin America. Special attention devoted to the literature published during the last decade of the 20th century

as a defining period in which new trends become consolidated. Covers the entire region, focusing on works published in the Southern Cone, Colombia, Central America, Mexico, and Cuba.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 475 Women and Writing in Latin America**

Question of representation and self-representation of women in selected Spanish-American texts. Attention given to recently developed theories relevant to women's writing and concerns.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 477 Literature of the Spanish-Speaking Caribbean**

Study of texts representative of multiple ethnic and cultural influences (indigenous, European, and African) at play in the Caribbean basin.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 484 The Latin American Essay**

Examines the cultural history of Latin America and the construction of its intellectual traditions through the study of the essay. Special attention given to the definition of the genre within Spanish-American literature and its role in public debates from colonial to contemporary Latin America.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 485 Spanish-American Narrative**

Study of representative Spanish-American novels and/or short stories from the 19th, 20th, and 21st centuries. Attention given to technical aspects of literary narrative as well as cultural contexts.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 486 U.S. Latino/a Literature**

Comprehensive study of Hispanic-Americans' struggle for identity in light of their historical, ethnic, economic, and cultural positions in the United States.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 487 Latin America: Encounter and Conflict**

Thematic study of representative Spanish-American texts, focusing on the search for identity and confrontation occurring between different societies, systems of thought, and cultures.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**LAIS 495 Independent Study**

Special research projects pursued individually under faculty supervision. Project proposal must be fully developed in conjunction with a faculty member prior to presentation for department approval.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25-1

**LAIS 496 Senior Symposium**

Presentation at the Latin American and Iberian Studies Spring Symposium of research project carried out within the context of an LAIS seminar. Offered in spring semester only.

**Prerequisite(s):** Senior standing.

**Unit(s):** .5

**LAIS 497 Selected Topics**

Special interest topics offered at discretion of the department.

**Prerequisite(s):** Latin American and Iberian Studies 321, 331, or 332.

**Unit(s):** 1

**Law and the Liberal Arts**

*Nancy Schaubert, Coordinator (Philosophy)*

Law and the liberal arts is an interdisciplinary minor that consists of courses from across the curriculum. The courses that count toward the minor are those that are generally recommended by law schools for students thinking about going to law school. The purpose of the courses within the minor is to prepare one to think critically and analytically as a well-rounded liberal artist. The courses are divided into eight areas: law, American history, economics, ethics, legal system, logical reasoning, public speaking and debate, and writing.

**The Law and the Liberal Arts Minor**

**Note:** Students must receive a C (2.0) or above for these courses to count toward the minor. No course taken for less than .5 units will count towards the minor.

6 units, including

One unit in Area 1

Five units from at least five of the remaining areas

No more than three of the courses to be applied toward the minor may be from any one department.

At least two courses must be at the 300-level or higher to count toward the minor. No more than two courses at the 100-level may count toward the minor.

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

**Area 1: Law**

CJ 320 Fundamentals of Criminal Law

ECON 231 Law and Economics

PHIL 260 Philosophical Problems in Law and Society

PHIL 364 Philosophy of Law

PLSC 331 Constitutional Law

PLSC 333 Civil Rights and Civil Liberties

PLSC 352 International Law

PLSC 379 Selected Topics (appropriate when the subject relates primarily to law and the course is approved by the law and the liberal arts advisory council)

RHCS 353 Rhetoric and Law

WGSS 302 Women and the Law

**Area 2: American History**

HIST 217 State and Society in the United States, 1890-1945  
 HIST 218 State and Society in the United States, 1945-Present  
 HIST 391 Transnational Social Reform  
 PLSC 336 American Constitutional History

**Area 3: Economics**

ECON 101 Principles of Microeconomics  
 ECON 102 Principles of Macroeconomics  
 ECON 105 Introduction to Global Economics

**Area 4: Ethics**

ECON 260 Special Topics: Ethics and Economics  
 LDST 205 Justice and Civil Society  
 LDST 377 Ethical Decision Making - Health Care  
 PHIL 220 Contemporary Moral Issues  
 PHIL 360 Ethics  
 PHIL 365 Action, Responsibility, and Free Will  
 PHIL 375 Ethics and Practical Reasoning  
 PHIL 380 Topics Seminar (appropriate when the subject relates primarily to law and the course is approved by the law and the liberal arts advisory council)  
 RELG 267 Varieties of Christian Ethics  
 BUAD 392 Ethical, Social and Legal Responsibilities

**Area 5: Legal System**

ANTH 335 Law and Order: the Anthropology of Justice  
 CJ 321 Fundamentals of Criminal Procedure  
 PLSC 337 Legal System  
 SOC 207 Crime and Justice in a Post-Modern Society  
 SOC 324 Law and Society

**Area 6: Logical Reasoning**

CMSC 150 Introduction to Computing  
 CMSC 155 Introduction to Scientific Computing  
 LDST 250 Critical Thinking (.5 units)  
 MATH 300 Fundamentals of Abstract Mathematics  
 PHIL 251 Elementary Symbolic Logic

**Area 7: Public Speaking and Debate**

RHCS 201 Argumentation and Debate  
 RHCS 325 Medieval to Modern Rhetorics  
 RHCS 332 Practicum/Debate (.25-1 unit)

RHCS 343 Rhetoric and Politics  
 PLSC 290 Mock Trial (.5 units)

**Area 8: Writing**

ENGL 382 The Art of Writing: Aims, Modes, Process.  
 ENGL 383 Introduction to Composition Theory and Pedagogy

**Math****Department of Mathematics and Computer Science**

*B. Lewis Barnett III Chair*  
*Professors Charlesworth, Davis, Fenster, Greenfield, J. Hubbard, Nall, Ross*  
*Associate Professors Barnett, Caudill, K. Hoke, Kerckhove, Lawson, Owen, Szajda*  
*Assistant Professor Shaw*  
*Director of Developmental Mathematics H. Hoke*

**The Math Major**

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no mathematics course grade below C- (1.7). Students are strongly advised to consult with faculty in planning their major curriculum.

**For either the Bachelor of Arts or Bachelor of Science degree:**

MATH 211 Calculus I  
 MATH 212 or 232 Calculus II  
 MATH 235 Multivariate Calculus  
 MATH 245 Linear Algebra  
 MATH 300 Fundamentals of Abstract Mathematics  
 MATH 306 Abstract Algebra I  
 MATH 320 Real Analysis I  
 Four additional units of 300-level mathematics courses  
 CMSC 150 or 155 Introduction to Computing

**And for the Bachelor of Science degree:**

Four other units in computer science with at least two at the 300 level, or two units beyond the introductory level in one of the following fields: physics (200 level or above), chemistry (200 level or above), or biology (numbered higher than 205).



Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

**Note:** Students are strongly advised to complete either MATH 306 or 320 prior to the senior year.

### The Math Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no mathematics course grade below C- (1.7). Students are strongly advised to consult with faculty in planning their minor curriculum.

6 units, including

MATH 211 Calculus I

MATH 212 or 232 Calculus II

MATH 235 Multivariate Calculus

MATH 245 Linear Algebra

Two units at the 300 level

#### Actuarial Sciences

Students interested in becoming an actuary should consider either majoring in mathematics or mathematical economics. Either of these options will provide the necessary education that can lead to successful entry into the field. A strong background in mathematics is essential for students interested in a career as an actuary. This should include

- Three semesters of calculus (MATH 211, 212, and 235),
- One semester of linear algebra (MATH 245), and
- Two semesters of calculus-based probability and statistics (MATH 329 and 330).
- In addition, courses in applied statistics, computer science, economics, and finance are also extremely valuable.

The best way to ensure that you are attractive from an employment perspective is to pass the beginning actuarial examinations while you are still a student. Actuaries achieve professional status by passing a set of examinations and by satisfying certain educational experiences that are prescribed by the CAS and the SOA. The concepts contained in these assessments can be based on college courses (a B- or better is required), or an exam can be taken. For more information about preparing to be an actuary, contact Dr. Jason Owen in the Department of Mathematics and Computer Science.

### Related Fields

Mathematical Economics

#### Pre-calculus

The Math and Computer Science Department at University of Richmond does not offer Pre-calculus. Students needing this course as a pre-requisite to other courses will need to complete it in high school or make their own arrangements to complete it later. The course is not eligible for transfer and will not count toward a B.A., B.S., or B.S.B.A. degree at the University of Richmond.

### Courses

#### **MATH 102 Problem Solving Using Finite Mathematics**

Topics to demonstrate power of mathematical reasoning. Course has two components: (1) introduction to sets and symbolic logic (the fundamentals of proving results) and (2) the application of these fundamentals to at least one particular area of mathematics. The area is dependent on the instructor.

**General Education Requirement:** (FSSR)

**Unit(s):** 1

#### **MATH 103 An Introduction to Simulation (The Mathematics of Waiting in Line)**

Introduction to fundamentals of abstracting practical situations involving waiting lines (e.g., supermarket lines, assembly lines, emergency rooms, computer networks) into mathematical models. Abstracted models will be simulated using computer software to obtain approximate solutions. Introduction to statistical analysis of data is also included.

**General Education Requirement:** (FSSR)

**Unit(s):** 1

#### **MATH 104 Symmetry in Tilings and Patterns**

Introduction to symmetry and its use in the generation and classification of geometric patterns.

**General Education Requirement:** (FSSR)

**Unit(s):** 1

#### **MATH 119 Statistics for Social and Life Sciences**

Introduction to statistical methods with some applications in the social and life sciences. Topics include descriptive statistics, graphical methods, estimation, hypothesis testing, regression, correlation,

and the analysis of categorical data. The proper use of statistical computing software like SPSS will be emphasized. NOTE: Credit cannot be received for both Mathematics 119 and either Psychology 200 or Business Administration 301.

**Unit(s):** 1

**MATH 190 Integrated Science/Math/Computer Science 2 with Laboratory**

One of two courses taught fall semester as part of Integrated Quantitative Science program. Each semester of the course will be organized around a guiding principle that integrates several concepts. Along with co-requisite, will include ten hours for lecture and lab combination.

**Prerequisite(s):** High school calculus. Co-requisite: Biology 190. Acceptance to Intergrated Quantitative Science course required.

**General Education Requirement:** (FSSR)

**Unit(s):** 1

**MATH 195 Special Topics**

Special topics satisfying neither major nor minor requirements.

**Unit(s):** .25-1

**MATH 211 Calculus I**

Limits, continuity, derivatives, and integrals. Derivatives of trigonometric, exponential, logarithmic, and inverse trigonometric functions; applications to curve sketching; applications to the physical, life, and social sciences; Mean Value Theorem and its applications; Fundamental Theorem of Calculus.

**Prerequisite(s):** High school precalculus.

**General Education Requirement:** (FSSR)

**Unit(s):** 1

**MATH 212 Calculus II**

Techniques of integration; applications of integration; improper integrals; Taylor's Theorem and applications; infinite series; differential equations. Credit will not be given for both Mathematics 212 and 231.

**Prerequisite(s):** Mathematics 211 or one year of high school AP calculus.

**General Education Requirement:** (FSSR)

**Unit(s):** 1

**MATH 219 Introduction to the Design of Experiments**

The basic theory and principles related to the design of modern scientific experiments. Topics include: analysis of variance (ANOVA) for experiments with a single factor, multiple comparisons of treatment means, factorial experiments, blocking, randomized block designs, Latin square designs, random effects models, analysis of covariance, nested models, and other topics.

**Prerequisite(s):** Either Mathematics 119, Psychology 200, Chemistry 300, Business Administration 301, or Mathematics 330.

**Unit(s):** 1

**MATH 232 Scientific Calculus II**

Taylor polynomial approximations; discrete and continuous probability; models of dynamical systems via difference equations, differential equations, and systems of linear difference equations, including relevant topics from linear algebra.

**Prerequisite(s):** Mathematics 211 or one year of high school AP calculus.

**General Education Requirement:** (FSSR)

**Unit(s):** 1

**MATH 235 Multivariate Calculus**

N-dimensional Euclidean space, functions of several variables, partial derivatives, multiple integrals, line and surface integrals, classical integral theorems, applications.

**Prerequisite(s):** Mathematics 212 or 232.

**General Education Requirement:** (FSSR)

**Unit(s):** 1

**MATH 245 Linear Algebra**

Vector spaces, matrices, systems of linear equations, linear transformations, applications.

**Prerequisite(s):** Mathematics 212 or 232 or Computer Science 222.

**Unit(s):** 1

**MATH 300 Fundamentals of Abstract Mathematics**

Logic, quantifiers, negations of statements with quantifiers, set theory, induction, counting principles, relations and functions, cardinality. Emphasis on methods of proof and proper mathematical expression.

**Prerequisite(s):** Mathematics 212 or 232.

**Unit(s):** 1

**MATH 304 Mathematical Models in Biology and Medicine**

Mathematical models in modern biological and medical applications. Primary focus on practical understanding of the modeling process, and development of requisite modeling skills. Topics include discrete and continuous dynamical systems, including parameter estimation.

**Prerequisite(s):** Math 235, 245 or 300.

**Unit(s):** 1

**MATH 306-307 Abstract Algebra I and II**

Systematic study of the theory of groups, rings and fields.

**Prerequisite(s):** Mathematics 245 and 300. Mathematics 306 is prerequisite to 307.

**Unit(s):** 1-1

**MATH 309 Financial Mathematics: The Theory of Interest and Investment**

Develops a practical understanding of financial mathematics and interest theory in both finite and continuous time. This theory includes the fundamentals of how annuity functions are applied to the concepts of present and accumulated value for various cash flow streams and how this is used for future planning in valuation, pricing, duration, immunization, and investment. Topics include: rates of interest and discount, the force of interest, level and varying annuities, evaluation of financial instruments (e.g. bonds, stocks, leveraged strategies), measures of interest rate sensitivity, and the term structure of interest rates.

**Prerequisite(s):** Math 235, 245 or 300.

**Unit(s):** 1

**MATH 310 Advanced Multivariable Calculus**

Differentiation of vector-valued functions, Jacobians, integration theorems in several variables. Fourier series, partial differential equations.

**Prerequisite(s):** Mathematics 235.

**Unit(s):** 1

**MATH 312 Differential Equations**

Introduction to ordinary differential equations and their use as models of physical systems. Linear and nonlinear equations and systems of equations, including existence and uniqueness theorems, analytical solution techniques, numerical methods, and qualitative analysis. Includes studies of global behavior and local stability analysis of solutions of nonlinear autonomous systems; bifurcation analysis; Laplace transforms. Application and modeling of real phenomena included throughout.

**Prerequisite(s):** Mathematics 212 or 232. Corequisite: Mathematics 245.

**Unit(s):** 1

**MATH 315 Modern Geometry**

Geometry of surfaces in 3-dimensional space, including lengths, areas, angles, curvature, and topology. Classification of Euclidean isometries. Classification of compact surfaces having constant Gaussian curvature.

**Prerequisite(s):** Mathematics 235 and 245.

**Unit(s):** 1

**MATH 320-321 Real Analysis I and II**

Topological properties of the real line and Euclidean space. Convergence, continuity, differentiation, integration properties of real-valued functions of real variables.

**Prerequisite(s):** Mathematics 235 and 300. Mathematics 320 is prerequisite to 321.

**Unit(s):** 1-1

**MATH 323 Discrete Mathematical Models**

Applications of discrete mathematics from two viewpoints: how mathematical models are used to solve problems from other fields and how problems from other fields stimulate the development of new mathematics. Probabilistic models are emphasized. Examples of problems include analysis of board games, elections, and DNA.

**Prerequisite(s):** Mathematics 245.

**Unit(s):** 1

**MATH 324 Continuous Mathematical Models**

Continuous models in modern applications. Primary focus on practical understanding of the modeling process, with goals of developing individual modeling skills and ability to critically read modeling reports in scholarly journals. Mathematical topics include ordinary differential and partial differential equations.

**Prerequisite(s):** Mathematics 312.

**Unit(s):** 1

**MATH 328 Numerical Analysis**

Analysis and implementation of algorithms used in applied mathematics, including root finding, interpolation, approximation of functions, integration, solutions to systems of linear equations. (Same as Computer Science 328.)

**Prerequisite(s):** Mathematics 212 or 232, Mathematics 245, and Computer Science 150 or 155.

**Unit(s):** 1

**MATH 329 Probability**

Introduction to the theory, methods, and applications of randomness and random processes. Probability concepts, independence, random variables, expectation, discrete and continuous probability distributions, moment-generating functions, simulation, joint and conditional probability distributions, sampling theory, laws of large numbers, limit theorems.

**Prerequisite(s):** Mathematics 235. Corequisite: Mathematics 245.

**Unit(s):** 1

**MATH 330 Mathematical Statistics**

Introduction to basic principles and procedures for statistical estimation and model fitting. Parameter estimation, likelihood methods, unbiasedness, sufficiency, confidence regions, Bayesian inference, significance testing, likelihood ratio tests, linear models, methods for categorical data, resampling methods.

**Prerequisite(s):** Mathematics 329.

**Unit(s):** 1

**MATH 331 Complex Analysis**

Introduction to the calculus of functions of a single complex variable, including series, calculus of residues, and conformal mapping.

**Prerequisite(s):** Mathematics 310 or Physics 301.

**Unit(s):** 1

**MATH 336 Operations Research**

Linear and Integer Programming: algorithms, complexity, sensitivity, and duality. Applications such as assignments, networks, scheduling.

**Prerequisite(s):** Mathematics 323.

**Unit(s):** 1

**MATH 340 Directed Independent Study**

For well-qualified students who wish to work independently in areas not included in curriculum. Proposal must be approved by departmental committee.

**Prerequisite(s):** Permission of department chair and instructor.

**Unit(s):** .25-1

**MATH 350 Coding Theory**

Error-correcting codes are used to ensure reliable electronic communication in everything from compact disc players to deep-space transmission. Topics include linear codes, design theory, cyclic codes, counting arguments for nonexistence, decoding algorithms.

**Prerequisite(s):** Mathematics 245 or permission of instructor.

**Unit(s):** 1

**MATH 355 Cryptography**

History and development of “secret codes” with applications to electronic commerce, diplomatic and military communication and computer security. Emphasis on mathematical structures underlying classical, arithmetic, algebraic, mechanical, electronic, and public-key cryptosystems.

**Prerequisite(s):** Mathematics 245 and either Mathematics 300 or Computer Science 222 or permission of instructor.

**Unit(s):** 1

**MATH 395 Special Topics**

Selected topics in mathematics.

**Prerequisite(s):** Varies with topic.

**Unit(s):** .5-1

**MATH 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**Mathematical Economics**

*Jason Owen, Mathematics Program Coordinator*  
*Andrew Yates, Economics Program Coordinator*

The mathematical economics (MATH-ECON) major includes courses taught by faculty in both the mathematics and economics departments. Faculty members, graduate students, and recent Ph.D.s ranked analytical skills and mathematics as the most important skills necessary for success in the graduate study of economics. The MATH-ECON major is designed to develop those skills. Additionally, the combined major provides a stronger, more coordinated curriculum for students who would otherwise major in economics or business and minor in mathematics. The MATH-ECON major is available as a Bachelor of Science degree.

**The Mathematical Economics Major**

**Note:** A grade point average of C (2.00) is required in the major, with no course grade below a C- (1.70) in courses counting towards the major.

16 units, including  
MATH 211 Calculus I  
MATH 212 or 232 Calculus II  
MATH 235 Multivariate Calculus

MATH 245 Linear Algebra  
MATH 329 Probability  
MATH 330 Mathematical Statistics  
CMSC 150 Introduction to Computing or CMSC 155 Introduction to Scientific Computing  
ECON 101 Principles of Microeconomics  
ECON 102 Principles of Macroeconomics  
ECON 271 Microeconomic Theory  
ECON 272 Macroeconomic Theory  
ECON 340 Econometrics  
ECON 341 Mathematical Economics  
MTEC 400 Capstone in Mathematical Economics  
One unit chosen from  
MATH 310 Advanced Multivariate Calculus  
MATH 312 Differential Equations  
MATH 320 Real Analysis I  
MATH 323 Discrete Mathematical Models  
MATH 328 Numerical Analysis  
MATH 395 Special Topics  
One unit chosen from  
ECON 300 Industrial Organization and Public Policy  
ECON 310 International Trade and Finance  
ECON 330 Environmental and Resource Economic Theory  
ECON 331 Labor Economics  
ECON 332 Public Economics  
ECON 360 Selected Economic Topics

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

**Honors Program**

In order to be eligible, students must have met the following qualifications:

- Completion of at least 18 units of coursework, not including courses in which the student is currently enrolled
- Overall GPA of 3.3 or higher
- Completion of at least four units within the major, excluding courses primarily for first-year students (MATH 211, 212, 231, 232; ECON 101, 102), with a cumulative GPA in all such courses of at least 3.3

The student will select a willing faculty member to serve as lead advisor for the project. Together they find a second faculty member to serve as consultant. One faculty member should be from economics and one from mathematics.

The student and lead advisor will plan the student's honors program. The student and advisor will plan four units of coursework in support of the honors topic. Two of these units will be MATH 340 Directed Independent Study or ECON 490-491 Honors Seminar/Research, depending on the department of the lead advisor. These courses are used to prepare the honors thesis. The remaining two units will be selected from the regular curriculum with an additional honors component; one unit will be from upper-level economics and one unit from upper-level mathematics. These courses will be chosen with an eye towards maximizing the student's ability to produce a quality honors thesis.

A completed honors thesis will be read and approved by a committee of at least three readers, including the lead and consulting advisors, and will be presented to the faculty in both departments.

### Courses

#### **MTEC 400 Capstone in Mathematical Economics**

Seminar that focuses on an area of advanced mathematics with broad economic applications. Students will independently explore the area through readings from both the mathematical and economic literatures.

**Prerequisite(s):** Economics 271, Mathematics 329 and senior standing.

**Unit(s):** 1

### **Medical Humanities**

*John Vaughan, Coordinator (Biology)*

The medical humanities minor complements the science-intensive pre-health curriculum by providing future healthcare practitioners with a solid foundation in the interpersonal, cultural, bioethical, legal, economic, business, and political facets of medicine. In physician-led courses, particular emphasis will be placed on the physician-patient relationship. By combining a mastery of the sciences with the development of medical humanity skills, students will be well-equipped to become effective healthcare providers.

### **The Medical Humanities Minor**

Five units, including  
 IDST 200 The Medical Humanities or IDST 201 Doctors Becoming Doctors  
 LDST 377 Ethical Decision Making in Healthcare  
 PLSC 365 U.S. Healthcare Policy and Politics  
 Two courses, chosen from

ANTH 302 Medicine and Health from a Global/Anthropological Perspective  
 CLSC 210 A History of Early Medicine  
 ENGL 400 Medicine, Mortality, and Meaning

HIST 199 Health In American History  
 HIST 361 Madness and Society in the Modern Era

IDST 200 The Medical Humanities (if taken in addition to IDST 201 Doctors Becoming Doctors)

IDST 201 Doctors Becoming Doctors (if taken in addition to IDST 200 The Medical Humanities)

IDST 240 Law and Medicine  
 IDST 397/MGMT 349 Health Care Administration and Management

PHIL 220 Contemporary Moral Issues  
 PLSC 363 Global Health, Infectious Disease, and Human Rights

PLSC 364/PSYC 353 Mental Health and Policy

PLSC 379 Public Health and the Environment

PSYC 331 Behavioral Neuroscience

PSYC 341 Cognitive Neuroscience

PSYC 444 Clinical Case Studies (Foundations of Neuropsychology)

RHCS 102 Interpersonal Communication or another approved elective

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

### **Military Science and Leadership**

*Mark A. Thomson, Lieutenant Colonel, U. S. Army, Chair*

*Assistant Professors Bornick, Scott, White, Galloway, Freeman*



The objective of the military science and leadership program is to provide the leadership and management foundation required for military service as a commissioned officer or in a civilian counterpart position. In support of this objective the program includes classroom instruction and activities geared to the development of leadership skills.

Military science and leadership classes may be taken by all University students. Class enrollment in the military leadership classes carries no U.S. Army commitment and there is no obligation to enroll for successive course offerings. College and/or commissioning credit may be awarded for prior military service, attendance at the ROTC Leader's Training Course, or Junior ROTC participation. International students desiring to attend military science and leadership classes must have written approval from their respective embassies prior to taking classes.

### Courses

#### **MSCL 101 Foundations of Officership**

Introduces students to fundamental components of service as an officer in the United States Army. These initial lessons form building blocks of progressive lessons in values, fitness, leadership, and officership. Additionally, the program of instruction addresses "life skills" including fitness, communications theory and practice (written and oral), and interpersonal relationships.

**Prerequisite(s):** First- or second-year class standing or permission of department chair.

**Unit(s):** .5

#### **MSCL 102 Introduction to Leadership**

Introduction to "life skills" of problem solving, decision making, and leadership designed to help students in the near term as leaders on campus. Also will help students be more effective leaders and managers in the long term, whether they serve in the military or as leaders in civilian life. This course is designed to introduce the student to fundamental officer skills such as map reading, land navigation, tactics, and leadership values/actions. Using these basic skills, students will build a rudimentary understanding of the core competencies necessary to become an Army officer and leader.

**Prerequisite(s):** First- or second-year class standing or permission of department chair.

**Unit(s):** .5

#### **MSCL 201 Innovative Team Leadership**

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 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.

**Prerequisite(s):** Military Science and Leadership 101 and 102 or permission of department chair.

**Unit(s):** .5

#### **MSCL 202 Foundations of Tactical Leadership**

Examines the challenges of leading tactical teams in the complex contemporary operating environment (COE). Highlights dimensions of terrain analysis, patrolling and operations orders. Continued study of the theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations. Provides a smooth transition to MSCL 301. 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.

**Prerequisite(s):** Military Science and Leadership 201 or permission of department chair.

**Unit(s):** .5

#### **MSCL 204 Leader's Training Course**

An intensive 28-day training experience for college students unable to meet the basic course requirements (MSCL 100- and 200-level courses) on campus. Leader's Training Course is the Army's two-year ROTC Program entry point. Through the Leader's Training Course, students without ROTC experience can qualify for Advanced Course (MSCL 300- and 400-level course) entry. The Army observes these students and determines their officer potential in a leadership-oriented, challenging, and motivating 28-

day training program. The camp philosophy is based on an action-oriented training plan. Emphasis is hands on, outdoor training with rapid, constructive feedback to the cadet. Above all else, Leader's Training Course is a leadership experience. The training program is designed to inspire students to become outstanding leaders with a sound understanding of traditional leadership values. At the Leader's Training Course, students are trained to lead and develop their officer leadership potential.

**Prerequisite(s):** Enrollment in the ROTC program, military service obligation and permission of department chair.

**Unit(s):** 1

### **MSCL 205 Foundations of American Military History**

Major military engagements from the colonial period through the current operating environment and analysis of conflicts using the Principles of War and After Action Review lessons learned. Describes the military's role in society; examines the evolution of war and the progression of military professionalism; analyzes the major wars fought by the US Army, using the principles of war; discusses the role of the US military in joint operations; discusses the role of the US Army in humanitarian operations and nation-building at home and abroad and analyzes lessons learned from military history to the Contemporary Operating Environment (COE). COE case studies give insight into the importance and practice of teamwork and tactics in real-world scenarios.

**Unit(s):** .5

### **MSCL 301 Adaptive Team Leadership**

Cadets study, practice, and evaluate adaptive team leadership skills as they prepare for the demands of the mandatory 32-day ROTC Leader Development and Assessment Course (LDAC) at Fort Lewis, Wash. Challenging scenarios related to small-unit tactical operations are used to develop self awareness and critical thinking skills. The cadet will receive systematic and specific feedback on leadership abilities.

**Prerequisite(s):** Military Science and Leadership 202, 204, or permission of department chair.

**Unit(s):** 1

### **MSCL 302 Leadership in Changing Environments**

Instruction and case studies that build upon leadership competencies and military skills attained

in Military Science and Leadership 301 prepare students for future responsibilities as Army officers. Specific instruction is given in individual leader development, planning and execution of small-unit operations, individual and team development, and the Army as a career choice. Prepares cadets for the mandatory 32-day Leader Development and Assessment Course at Fort Lewis, Wash.

**Prerequisite(s):** Military Science and Leadership 301 or permission of department chair.

**Unit(s):** 1

### **MSCL 390 Independent Study**

Instruction, case studies, and book analysis that build upon leadership competencies and military skills attained in earlier Military Science and Leadership courses. Online instruction and assignments mirror the syllabus for a student's normal pre-commissioning course progression. This course is available for sophomores, fall semester juniors, and senior cadets. This course is taught by the professor of military science.

**Prerequisite(s):** Two semesters of military science and permission of department chair.

**Unit(s):** 1

### **MSCL 401 Developing Adaptive Leaders**

Develops student proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates. Cadets are given situational and leadership opportunities to assess risk, make ethical decisions, and lead fellow ROTC cadets. Lessons on military justice and personnel processes prepare them to make the transition to becoming Army officers. Students will lead cadets at lower levels. Both classroom and battalion leadership experiences are designed to prepare them for their first military unit of assignment. Identify responsibilities of key staff members, coordinate staff roles amongst six separate universities and colleges that make up the ROTC battalion, and use battalion field/garrison situations to teach, train, and develop subordinates.

**Prerequisite(s):** Military Science and Leadership 302 or permission of department chair.

**Unit(s):** 1

### **MSCL 402 Leadership in a Complex World**

Continues to develop student proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates. Explores the dynamics of leading in the complex situations of current military operations in the contemporary operating environment (COE). Students examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. Also explores aspects of interacting with non government organizations, civilians on the battlefield, and host-nation support. Students are given situational and leadership opportunities to assess risk, make ethical decisions, and lead fellow ROTC cadets. Designed to prepare for first military unit of assignment. Students will identify responsibilities of key staff members, coordinate staff roles amongst six separate universities and colleges that make up the ROTC battalion, and use battalion field/garrison situations to teach, train, and develop subordinates. The course uses case studies, scenarios, and "What Now, Lieutenant?" exercises to prepare students to face the complex ethical and practical demands of leading as a commissioned officer in the United States Army.

**Prerequisite(s):** Military Science and Leadership 401 or permission of department chair.

**Unit(s):** 1

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## Modern Literatures and Cultures

### Department of Modern Literatures and Cultures

*Yvonne Howell, Chair*

*Professors Bonfiglio, Howell, Ravaux-Kirkpatrick*  
*Associate Professors Bower, Hamarneh, Kapanga,*  
*Troncale*

*Assistant Professors Delers, Pappas, Qian, Radi*  
*Director of the Arabic and German Language*  
*Programs Sulzer-Reichel*

*Director of the Intensive Language Program in*  
*French Baker*

*Director of the Intensive Language Program in*  
*Italian Marcin*

*Director of the Japanese Language Program Suzuki*  
*Director of the Global Studio Scinicariello*  
*Director of ESL Services Grove*

### Modern Literatures and Cultures Majors

### Chinese Studies

#### French

#### Cross-School Major in French and International Business

(To be carried out in conjunction with a major in the Robins School of Business with an international business concentration.)

#### German Studies

#### Cross-School Major in German and International Business

(To be carried out in conjunction with a major in the Robins School of Business with an international business concentration.)

#### Italian Studies

#### Cross-School Major in Italian and International Business

(To be carried out in conjunction with a major in the Robins School of Business with an international business concentration.)

#### Russian Studies

**(Note: The Latin American and Iberian Studies major is available through the Department of Latin American and Iberian Studies.)**

### Related Majors

Combined major in French and English literature

Combined major in German and English literature

Combined major in Russian and English literature

International Studies: Africa

International Studies: Asia

International Studies: Latin America

International Studies: Middle East

International Studies: Modern Europe

International Studies: World Politics and Diplomacy

### Modern Literatures and Cultures Minors

Arabic Studies

Chinese Studies

French

German Studies

Italian Studies

Japanese

Russian Studies

*For full course listings in Arabic, Chinese, French, German, Italian, Japanese, and Russian, see the individual program pages.*

### Study Abroad

Study and travel abroad are strongly encouraged for all students. The department offers summer study

programs in China, the Czech Republic, France, Germany, Italy, Japan, Jordan, and Russia. In addition, there are exchange agreements for study during the academic year in Austria, France, Germany, Italy, Japan, Quebec, and Russia; others are being negotiated. For a complete list, contact the Office of International Education.

### **The Residency Requirement**

For all MLC majors, at least 5 of the 9 courses required for the major must be taken on the University of Richmond campus. If the student participates in a study abroad program, at least one upper-level course in the major must be taken upon return from the program.

### **Modern Literatures and Cultures (MLC)**

All courses under modern literatures and cultures are taught in English and have no prerequisite, except as noted. Approved MLC courses may be counted as elective credit toward a Chinese studies, French, German studies, Italian studies or Russian studies major if taken in conjunction with a Cultures and Languages Across the Curriculum (CLAC) component (.25 units).

### **Administration**

#### ***Placement***

A student who desires to continue study of a language begun elsewhere or spoken as a first language will be placed for continuation by the Department of Modern Literatures and Cultures. The determination of level may be by the score received on the AP, IB or SATII test in a given language; by the evaluation of a required placement test; or, in special cases, by interview. Students who meet the language communication skills requirement by placement may not take for credit 100- or 200-level courses in the same language.

#### ***Sequential Credit***

Once the 100 or 200 level is begun, continuation, if any, must be to the next higher level within the sequence of courses. Students cannot receive credit toward the degree for 100- or 200-level coursework which is taken after credit has been earned in coursework more advanced in the sequence.

#### ***Medium of Instruction***

All courses taught in the department are taught in the respective language with the exception of the courses listed in the modern literatures and cultures category.

### **Self-Directed Language Acquisition Program (SDLAP)**

The Self-Directed Language Acquisition Program allows students to study languages not offered in the standard curriculum. Participants in the program develop competence in speaking, reading, and writing a less-commonly-taught language while honing their skills as autonomous learners and exploring the cultural context of language use. Modern Hebrew, Persian, Swahili, and Turkish are routinely offered; other languages are offered upon student request when necessary resources can be arranged.

All students begin the program in MLC 110. Students of all languages but Swahili also enroll in MLC 105 (.5 units), in which they develop skills needed by successful independent language learners. (MLC 105 is optional for Swahili learners.) SDLAP courses do not fulfill the COM 2 requirement. It is strongly advised that students complete COM 2 before entering the program.

### **Courses**

#### **MLC 105 Introduction to Self-Directed Language Learning**

Development of skills needed to become autonomous learners of language and culture, including how to create a learning plan, use multimedia resources, work with language tutors, and assemble a learning portfolio. Development of basic understanding of the structure of human languages and the relationship between language and culture.

**Prerequisite(s):** co-requisite: Modern Literatures and Cultures 110

**Unit(s):** .5

#### **MLC 110 Self-Directed Language Learning I**

Development of skills in reading, writing, and speaking a new language. Investigation of the history of the language and the culture of the areas in which the language is used. Assessment of progress through examination and the evaluation of a student-created portfolio.

**Prerequisite(s):** co-requisite: Modern Literatures and Cultures 105

**Unit(s):** .5

**MLC 111 Self-Directed Language Learning II**

Development of skills in reading, writing, and speaking a less-commonly-taught language. Investigation of the history of the language and the culture of the areas in which the language is used. Assessment of progress through examination and the evaluation of a student-created portfolio.

**Prerequisite(s):** Modern Literatures and Cultures 110

**Unit(s):** 1

**MLC 112 Self-Directed Language Learning III**

Development of skills in reading, writing, and speaking a less-commonly-taught language. Investigation of the history of the language and the culture of the areas in which the language is used. Assessment of progress through examination and the evaluation of a student-created portfolio.

**Prerequisite(s):** Modern Literatures and Cultures 111

**Unit(s):** 1

**MLC 113 Self-Directed Language Learning IV**

Development of skills in reading, writing, and speaking a less-commonly-taught language. Investigation of the history of the language and the culture of the areas in which the language is used. Assessment of progress through examination and the evaluation of a student-created portfolio.

**Prerequisite(s):** Modern Literatures and Cultures 112

**Unit(s):** 1

**MLC 114 Self-Directed Language Learning V**

High-intermediate development of skills in reading, writing, and speaking a less-commonly-taught language. Investigation of the history of the language and the culture of the areas in which the language is used. Assessment of progress through examination and the evaluation of a student-created portfolio.

**Prerequisite(s):** Modern Literatures and Cultures 113

**Unit(s):** 1

**MLC 115 Self-Directed Language Learning VI**

Advanced development of skills in reading, writing, and speaking a less-commonly-taught language.

Investigation of the history of the language and the culture of the areas in which the language is used. Assessment of progress through examination and the evaluation of a student-created portfolio.

**Prerequisite(s):** Modern Literatures and Cultures 114

**Unit(s):** 1

**MLC 135 English Communication in Cultural Context**

Focus on ESL students' English language ability by studying U.S. history and culture. Class discussions will emphasize intercultural communication, stereotypes, U.S. culture, and major historical events in U.S. history. Class activities will focus on vocabulary building, pronunciation, writing skills, listening, and reading comprehension. The course materials will include short stories, articles, newspaper articles, radio programs, and videos.

**Prerequisite(s):** Departmental approval. Open only to international exchange students who are speakers of English as a second language.

**Unit(s):** 1

**MLC 140 Academic Writing in English as a Second Language**

Study of the language of written academic English as practiced in the U.S. Focus on writing analytical papers, research skills, advanced English grammar, and academic style of writing. Study of advanced reading skills. Readings on U.S. culture. Open only to speakers of English as a second language, based on test scores at entrance.

**General Education Requirement:** (COM2)

**Unit(s):** 1

**MLC 198 Teaching English as a Second Language through Literature and Film**

Introduction to methods of teaching ESL. Emphasis on using literature and film as texts to enhance the ESL learning experience. Hands-on application of ESL theories. Includes experience with lesson planning, materials development, and instructional technology.

**Unit(s):** 1

**MLC 210 Women, Virtue, and Temptation in Literature**



Representation of feminine virtue and vice in world literature.

**Prerequisite(s):** Departmental approval. For students in Moore International.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**MLC 225 Chinese Culture and Civilization**

Interdisciplinary introduction to Chinese society and culture from earliest times to the present. Explores topics on ancient philosophy, religion, literature, art, architecture, customs, and other aspects of China's rich and diverse heritage, and introduces social transformation from a pre-modern empire to a modern nation state. Questions such as social changes, urban life, popular culture, and the values and ideas that captivate contemporary Chinese people's attention will also be addressed.

**Unit(s):** 1

**MLC 235 Special Topics in Japanese Film**

Discussion and analysis of Japanese films with emphasis on understanding the cultural and historical aspects of Japan through cinematic representations.

**Unit(s):** 1

**MLC 256 Psychoanalysis, Literature and Culture**

General introduction to use of psychoanalytic techniques to analyze literature and culture. Readings from Freud and post-Freudian theorists used to interpret variety of literary texts, as well as films, ads, and other examples from popular culture.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**MLC 260 Nature, Nurture, Neurons: Science and Society in 20th Century East European Literature**

Selected readings in 20th century Czech and Polish literature. Analysis of primary texts (in translation) focuses on the representation of both science and socialism as powerful ideological forces.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**MLC 321 Introduction to Nineteenth-Century Russian Literature**

Introduction to Russian literature and critical literary analysis. Pushkin, Gogol, Dostoevsky, Tolstoy, Chekhov, and others.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**MLC 322 Introduction to Twentieth-Century and Contemporary Russian Literature**

Introduction to Russian literature and critical literary analysis. Includes Modernism, Soviet Socialist Realism, and contemporary Russian fiction.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**MLC 323 Hero, Talent, and Beauty: Classical Chinese Narrative**

Introduction to various aspects of Chinese literary tradition and an examination of how historical, philosophical, and aesthetic traditions influence the generic evolution of literature. Canonical readings include the 17th-century text of Romance of the Three Kingdoms and Dream of the Red Chamber in the 18th century.

**Unit(s):** 1

**MLC 325 Representing the Chinese Empire (Modern Chinese Literature in Contemporary Perspective)**

Survey of historical representations of the pre-modern Chinese Empire in the modern period. Focuses on intensive reading of translations of the most celebrated short stories, stage plays, and historical novels about the past Chinese Empire from the late Qing to the contemporary period.

**Unit(s):** 1

**MLC 331 Russian Cinema**

General introduction to Russian cinema focusing on the significant portion of Russian cinema within the context of European and world cinemas. Emphasizes historical and theoretical contributions of Russian cinema and traces development of cinema in Russia from Protazanov and Eisentein to Tarkovsky, Todorovsky, Mikhalkov, and Sokurov. Different variants of the course that would appear in alternate years will have variety of topical foci such as Russian and European cinema, World War II, ideology and art in film, Soviet social realism, literature and cinema, Shakespeare in Russian cinema, the auteur in Russian cinema, Russian female directors, the female



image in Russian cinema, Stalin and Lenin in film, etc.

**Unit(s):** 1

**MLC 332 Conscience and Consciousness in 19th Century Russian Painting**

Survey and analytical study of significant periods of Russian painting, focusing on interconnections between philosophy, literature, spirituality, and ideology in Russian painting during various historical periods and developments in Russian culture and intellectual history.

**General Education Requirement:** (FSHT)

**Unit(s):** 1

**MLC 333 Geometries of Being: Transitions to Modernity in Russian Painting, 1895-1934**

An interdisciplinary study of early 20th century Russian painting as an organic part and expression of the cultural and intellectual development of fin de siecle Russia. The cultural significance of Russian paintings is traced through a critical analysis of primary historical, philosophical, literary, artistic, and other sources of the period.

**General Education Requirement:** FSHT

**Unit(s):** 1

**MLC 335 Bolsheviks, Bombs and Ballet: Soviet Culture and Civilization**

Survey of intellectual and scientific life, artistic movements, and popular culture under communism in the Soviet Union. Interdisciplinary focus on the arts, music, science, and literature with attention to complicated relations between official and private culture.

**General Education Requirement:** (FSHT)

**Unit(s):** 1

**MLC 340 European Romanticism**

Comparative study of the major international currents in European romanticism, drawing from the literary traditions of England, France, Germany, Italy, and Russia.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**MLC 341 Gender and Sexuality in 19th-Century France**

Examines representations of gender and sexual identity in 19th-century France as demonstrated in literature, film, and historical documents.

**Prerequisite(s):** Sophomore standing

**Unit(s):** 1

**MLC 346 Insiders and Outsiders: Arabic Encounters with the West**

Study of texts from throughout Arab history since the expansion of Islam until today, in which travelers and thinkers, academics and politicians, everyday people and people with religious or other ideological agendas describe their encounters with the world outside their own cultural environment. These texts will be analyzed less for the information they contain about the world they describe, but for what the views and thoughts their writers reveal about their own world and frame of mind. The texts will be read in translation and will cover material from the earliest Islamic travelers such as Ibn Fadlan to figures of current history such as Usama bin Laden.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**MLC 350 Introductory Linguistics**

General, historical and/or descriptive linguistics.

**Prerequisite(s):** Completion of Communication Skills II-Language requirement

**Unit(s):** 1

**MLC 351 Contemporary Literary Theory**

A broad survey of literary theory, with textual applications, and including structuralism, Marxism, post-structuralism, feminism, psychoanalysis, and new historicism.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**MLC 352 Language, Race, and Ethnicity**

Study of the origin, development, and use of language as an implement of racial and ethnic discrimination that configures nativism and national language together as an apparatus privileging a central, original population and marginalizing the other.

**Unit(s):** 1

**MLC 355 Chinese Cinema**

An introduction to Chinese cinema in relation to issues of modernity, nationalism, gender, cultural identities and beyond. Selected canonical films of China, Taiwan, and Hong Kong will be introduced.

**Unit(s):** 1

**MLC 357 The Idea of the Renaissance: Self, History and Knowledge**

A comparative and interdisciplinary investigation of the period in European history known as the Renaissance through the lens of some of its most well known and compelling works.

**Unit(s):** 1

**MLC 358 Desire and Identity in the Renaissance: The Lyric Tradition**

A comparative investigation of Italian, French, and English Renaissance lyric poetry. (Same as English 309.)

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**MLC 360 Representing the Holocaust**

Critical analyses of visual and textual representations of the Holocaust in an international context. The course raises questions about the limits and meaning of Holocaust representations as well as their ideological and moral implications.

**Unit(s):** 1

**MLC 364 Banlieue Cinema**

Cinema de banlieue has been identified as a new cinematic genre that addresses one of France's current major social preoccupations: the explosive and uncontrollable outskirts of France's larger cities which have seen a number of violent riots between youth and police in the past twenty years. Issues of separation and exclusion, ethnicity, and identity, as well as ethnic minority contributions to the representation of contemporary France as multicultural society will be examined. Attention will also be given to cinematographic techniques specific to this new genre. LAC option in French.

**Prerequisite(s):** Sophomore Standing

**Unit(s):** 1

**MLC 365 German Film in Context**

Survey of German cinema from the 1930s to the present emphasizing the historical and cultural context in which the films were produced.

**Prerequisite(s):** Sophomore standing.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**MLC 388 Individual Internship**

Internship experiences outside of the department in fields related to MLC programs. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Permission of department.

**Unit(s):** .5-1

**MLC 389 Practice Assistantship**

Students lead practice sessions associated with the elementary and intermediate language sequences outside of the regularly-taught program languages. The practice assistantship does not count as credit toward the major or minor. Up to one unit can be applied toward graduation credit.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25

**MLC 397 Selected Topics**

Special interest topics offered at department's discretion.

**Prerequisite(s):** Permission of department.

**Unit(s):** 1

**MLC 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**MLC 410 The Teaching of a Modern Second Language**

Theory and practice of teaching modern second language at the K-12 levels. Designed to enable teachers to meet state licensure requirements.

**Prerequisite(s):** For MLC: Completion of a modern literatures and cultures minor or the equivalent, or permission of department. For education minors seeking licensure in Spanish that requires MLC 410: the completion of a Latin American and Iberian Studies minor, the equivalent, or permission of the Latin American and Iberian studies department.

**Unit(s):** 1

**MLC 411 Teaching Japanese as a Second Language**

Analyze Japanese syntax and develop skills for teaching Japanese.

**Prerequisite(s):** Japanese 202.

**Unit(s):** 1

**MLC 497 Selected Topics**

Experimental and special interest topics offered at department's discretion.

**Unit(s):** 1

**MLC 495 Independent Study**

Special projects individually pursued under supervision of faculty member.

**Prerequisite(s):** Permission of department.

**Unit(s):** .5-1

## Music

### Department of Music

*Gene Anderson, Chair*  
*Professors Anderson, Davison*  
*Associate Professors Becker, Broening, Cable, Riehl*  
*Assistant Professors Longobardi, McGraw*  
*Ensemble-in-Residence eighth blackbird*  
*Director of Accompaniment Kong*  
*Director of the Modlin Center for the Arts Sommers*  
*Music Librarian Fairtile*

### *Piano Technician Breakall*

*Over 30 adjunct music faculty members teach applied music lessons. Adjuncts are professional musicians including principals of the Richmond Symphony.*

Information for prospective majors: All prospective music majors must audition on voice or their primary instrument before beginning private lessons and pass a full-faculty expanded jury after four semesters of applied study.

### The Music Major

**Note:** A grade of C- (1.7) or better is required in all coursework comprising the music major.

12 units, including  
 MUS 095 each semester of enrollment (0 units)  
 Music Theory, three units including  
   MUS 110 Tonal Harmony I: Common Practice Period  
   MUS 211 Tonal Harmony II: Chromaticism  
   MUS 212 Analytical Approaches to Contemporary Music  
 Critical Studies, three units including  
   MUS 227 Critical Studies in Music History I  
   MUS 228 Critical Studies in Music History II  
   MUS 229 Critical Studies in Ethnomusicology

One unit of contemporary or non-western music  
 Two units of electives at the 200-level or above, excluding MUS 338  
 Two units (four semesters) of applied music study  
 Two units (four semesters) of ensemble participation

**Note:** At least one semester of ensemble must be in a non-Western ensemble and no more than two semesters may be in the same ensemble.

### The Music Minor

**Note:** A grade of C- (1.7) or better is required in all coursework comprising of the minor.

6.5 units, including  
 MUS 095 each semester of enrollment (0 units)  
 Music Theory, two units including  
   MUS 110 Tonal Harmony I: Common Practice Period  
   One additional theory course  
 Critical Studies, two units including  
   MUS 227 Critical Studies in Music History I

**MUS 228 Critical Studies in Music History II**

Or another 200-level course or above in place of 227 or 228

One unit (2 semesters) of applied music study  
1 unit (two semesters) of ensemble participation  
One elective at the 200 level or above, excluding ensembles, applied courses, or MUS 388

**Honors Program**

The music honors program recognizes the most distinguished majors, who complete an advanced course of study, culminating in an honors thesis. Successful applicants will be assigned an advisor to guide their work and monitor their progress. Students should declare their intention to seek honors and meet with the honors coordinator in their sophomore year. Students must have completed 18 or more units of course work and at least four or more units in music (excluding prerequisites) with an overall grade point of at least 3.3 or above. Honors candidates must be recommended by at least one full-time member of the Department of Music. Application for departmental honors must include (1) a one-page letter from the student describing how the program requirements will be met, (2) a letter of recommendation from a full-time faculty member of the music department, (3) the student's transcript, and (4) a writing sample consisting of a paper written in a music course. Applications must be submitted to the department chair by November 1 (March 1 for the spring term applicant) of the junior year, approved by the music faculty and submitted to the arts and sciences honors committee by November 15 (March 15 for the spring term applicant). To earn departmental honors, students must complete 3.5 units of honors course work, including MUS 400, MUS 401/402, and two honors independent study courses or two standard elective courses with special work above and beyond the norm. Units earned from MUS 400, 401, and 402 are in addition to the 12 units required for the music major. Honors students are to maintain a grade point average of at least 3.3 while participating in the program.

**Related Concentrations**

Interdisciplinary concentration in arts management for studio art, art history, music, theatre, and dance majors or minors.

**Curriculum****Critical Studies Courses**

MUS 101 Introduction to Music Literature  
MUS 112 Topics in Music Literature  
MUS 116 Music Scene  
MUS 122 America's Music  
MUS 124 Asian Music and Globalization  
MUS 201 Documents of Music History  
MUS 203 Global Hip Hop  
MUS 204 Choral Music and Creed  
MUS 209 Music and Society  
MUS 227 Critical Studies in Music History I  
MUS 228 Critical Studies in Music History II  
MUS 229 Critical Studies in Ethnomusicology  
MUS 230 Music and Culture: Introduction to World Music  
MUS 233 Creating Original Opera  
MUS 301 Music Research Methods  
MUS 338 Special Topics in Music History  
MUS 339 Passion and Pleasure: Study of Secular Voice Music, 1600 to Present  
MUS 342 Musical Ethnography  
MUS 343 The Mass from Plainchant to Pärt  
MUS 344 Opera Studies  
**Music Theory Courses**  
MUS 107 Music Fundamentals  
MUS 109 Elementary Musicianship  
MUS 110 Tonal Harmony I: Common Practice Period  
MUS 211 Tonal Harmony II: Chromaticism  
MUS 212 Analytic Approaches to Contemporary Music  
MUS 213 Any Sound You Can Imagine: Recording, Transforming, and Organizing Sound  
MUS 214 Jazz Arranging  
MUS 215 Jazz Theory and Harmony  
MUS 216 Jazz Performance and Analysis  
MUS 306 Introduction to Composition  
MUS 307 Composition  
MUS 308 Tonal Counterpoint  
MUS 309 Orchestration  
MUS 311 Form and Analysis  
MUS 338 Special Topics  
**Performance Study Courses**  
MUS 130 Class Guitar  
MUS 131 Class Piano  
MUS 132 Class Voice  
MUS 205 English and Italian Diction for Singers and Accompanists  
MUS 206 German and French Diction for Singers and Accompanists  
MUS 207 Musical Theatre and Opera Scene Workshop  
MUS 231 Conducting Fundamentals  
MUS 232 Conducting Techniques  
MUS 350 Student Recital

**Courses****MUS 095 Repertoire Class**

Attendance and performance at weekly repertoire class. May be repeated. Graded Satisfactory/Unsatisfactory.

**Prerequisite(s):** Music major or minor.

**Unit(s):** 0

**MUS 101 Music in Sound and Score: Introduction to Music Repertoires**

Introduces students to a wide variety of musical works through scores and recordings--and thus through listening, score reading, and discussion. Students will encounter unique repertoires based largely on the areas of specialty of the music faculty. Learn to distinguish between different performances, to read a score in some detail, to utilize a distinct vocabulary for discussion, and to engage in sight singing and rhythmic exercises that will bring the scores to life. This course is a prerequisite for upper-level music study.

**Prerequisite(s):** Music 109 or permission of department

**Unit(s):** .5

**MUS 107 Music Fundamentals**

For students with little or no previous training in theory or piano. Practical understanding of intervals, scales, keys, chord structures, and rhythm, using keyboard and sight-singing as vehicles of instruction. Does not count toward music major.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**MUS 109 Elementary Musicianship**

Proficiency-based study of sight singing, ear training, rhythm reading, and other essential musicianship skills for majors, minors, and advanced non majors. A prerequisite for all theory study. May be satisfied by examination.

**Unit(s):** .5

**MUS 110 Tonal Harmony I: Common Practice Period**

Entry-level music theory course. Study and application of harmonic practice in Western music of 17th and 18th centuries by means of original

compositions and analysis of selected literature. Continuation of musicianship exercises from Music 109.

**Prerequisite(s):** Music 109 and permission of instructor.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**MUS 112 Topics in Music Literature**

Special topics for general study. May be repeated for credit when topics vary.

**Unit(s):** 1

**MUS 114 Popular Music of the 1970s and 1980s**

Discusses the historical developments in popular music of the 70s and 80s, and the musics' cultural and social impact and overarching discourses. Through a series of papers, students will investigate how the music of these eras influenced and was influenced by the politics and issues of the day. Students will argue for how these issues affected musical styles and presentations. Students will be able to identify at least some of the ways the musics of the 70s and 80s have impacted the music and bands that came after it.

**General Education Requirement:** FSVP

**Unit(s):** 1

**MUS 115 The Jazz Tradition**

For general student. Survey of cultural history of jazz; jazz styles from 1917 to present; and evolution of jazz from African music, music of slavery, ragtime, and blues. Includes concert attendance and performance project.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**MUS 116 Music Scenes**

Sections are designed each semester around on- and off-campus concerts. Students consider historical, social, and cultural issues particular to each concert and interact with visiting artists and University of Richmond's ensemble in residence, eighth blackbird.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**MUS 117 Salsa Meets Jazz**

For general student. Traces influx of Latin-American music into North American jazz. Connects music and dances of Cuba, Puerto Rico, Argentina, and Brazil to their subsequent synthesis in jazz.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**MUS 118 The Life and Music of Duke Ellington**

For general student. Musician and bandleader Edward Kennedy Ellington was one of the most prolific American composers of the 20th century. Examines his life and considers aspects of his unique contribution to jazz history.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**MUS 119 Broadway Musical Theatre**

(See Theatre Arts 119.)

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**MUS 120 The Music and Poetry of Jazz**

For general student. Exploration of form, rhythm, and sound of jazz and its impact upon poets who respond to jazz in all its musical and cultural overtones. Music includes range of jazz from early blues to free jazz and experimental music.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**MUS 122 America's Music**

Topically-based survey of America's music from that of Native Americans and European colonists to the diversity of the contemporary music scene.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**MUS 123 Meaning and Music**

For general student. Explores aspects of meaning as it pertains to the musical arts. Considers such issues of emotion and music, expectations of the listener, music and representation, and composer/performer intentions.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**MUS 124 Asian Music and Globalization**

Uses the social and cultural history of select Asian regions, as well as diasporic Asian communities in America, as a lens through which contemporary processes of globalization (and regionalization, localization, and globalization) can be investigated.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**MUS 125 Indonesian Theater and Music**

This course will be a highly interdisciplinary introduction into the rich and complexly interconnected traditions of theater and music from the island nation of Indonesia. Students will study the history and form of various traditions and partake in numerous hands-on workshops involving traditional shadow theater, comedy, dance, and gamelan orchestral music.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**MUS 126 Side by Side with Sondheim**

For general student. Focuses on Broadway musicals of Stephen Sondheim. Provides basic background in music theory and listening skills and culminates with performances of scenes from Sondheim's works by class members.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**MUS 130 Class Guitar**

Introduction to guitar through folk music.

**Unit(s):** .5

**MUS 131 Class Piano**

For beginning piano student. Introduction to elements of music via the keyboard.

**Unit(s):** .5

**MUS 132 Class Voice**

For the beginning voice student. Introduction to the basic elements of vocal technique through the study of body and breath control, vocal exercises, beginning repertoire, and performance experience.



**Unit(s):** .5

**MUS 201 Documents of Music History**

Introduction to primary sources (manuscript and printed scores, composers' writings, and concert reviews) used in music study and research. By focusing on the recurring themes of creation, dissemination, and consumption of musical works, students will learn to apply these resources to fundamental questions about music in a variety of historical periods.

**Prerequisite(s):** Music 101.

**Unit(s):** 1

**MUS 203 Global Hip Hop**

Uses the music of hip hop as a foundation upon which we will ask the theoretical and historical questions regarding the political, social, and sonic dimensions of global popular culture.

**Unit(s):** 1

**MUS 204 Choral Music and Creed**

Major religious and cultural trends in the history of the West approached through selected choral masterworks by considering the sources and cultural functions of the texts, the philosophical outlook of the composer, and the ways the available musical resources of the period were used. (Same as Religion 204.)

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**MUS 205 English and Italian Diction for Singers and Accompanists**

Study of the International Phonetic Alphabet (IPA) with application to the English and Italian languages. Preparation and performance of works in each language using IPA.

**Prerequisite(s):** Current enrollment in applied study in voice or piano.

**Unit(s):** .5

**MUS 206 German and French Diction for Singers and Accompanists**

Study of the International Phonetic Alphabet (IPA) with application to the German and French languages. Preparation and performance of works in each language using IPA.

**Prerequisite(s):** Current enrollment in applied study in voice or piano.

**Unit(s):** .5

**MUS 207 Musical Theatre and Opera Scene Workshop**

Study of stage techniques for the singer applied to various scenes from operatic and musical theater repertoire resulting in staged performance by class members. May be repeated for credit.

**Prerequisite(s):** Current enrollment in applied voice instruction or permission of instructor.

**Unit(s):** .5

**MUS 209 Music and Society**

Explores effects of social, economic, and political structures on composition, performance, and listening of music. Topics include autonomous music and aesthetic ideology, the role of the composer in several historical periods, and new modes of listening developed in response to electronic dissemination of music.

**Prerequisite(s):** Any 100-level music course, experience in music ensemble or permission of instructor.

**General Education Requirement:** FSVP

**Unit(s):** 1

**MUS 211 Tonal Harmony II: Chromaticism**

Continuation of MUS 110. Study and application of harmonic practice in Western music of the 18th and 19th centuries by means of original compositions and analysis of selected literature. Continuation of musicianship exercises from Music 109.

**Prerequisite(s):** Music 110 or permission of instructor.

**Unit(s):** 1

**MUS 212 Analytic Approaches to Contemporary Music**

Study and application of harmonic practice in Western music of the 20th and 21st centuries by means of original compositions and analysis of selected literature. Continuation of musicianship exercises from Music 211.

**Prerequisite(s):** Music 211 or permission of

instructor.

**Unit(s): 1**

**MUS 213 Any Sound You Can Imagine: Recording, Transforming and Organizing Sound**  
Introduces students to the techniques, tools, aesthetic ideas, and traditions of organizing sound in meaningful ways using computers. Students will learn recording techniques, principles of digital audio, and techniques of audio transformation and organization in the service of producing several original brief compositions. In addition, students will study relevant readings and pieces drawn from the electronica, electroacoustic, and experimental repertoires.

**General Education Requirement:** FSVP

**Unit(s): 1**

**MUS 214 Jazz Arranging**  
Comprehensive study of evolution of jazz arranging and composition from 1920s to present. Score analysis of representative works by Sammy Nestico, Thad Jones, Bob Brookmeyer, and others. Extensive listening. Students will arrange for small and large jazz ensembles.

**Prerequisite(s):** Music 110.

**Unit(s): 1**

**MUS 215 Jazz Theory and Harmony**  
Development of theoretical and harmonic skills which bridge tonal and chromatic approaches. Students will work to develop ability to assess and modify harmonic schemes with the goal of systematic growth and increased individuality in their jazz compositions. Extensive listening.

**Prerequisite(s):** Music 110.

**Unit(s): 1**

**MUS 216 Jazz Performance and Analysis**  
Performance and analysis of original jazz works and transcriptions. Discussion, demonstration, and performance of advanced jazz improvisational techniques. Transcribe and study transcriptions of jazz masters and engage in critical analysis of great printed and recorded improvised jazz solos.

**Prerequisite(s):** Music 110 and permission of instructor.

**Unit(s): 1**

**MUS 221 Music in Film**  
For general student. Study of interaction of music and visual image in Hollywood film; emphasis on nature of musical meaning, music and association, and music as a cultural code.

**General Education Requirement:** (FSVP)

**Unit(s): 1**

**MUS 227 Critical Studies in Music History I**  
First in a series of three courses devoted to exploration of significant topics, issues, methodologies, and theories applicable to historical and ethnographic music studies. Taught principally through examination of the core repertoire of Western art music.

**Prerequisite(s):** Music 109 or permission of instructor.

**Unit(s): 1**

**MUS 228 Critical Studies in Music History II**  
Second in series of three courses devoted to exploration of significant topics, issues, methodologies, and theories applicable to historical and ethnographic music studies. Taught principally through the examination of the core repertoire of Western art music.

**Prerequisite(s):** Music 227 or permission of instructor.

**Unit(s): 1**

**MUS 229 Critical Studies of Ethnomusicology**  
Third in series of courses devoted to the exploration of significant topics and issues, methodologies, and theories applicable to historical and ethnographic music studies. Taught through examination of a broad cross selection of musical styles, genres, and traditions.

**Prerequisite(s):** Music 228 or permission of instructor.

**Unit(s): 1**

**MUS 230 Music in Culture: Introduction to World Music**  
Introduction to ethnomusicology and the study of music as a human activity. Explores ways different

people create music, communicate about music, consume and transmit music, and use music to create meaning. Topics may include traditional (folk), popular, and cultivated musics around the world, including North America. Includes participation in and observation of music events.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**MUS 231 Conducting Fundamentals**

Essentials of instrumental and choral conducting. Rehearsal techniques and practical experience in directing musical groups.

**Prerequisite(s):** Music 109 or permission of instructor.

**Unit(s):** 1

**MUS 232 Conducting Techniques**

Study and practical application of advanced conducting techniques such as score study and analysis, choral and instrumental rehearsal procedures and recitative and performance practice issues.

**Prerequisite(s):** Music 231 or permission of instructor.

**Unit(s):** 1

**MUS 233 Creating Original Opera**

A forum in which students of varied interests and majors come together to produce an original opera in partnership with the Metropolitan Opera. Students will apply for one of 12 jobs that parallel the division of labor in a real opera company -- production manager, stage manager, historian, carpenter, electrician, set designer, costume designer, make-up artist, librettist, composer, performer, or public relations -- and will work together to create a signed integrated production.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**MUS 305 Introduction to Music Education**

Basic principles, purposes, and philosophies of music education. Overview of each level (elementary, middle school, senior high) including directed observations. Participation in weekly seminars, reviewing current music education methods and materials.

**Prerequisite(s):** Music 109 or permission of instructor.

**Unit(s):** 1

**MUS 306 Introduction to Composition**

Introduction of materials and techniques of acoustic composition through readings, listening assignments, composition exercises, and performances.

**Prerequisite(s):** Music 110 or permission of instructor.

**Unit(s):** .5

**MUS 307 Composition**

Directed projects in various styles for traditional and/or electronic media. May be repeated for credit.

**Prerequisite(s):** Music 306 or permission of instructor.

**Unit(s):** .5

**MUS 308 Tonal Counterpoint**

Study and application of tonal counterpoint. Written musical exercises include original compositions and written commentary on excerpts from tonal literature.

**Prerequisite(s):** Music 110 or permission of instructor.

**Unit(s):** 1

**MUS 309 Orchestration**

Study of orchestration, instrumentation, and arranging for classical and contemporary groups.

**Prerequisite(s):** Music 211 or permission of instructor.

**Unit(s):** 1

**MUS 310 Managing Performing Arts Organizations**

Review of topics essential for successful management of performing arts organizations. Includes organizational structure, budget development and management, strategic planning, marketing, audience development, box-office management, and related topics. (Same as Theatre 310.)

**Prerequisite(s):** Major or minor in music, theatre or dance or permission of instructor.

**Unit(s):** 1

**MUS 311 Form and Analysis**

Study of principles of organization in music with emphasis on European music since the Renaissance. Reading and analysis of scores exemplifying various musical forms.

**Prerequisite(s):** Music 211 or permission of instructor.

**Unit(s):** 1

**MUS 313 Advanced Computer Music**

Continuation of Music 213. Exploration of audio computer systems, including digital recording and mixing devices. Creation and transcription of music for computer-controlled performance.

**Prerequisite(s):** Music 213 or permission of instructor.

**Unit(s):** 1

**MUS 338 Special Topics in Music History, Theory or Music Education**

Selected topics such as musical genre, works of specific composers, or techniques of teaching and learning music. May be repeated for credit when topics vary.

**Prerequisite(s):** Music 109 and 227 or 228 or permission of instructor.

**Unit(s):** 1

**MUS 339 Passion and Pleasure: Study of Secular Vocal Music, 1600 to present**

Study of use of text in popular secular vocal music, beginning in 1600 and ending with the popular music of our time. Areas of concentration include solo song, solo cantata, opera, blues, funk, and rock.

**Prerequisite(s):** Music 227 or 228 or permission of instructor.

**Unit(s):** 1

**MUS 342 Musical Ethnography: Politics and Practices**

Intended for music and anthropology students who have an interest in developing a critical understanding of the ethnographic process as it relates to the study of musical performance.

**Prerequisite(s):** Music 109 or Anthropology 101 or permission of instructor.

**Unit(s):** 1

**MUS 343 The Mass from Plainchant to Pärt**

Study of representative musical settings of the Mass from Middle Ages to present day; emphasis on tensions between artistic expression and liturgical function.

**Prerequisite(s):** Music 227 or 228 or permission of instructor.

**Unit(s):** 1

**MUS 344 Opera Studies**

Explores significant topics and issues in the study of opera through variety of approaches and methodologies; opera's connections to other disciplines, histories, and contexts will be emphasized.

**Prerequisite(s):** Music 109 or permission of instructor.

**Unit(s):** 1

**MUS 345 Philanthropy in the Arts**

Survey of strategies, tools and techniques involved in generating contributed income for arts organizations from private individuals, foundations, corporations, business, and government agencies. Central issues include underlying psychological and practical bases of fundraising in the arts and exposure to research and methods involved in developing donor prospects. Fundraising techniques, including direct mail, telemarketing, grant writing, personal appeals, major gift solicitation, special events, capital campaigns, endowment campaigns, sponsorships, and planned giving. (Same as Art 345 and Theatre 345.)

**Prerequisite(s):** Music 310, Art 322, or permission of instructor.

**Unit(s):** 1

**MUS 350 Student Recital**

Preparation and performance of a solo recital by students in applied study or composition.

**Prerequisite(s):** Current enrollment in applied study or composition or permission of instructor.

**Unit(s):** .5

**MUS 388 Individual Internship**

No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Departmental approval

**Unit(s):** .5-1

**MUS 395 Independent Study**

**Prerequisite(s):** Department approval.

**Unit(s):** .5

**MUS 400 Honors Seminar**

Seminar on topics in critical studies, music performance, music theory, or composition for honors students selected by the instructor and those enrolled.

**Prerequisite(s):** Acceptance in department honors program.

**Unit(s):** .5

**MUS 401-402 Honors Thesis/Project**

Guided research and preparation for honors thesis or project in critical studies, music performance, music theory, or composition.

**Prerequisite(s):** Acceptance in department honors

program.

**Unit(s):** .5-.5

**MUS 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**MUS 413 Special Topics in Computer Music**

Special topics in computer music such as interactive computer music and computer music programming with emphasis on using technology to realize compositional objectives. May be repeated for credit when topics vary.

**Prerequisite(s):** Music 213 or permission of instructor.

**Unit(s):** 1

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## Applied Music Courses

### Department of Music

**Note:** Individual instruction courses, MSAP 060-082 (Non-Credit), require an additional fee per course. Fee for 2010-2012 is \$450.

Individual instruction courses MSAP 162-182 (Credit) do not require a fee, but students must submit an online Lesson Request Form (see [music.richmond.edu](http://music.richmond.edu)) prior to each semester of private study for review and notification by the Music Chair.

#### Courses

**MSAP 060 Voice**

**Unit(s):** 0

**MSAP 061 Piano**

**Unit(s):** 0

**MSAP 062 Organ**

**Unit(s):** 0

**MSAP 063 Guitar**

**Unit(s):** 0

**MSAP 064 Flute**

**Unit(s):** 0

**MSAP 065 Oboe**

**Unit(s):** 0

**MSAP 066 Clarinet**

**Unit(s): 0**  
**MSAP 067 Saxophone**  
**Unit(s): 0**  
**MSAP 068 Bassoon**  
**Unit(s): 0**  
**MSAP 069 French Horn**  
**Unit(s): 0**  
**MSAP 070 Trumpet**  
**Unit(s): 0**  
**MSAP 071 Trombone/Baritone**  
**Unit(s): 0**  
**MSAP 072 Tuba**  
**Unit(s): 0**  
**MSAP 073 Percussion**  
**Unit(s): 0**  
**MSAP 074 Violin**  
**Unit(s): 0**  
**MSAP 075 Viola**  
**Unit(s): 0**  
**MSAP 076 Cello**  
**Unit(s): 0**  
**MSAP 077 String Bass/Electric Bass**  
**Unit(s): 0**  
**MSAP 078 Harp**  
**Unit(s): 0**  
**MSAP 079 Banjo**  
**Unit(s): 0**  
**MSAP 080 Mandolin**  
**Unit(s): 0**  
**MSAP 081 Harpsichord**  
**Unit(s): 0**  
**MSAP 082 Miscellaneous Instruments**  
**Unit(s): 0**  
**MSAP 160 Voice**  
**Unit(s): .5**  
**MSAP 161 Piano**  
**Unit(s): .5**  
**MSAP 162 Organ**  
**Unit(s): .5**  
**MSAP 163 Guitar**  
**Unit(s): .5**

**MSAP 164 Flute**  
**Unit(s): .5**  
**MSAP 165 Oboe**  
**Unit(s): .5**  
**MSAP 166 Clarinet**  
**Unit(s): .5**  
**MSAP 167 Saxophone**  
**Unit(s): .5**  
**MSAP 168 Bassoon**  
**Unit(s): .5**  
**MSAP 169 French Horn**  
**Unit(s): .5**  
**MSAP 170 Trumpet**  
**Unit(s): .5**  
**MSAP 171 Trombone/Baritone**  
**Unit(s): .5**  
**MSAP 172 Tuba**  
**Unit(s): .5**  
**MSAP 173 Percussion**  
**Unit(s): .5**  
**MSAP 174 Violin**  
**Unit(s): .5**  
**MSAP 175 Viola**  
**Unit(s): .5**  
**MSAP 176 Cello**  
**Unit(s): .5**  
**MSAP 177 String Bass/Electric Bass**  
**Unit(s): .5**  
**MSAP 178 Harp**  
**Unit(s): .5**  
**MSAP 179 Banjo**  
**Unit(s): .5**  
**MSAP 180 Mandolin**  
**Unit(s): .5**  
**MSAP 181 Harpsichord**  
**Unit(s): .5**  
**MSAP 182 Miscellaneous Instruments**  
**Unit(s): .5**

## Musical Ensemble Courses

### Department of Music

Prerequisite for all ensembles: audition with ensemble's director. Auditions are open to all students.

### Courses

### *Choral Ensembles (MSEN)*

#### **MSEN 190 Women's Chorale**

Women's chorus; study and perform choral literature appropriate to the group from a variety of style periods and origins. Two rehearsals weekly. Regular performances on and off campus. May be repeated.

General Education Requirement: FSVP - must complete 1 unit in same ensemble before FSVP credit is awarded.



Unit(s): .5

**MSEN 194 University Choir**

Mixed chorus. Study and perform a cappella and accompanied choral literature appropriate to the group from variety of style periods and origins. Two rehearsals weekly. Regular performances on and off campus; biannual tour. May be repeated.

General Education Requirement: FSVP - must complete 1 unit in same ensemble before FSVP credit is awarded.

Unit(s): .5

**MSEN 196 Schola Cantorum**

Small mixed chorus; study and perform choral literature appropriate to the group from variety of style periods and origins; emphasis on a cappella repertoire. Three rehearsals weekly. Regular performances on and off campus; biannual tour. May be repeated.

General Education Requirement: FSVP - must complete 1 unit in same ensemble before FSVP credit is awarded.

Unit(s): .5

Instrumental Ensembles (MSEN)

**MSEN 191 University Orchestra**

Study and performance of works for symphony orchestra. One rehearsal and one sectional weekly. Regular performances on and off campus. May be repeated.

General Education Requirement: FSVP - must complete 1 unit in same ensemble before FSVP credit is awarded.

Unit(s): .5

**MSEN 192 Jazz Ensemble**

Study and performance of Big Band repertoire from swing era to present. One rehearsal and two sectionals weekly with two or more concerts each year. May be repeated.

General Education Requirement: FSVP - must complete 1 unit in same ensemble before FSVP credit is awarded.

Unit(s): .5

**MSEN 193 University Band**

Study and performance of wind band literature. Wind Ensemble of 50-60 members. One on-campus concert per semester. One rehearsal and one sectional weekly. May be repeated.

General Education Requirement: FSVP - must complete 1 unit in same ensemble before FSVP credit is awarded.

Unit(s): .5

**MSEN 195 Jazz Combo**

Small jazz ensemble. Regular performances on and off campus. May be repeated.

Unit(s): .25

**MSEN 197 Woodwind Ensemble**

Study and performance of woodwind trio, quartet, quintet, or woodwind choir literature. One rehearsal weekly. May be repeated.

Unit(s): .25

**MSEN 198 Brass Ensemble**

Study and performance of brass trio, quartet, quintet, or brass choir literature. One rehearsal weekly. May be repeated.

Unit(s): .25

**MSEN 199 Percussion Ensemble**

Study and performance of percussion literature. One rehearsal weekly. May be repeated.

Unit(s): .25

**MSEN 200 String Ensemble**

Study and performance of string ensemble literature. One rehearsal weekly. May be repeated.

Unit(s): .25

**MSEN 201 Chamber Music**

Study and performance of chamber music. Coaching by various members of the Department of Music. One rehearsal and one coaching weekly. May be repeated.

General Education Requirement: FSVP - must complete 1 unit in same ensemble before FSVP credit is awarded.

Unit(s): .5

**MSEN 202 Guitar Ensemble**

Study and performance of guitar ensemble literature.  
One rehearsal weekly. May be repeated.

Unit(s): .25

### **MSEN 203 Global Music Ensemble**

Hands-on exploration of traditional musical repertoires from around the world. Students will perform on hand-made instruments from Asia and Africa and join with expert native musicians and dancers in an end-of-semester concert. Focuses primarily on Balinese gamelan (percussion orchestra) music and Ghanaian Ewe drumming ensemble music. Occasional workshops on Javanese and Brazilian musics. No previous musical experience is necessary. Traditions learned aurally/orally; no prior experience with notation is necessary. One rehearsal weekly.

General Education Requirement: FSVP - must complete 1 unit in same ensemble before FSVP credit is awarded.

Unit(s): .5

## **Philosophy**

### **Department of Philosophy**

*Nancy Schaubert, Chair*  
*Professors McWhorter, Shapiro*  
*Associate Professors Goddu, McCormick, Schaubert*  
*Assistant Professor Belkind*

**Note:** All 200-level courses are open to first-year students. All 300-level courses presume some previous exposure to philosophy or a related area of study.

### **The Philosophy Major**

**Note:** The grade point average of the coursework in philosophy comprising the major must be 2.00 or above with no more than one grade below C- (1.7).

9 units, including  
PHIL 251 Symbolic Logic  
PHIL 271 Ancient Greek Philosophy  
PHIL 272 Modern Western Philosophy  
PHIL 343 or 344 Twentieth-Century Analytic or Continental Philosophy  
PHIL 353 Philosophical Methods: Majors'/ Minors' Seminar

One 300-level course in value theory and its applications, such as PHIL 360 Ethics or Philosophy, 364 Philosophy of Law, or another specific course such as may be approved by the department from year to year;

Three units of electives in Philosophy  
1 unit at the 300-level or above  
1 unit numbered 221 or above  
1 unit at any level, which may include FYS 100 taught by faculty from the Philosophy department

### **The Philosophy Minor**

**Note:** A grade of not less than C- (1.7) is required in each course comprising the minor.

5 units, including  
PHIL 271 Ancient Greek Philosophy  
PHIL 272 Modern Western Philosophy  
Three units of electives in Philosophy  
2 units at the 300-level or above  
1 unit at any level, which may include FYS 100 taught by faculty from the Philosophy department

### **Courses**

#### **PHIL 101 Introduction to Philosophical Problems and Arguments**

Introduction to philosophy as a working discipline, with emphasis on analysis of problems and proposed solutions. Sample topics: Is there a thing that can be called the self? What is the meaning of life? What is the relationship between knowledge and opinion? Can individuals be held responsible for their actions?

**General Education Requirement:** FSLT

Unit(s): 1

#### **PHIL 220 Contemporary Moral Issues**

Philosophical introduction to the application of moral reasoning. Aims to clarify, organize, and sharpen our ideas about moral concerns of everyday life, and to examine and critique prominent moral theories. Topics may include abortion, euthanasia, capital punishment, animal rights.

Unit(s): 1

#### **PHIL 221 Feminist Political Theories**

Provides students with background in major political theories that feminists have employed and developed over the past 200 years. These include classical

liberalism, Marxism and various forms of socialism, and some existentialist, post-structuralist, and post-colonial theoretical work. Students will study these feminist theoretical frameworks in depth and also will consider serious criticisms of them. (Same as Women, Gender and Sexuality Studies 221.)

**Unit(s):** 1

**PHIL 239 Existentialism and Postmodernism**

Survey of themes in 20th-century existentialist and postmodern philosophy. Issues to be addressed include freedom, selfhood, embodiment and historical situation, and knowledge in the absence of transcendence. Students will read works by such thinkers as Heidegger, Sartre, Beauvoir, Fanon, Levinas, Foucault, and others.

**Unit(s):** 1

**PHIL 250 Topics Seminar: Historical**

Selected topics in philosophy arranged historically. Recent topics: Kant, critical theory, Freud, Bertrand Russell's Radical Essays. May be repeated for credit when topic differs.

**Unit(s):** 1

**PHIL 251 Elementary Symbolic Logic**

Introduction to modern logic beginning with truth-functions and covering formal proofs (propositional and predicate) to the level of multiply-general and relational statements. No mathematical applications. Recommended for pre-law and pre-computer studies.

**General Education Requirement:** (FSSR)

**Unit(s):** 1

**PHIL 260 Philosophical Problems in Law and Society**

Examination of purpose and justification for legal limits on individual liberty, with special attention to problems of liability and punishment.

**Unit(s):** 1

**PHIL 269 Environmental Ethics**

Examines various ethical approaches to environmental problems. Topics may vary from year to year but typically will include such issues as treatment of nonhuman animals, resource depletion, environmental justice, genetic engineering, and climate change.

**Unit(s):** 1

**PHIL 271 Ancient Greek Philosophy**

Introduction to ancient Western philosophy, with emphasis on Plato and Aristotle. Discussion of both the development of philosophical thought and topics such as: What is knowledge? Why should I be moral? What is the good life? Readings drawn from primary texts.

**General Education Requirement:** (FSHT)

**Unit(s):** 1

**PHIL 272 Modern Western Philosophy**

Study of development of modern philosophy from Descartes to Kant. Readings from Descartes, Hume, and Kant; some attention may be given to other modern philosophers such as Leibniz, Spinoza, Locke, and Berkeley. Readings drawn from primary texts.

**General Education Requirement:** (FSHT)

**Unit(s):** 1

**PHIL 275 Marx, Nietzsche and Freud**

Study of three major thinkers of the European tradition, in the context of the cultural history of the 19th and 20th centuries. Their theories of history, psychology, and culture will be analyzed, and their conceptions of ethical and political possibilities will be critically compared. Readings from their major texts will be included.

**General Education Requirement:** (FSHT)

**Unit(s):** 1

**PHIL 280 Topics Seminar: Issues**

Selected topics in philosophy arranged by issues. Recent topics: the emotions; science, pseudoscience, and the paranormal; intermediate logic; ethics, human and nonhuman. May be repeated for credit when topic differs.

**Unit(s):** 1

**PHIL 281 Philosophy of Art**

Poses and considers the question "What is art?" Explores issues concerned with the creation of, interpretation of and social response to art. Examples are drawn from a variety of arts (e.g., literature, architecture, painting); readings from major philosophers of art, traditional and recent.

**Unit(s):** 1

**PHIL 299 Philosophy of Science**

General introduction to philosophy of science. Topics may include distinguishing science from nonscience; the structure of scientific theories and explanations; the nature of scientific activity; and the relationship(s) of science with values, culture and society.

**Unit(s):** 1

**PHIL 336 Nineteenth-Century European Philosophy**

Examination of movements and individuals; emphasis on Kierkegaard's and Marx's response to Hegel. Previous work in philosophy or good background in history and/or literature is presumed.

**Unit(s):** 1

**PHIL 337 Social and Political Philosophy**

Examination of major theories in social and political philosophy, historical and current.

**Unit(s):** 1

**PHIL 339 Topics in Existentialism**

Systematic study of conditions of human experience to develop and justify descriptive categories for understanding of persons and their world. Readings from Kierkegaard, Nietzsche, Heidegger, and Sartre.

**Unit(s):** 1

**PHIL 343 Twentieth-Century Analytic Philosophy**

Critical examination of 20th-century topics and thinkers in the analytic tradition.

**Unit(s):** 1

**PHIL 344 Twentieth-Century Continental Philosophy**

Critical examination of 20th-century topics and thinkers in the French and German traditions.

**Prerequisite(s):** Philosophy 272.

**Unit(s):** 1

**PHIL 350 Topics Seminar: Historical**

Selected topics in philosophy arranged historically. Recent topics: Kant, critical theory, Freud, Bertrand Russell's Radical Essays. May be repeated for credit when topic differs.

**Unit(s):** 1

**PHIL 353 Philosophical Methods: Majors'/Minors' Seminar**

Reading, writing, critiquing, presenting, and defending philosophical essays. Techniques of analysis and interpretation. Required for majors; open to minors. Usually taken during junior year.

**Prerequisite(s):** Permission of department.

**Unit(s):** 1

**PHIL 357 Nietzsche**

Devoted to analysis and understanding of some of the main philosophical themes and writing of Friedrich Nietzsche (1844-1900), such as critique of Western morality and religion; affirmation of creativity and life of this world; eternal recurrence of all things; and diagnosis of modern nihilism and suggestions as to how it might be overcome. Close reading of a number of texts by Nietzsche. Lecture/discussion format.

**Unit(s):** 1

**PHIL 358 Topics in Feminist Philosophy**

Examination of recent and contemporary feminist theory. (Same as Women, Gender and Sexuality Studies 379 and Political Science 379.)

**Unit(s):** 1

**PHIL 359 Thinking and Seeing: Philosophy and the Visual Arts**

Devoted to exploring some questions having to do with the meaning and significance of the visual arts. Among topics of the course are relation between words and visual images; use of art as a way of learning about ourselves and the world; phenomenology of visual experience; and criteria for interpreting the meaning of art works. Theorists include G.E. Lessing and representative thinkers from such recent tendencies as phenomenology, existentialism, deconstruction, and psychoanalysis.

**Unit(s):** 1

**PHIL 360 Ethics**

Critical examination of main types of ethical theory. Discussion of current topics and controversies, as well as fundamental questions about the object of morality and the objectivity and justification of moral evaluations.

**Unit(s):** 1

**PHIL 362 Philosophy of Religion**

Is there such a thing as religious knowledge? Can a rational individual believe in God(s)? Alternative conceptions of use and meaning of theological language (description, ritual, belief formation, moral persuasion); Transcendence; Mysticism, and logic.

**Prerequisite(s):** One previous philosophy course or permission of department.

**Unit(s):** 1

**PHIL 363 Power and Politics**

Examination and appraisal of classical liberal political philosophies--particularly their treatment of consent, rebellion, and political change--in light of 20th-century civil rights movements. Theorists studied include John Locke and various American revolutionaries such as James Madison. Movements studied are the Montgomery Bus Boycott of 1955-56, the Birmingham desegregation movement of 1963, and the gay and lesbian movement of the 1990s. Studies will evaluate liberalism as both a descriptive and prescriptive theory. Lecture/discussion format. (Same as Political Science 379.)

**Unit(s):** 1

**PHIL 364 Philosophy of Law**

Alternative ways of conceiving of law. Such legal concepts as right and strict liability. Such problems as nature of judicial decision-making process, tension between crime control and due process, rationale of legal punishment, insanity defense.

**Prerequisite(s):** One previous philosophy course.

**Unit(s):** 1

**PHIL 365 Action, Responsibility and Free Will**

Examination of a core philosophical puzzle--can responsible action be both free and determined?--in writings of classical and contemporary philosophers. Seminar format, with multiple written and oral critiques, term paper, midterm, and final exams.

**Unit(s):** 1

**PHIL 370 Philosophy of Mind**

Critical examination of fundamental questions in the philosophy of mind such as: How can we tell if something has a mind or is capable of thinking? What is the mind? What is thought? Consciousness? Do machines or non human animals have minds? What is the relationship between the mental and the physical? Between thought and action?

**Prerequisite(s):** One previous philosophy class.

**Unit(s):** 1

**PHIL 373 Epistemology**

Explores central issues in epistemology. These include the nature of knowledge, justification, and rationality. Historical and contemporary readings will expose students to a wide variety of different approaches and answers to questions concerning the nature and scope of knowledge.

**Prerequisite(s):** Philosophy 271 or 272.

**Unit(s):** 1

**PHIL 375 Ethics and Practical Reasoning**

A survey of basic issues about the nature of practical reason. Also considers associated issues about intentional action; persons; the good, moral demands; and the normativity of ethics.

**Prerequisite(s):** One previous philosophy class.

**Unit(s):** 1

**PHIL 380 Topics Seminar: Issues**

Selected topics in philosophy arranged by issues. Recent topics: the emotions; science, pseudoscience and the paranormal; intermediate logic; ethics, human and nonhuman. May be repeated for credit when topic differs.

**Unit(s):** 1

**PHIL 386 Honors Seminar**

Seminar for honors students on topic selected mutually by instructor and those enrolled. Permission of department.

**Unit(s):** 1

**PHIL 390 Independent Study**

Faculty member directs student's reading and study.

**Prerequisite(s):** Permission of department.

**Unit(s):** .5-1

**PHIL 395 Honors Thesis**

Supervised completion of research thesis begun and approved in majors' seminar.

**Unit(s):** 1

**PHIL 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**Philosophy, Politics, Economics, and Law**

*David Lefkowitz, Coordinator (Philosophy)*

The interdisciplinary major in Philosophy, Politics, Economics, and Law (PPEL) enables students to pursue a rigorous exploration of the historical, methodological, and theoretical interconnections among these four fields of study. Students will acquire knowledge of different conceptual, theoretical and normative perspectives within each discipline, and will learn to use methods appropriate to each of them. The distinctive aim of the major is to assist students in synthesizing what they learn from their study of philosophy, politics, economics, and law so as to apply a combination of practical and theoretical knowledge to questions of social order and public policy.

**The Philosophy, Politics, Economics, and Law Major**

**Note:** The grade point average of the coursework comprising the major must be no less than 2.0, with no course grade below a C- (1.7).

13-14 units, including

Core Courses:

- ECON 101 Principles of Microeconomics
- PPEL 261: PPEL Seminar in Theory and Public Policy
- PPEL 262: PPEL Seminar in Law and Social Order
- PPEL 401: PPEL Capstone Seminar

Area Courses:

- One course in normative ethics
- One course in normative political theory/political philosophy
- One law-related course

**Note:** Area requirements can be fulfilled by courses in a variety of departments and schools. Majors should consult the PPEL website for an up to date list of approved courses. Exactly one area course may also count toward the 5 units within the primary concentration.

Concentration:

A required concentration chosen from Economics, Politics, or Philosophy including:

- Five units selected from within the concentration field.
- One unit from each of the other two concentration fields.

**Notes:**

- Students may petition the coordinator to have a new course count as an area or concentration course.
- No more than half of the courses satisfying the requirements of the major may be taken in a single department.
- With the exception of Leadership Studies, no more than three courses that count toward the completion of another major may also count toward the PPEL major. No more than four courses that count toward the completion of a Leadership Studies major may also count toward the PPEL major.
- Study abroad is strongly encouraged. Upon approval of the PPEL coordinator, relevant coursework abroad can substitute for PPEL major requirements with the exception of PPEL 261, 262, and 401.
- Students seeking an exception to any of the major requirements must submit a petition to the PPEL Committee. Please see the PPEL coordinator for additional information.

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

**Ethics Area Courses**

BUAD 392: Ethical, Social and Legal Responsibilities of Business



ECON 233: Ethics and Economics  
 LDST 377: Ethical Decisions-Making in Healthcare  
 LDST 450: Leadership Ethics  
 PHIL 220: Contemporary Moral Issues  
 PHIL 360: Ethics  
 PHIL 365: Action, Responsibility, and Free Will  
 PHIL 375: Ethics and Practical Reasoning  
 RELG 265: Religion and Moral Decisions  
 RELG 267: Varieties of Christian Ethics  
 RELG/ENVR 269: Ethics, Religion and the Environment

**Political Theory/Political Philosophy Area Courses**  
 ANTH 328 Anthropology of Human Rights  
 ANTH 335: Law and Order: The Anthropology of Justice  
 GEOG 370: Geographies of Economic Development and Globalization  
 HIST 391: Transnational Social Reform  
 LDST 205: Justice and Civil Society  
 LDST 308/PLSC 330: The Creation of the American Republic  
 LDST 361: Sex, Power, and Politics  
 LDST 374: Contemporary Debates in Democratic Theory  
 LDST 378: Statesmanship  
 PHIL 221: Feminist Political Theories  
 PHIL 337: Social and Political Philosophy  
 PHIL 363: Power and Politics  
 PLSC 311: Classical Political Thought  
 PLSC 312: Modern Political Theory  
 PLSC 315: American Political Theory  
 PLSC 339: Jurisprudence in Contemporary American Politics  
 RELG 369: Ethics, Religion, and War

**Law-Related Area Courses**  
 ANTH 335: Law and Order: The Anthropology of Justice  
 ECON 231: Law and Economics  
 HIST 199: Scottsboro Trials  
 JOUR 303: Ethics and Law  
 LDST 308: The Creation of the American Republic  
 LDST 371: Moral Limits of the Criminal Law  
 PHIL 260: Philosophical Problems in Law and Society  
 PHIL 364: Philosophy and Law  
 PLSC 331: Constitutional Law  
 PLSC 333: Civil Rights/Liberties  
 PLSC 336: American Constitutional History  
 PLSC 337: The American Legal System  
 PLSC 339: Jurisprudence in Contemporary American Politics  
 PLSC 352: International Law and Organization  
 PLSC/ENVR 362: Environmental Law and Policy  
 RHCS 353 Rhetoric and Law

### **PPEL Concentration in Economics**

*Erik Craft (Economics) and Jonathan Wight (Economics), Advisors*

7 units, including

- ECON 102 Principles of Macroeconomics
- ECON 271 Microeconomic Theory
- One unit chosen from:

ECON 231 Law and Economics  
 ECON 233 Ethics and Economics

- Two elective units in Economics at the 200 or 300 level
- One elective in Philosophy
- One elective in Political Science

### **PPEL Concentration in Politics**

*Stephen Simon (Political Science), Advisor*

7 units, including

- Five elective units in Political Science
- One elective in Philosophy
- One elective in Economics

### **PPEL Concentration in Philosophy**

*Geoff Goddu (Philosophy) and Nancy Schaubert (Philosophy), Advisors*

7 units, including

- Five elective units in Philosophy
- One elective in Political Science
- One elective in Economics

### **Courses**

#### **PPEL 261 PPEL Seminar in Theory and Public Policy**

Aims to bring into contact and conflict various normative theories developed by philosophers, political scientists, and economists - that is, their different accounts of what makes acts right, outcomes good, or societies just - with significant attention paid to the implications these theories have for some issue of public policy such as climate change healthcare

reform, or global poverty reduction.

**Prerequisite(s):** One course from any two of the following disciplines: Philosophy, Political Science, Economics, or Leadership Studies.

**Unit(s):** 1

**PPEL 262 PPEL Seminar in Law and Social Order**

Aims to bring into contact and conflict various normative theories developed by philosophers, political scientists, economists, and legal theorists - that is, their different accounts of what makes acts right, outcomes good, or societies just - with significant attention paid to the implications these theories have for some area of law, such as international or tort law, or some legal institution, such as legislatures or courts.

**Prerequisite(s):** One course from any two of the following disciplines: Philosophy, Political Science, Economics, or Leadership Studies.

**Unit(s):** 1

**PPEL 381 Selected Topics in Philosophy, Politics, Economics, and Law**

Selected topics in Philosophy, Politics, Economics, and Law not covered by existing courses.

**Prerequisite(s):** Departmental approval.

**Unit(s):** 1

**PPEL 401 PPEL Capstone Seminar**

A substantial research project that integrates normative theory from the disciplines of philosophy, political science, and economics. Specific topic and instructor will vary from semester to semester.

**Prerequisite(s):** Economics 101, Philosophy, Politics, Economics, and Law 261 and 262.

**Unit(s):** 1

**PPEL 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

## Physics

### Department of Physics

*Emory Bunn, Chair*

*Professor Gilfoyle*

*Associate Professors Beausang, Bunn, Fetea*

*Assistant Professors Lipan, Trawick*

*Director of Physics Laboratory Nebel*

*Manager of Laboratories Wimbush*

### Dual-Degree (3-2) Engineering Program

Building on the strengths of majors in physics, mathematics, computer science, chemistry, and biology, the School of Arts and Sciences offers students with special career goals the ability to pursue dual degrees in a five-year period. Some opportunities allow a student to earn a Bachelor of Science from Richmond and also a Bachelor of Science from a cooperating engineering school, while others enable a student to complete an undergraduate degree from Richmond and an accelerated master's degree in engineering from a partner institution--all within a five-year period. The department has established partnership agreements through 26 different programs with the following institutions: Columbia University - School of Engineering and Applied Science; George Washington University - School of Engineering and Applied Science; University of Virginia - School of Engineering; Virginia Tech - College of Engineering; Virginia Tech - College of Science, Department of Geological Science. Additional schools of engineering may develop agreements with Richmond. The physics department's pre-engineering advisor can provide information about participating programs and requirements.

### The Physics Major

#### For the Bachelor of Arts degree

14 units, including  
 PHYS 127 General Physics I or 131 General Physics with Calculus I  
 One unit, chosen from

PHYS 128 General Physics II  
 PHYS 132 General Physics with Calculus II  
 PHYS 133 Atomic and Sub-Atomic Physics  
 PHYS 134 Biological Physics  
 PHYS 205 Introduction to Modern Physics  
 PHYS 221 Intermediate Laboratory  
 PHYS 397-398 Junior Seminar  
 PHYS 497-498 Senior Seminar  
 Three additional units in PHYS  
 MATH 212 Calculus II or MATH 232 Scientific  
 Calculus II  
 Five additional units in courses approved by the  
 department

This degree is offered primarily for students who wish to prepare for interdisciplinary or medical sciences studies, or to earn a cultural degree.

### For the Bachelor of Science degree

13.5 units, including  
 PHYS 127 General Physics I or 131 General Physics  
 with Calculus I  
 One unit, chosen from  
     PHYS 128 General Physics II  
     PHYS 132 General Physics with Calculus II  
     PHYS 133 Atomic and Sub-Atomic Physics  
     PHYS 134 Biological Physics  
 PHYS 221 Intermediate Laboratory  
 PHYS 301 Mathematical Methods in Physics  
 PHYS 303 Classical Mechanics  
 PHYS 305 Electromagnetism  
 PHYS 308 Statistical Physics  
 PHYS 309 Quantum Mechanics I  
 PHYS 397-398 Junior Seminar  
 PHYS 497-498 Senior Seminar  
 ½ unit of experimental work in addition to PHYS 221  
 One unit, chosen from  
     CHEM 141 Introductory Chemistry:  
     Structure, Dynamics and Synthesis  
     CMSC 150 Introduction to Computing  
     CMSC 155 Introduction to Scientific  
     Computing  
     MATH 235 Multivariate Calculus  
 MATH 245 Linear Algebra  
 Two additional units, chosen from  
     PHYS 203 Systems Biology  
     PHYS 205 Modern Physics  
     PHYS 215 Computational Methods  
     PHYS 216 Electronics I  
     PHYS 217 Electronics II  
     PHYS 306 Electromagnetism  
     PHYS 310 Quantum Mechanics II  
     PHYS 404 Theoretical Physics  
     PHYS 479 Special Topics

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

### The Interdisciplinary Physics Major for the Bachelor of Science Degree

NOTE: Students cannot major in both physics and interdisciplinary physics.

15 units, including  
 PHYS 127 General Physics I or 131 General Physics  
 with Calculus I  
 One unit, chosen from  
     PHYS 128 General Physics II  
     PHYS 132 General Physics with Calculus II  
     PHYS 133 Atomic and Sub-Atomic Physics  
     PHYS 134 Biological Physics  
 PHYS 205 Introduction to Modern Physics  
 PHYS 221 Intermediate Laboratory  
 PHYS 301 Mathematical Methods in Physics  
 PHYS 397-398 Junior Seminar  
 PHYS 497-498 Senior Seminar  
 MATH 211-212 Calculus I-II or MATH 231-232  
 Scientific Calculus I-II  
 Three additional units in physics at the 200 level or  
 above  
 One of the concentrations described below. All  
 concentrations require 4-5 additional units beyond  
 those listed above.

1. Biology Concentration
  - BIOL 201 Genetics
  - CHEM 141 Introductory  
Chemistry: Structure, Dynamics,  
and Synthesis
  - Three additional units in biology
2. Biochemistry Concentration
  - CHEM 141 Introductory  
Chemistry: Structure, Dynamics  
and Synthesis
  - CHEM 205-206 Organic Chemistry
  - BIOL/CHEM 326 Biochemistry or  
BIOL/CHEM 327 Biochemistry  
with Lab
3. Chemistry Concentration
  - CHEM 141 Introductory  
Chemistry: Structure, Dynamics  
and Synthesis
  - CHEM 309-310 Physical  
Chemistry and CHEM 314-315  
Physical Chemistry Laboratory
  - One additional unit in chemistry
4. Computer Science Concentration

- CMSC 150 Introduction to Computing or CMSC 155 Introduction to Scientific Computing
  - CMSC 221 Data Structures with Lab
  - Three additional units in computer science
5. Mathematics Concentration
- MATH 235 Multivariate Calculus
  - MATH 245 Linear Algebra
  - MATH 312 Differential Equations
  - Two additional units in mathematics at the 300 level or above
6. Engineering Concentration: 5 units of engineering courses
- This concentration is intended for students participating in the 3-2 engineering program.
  - The required units will be earned at another institution.

### The Physics Minor

5 units, including

- Three units numbered above 200, excluding 397-398 and 497-498
- Two additional units in PHYS

### Courses

#### **PHYS 121 Astrophysics**

Celestial motions, stellar structure, cosmology, and related problems including appropriate concepts of elementary physics. Not among the recommended options for science or math majors. Includes laboratory.

**General Education Requirement:** (FSNP)

**Unit(s):** 1

#### **PHYS 125 Elements of Physics**

Principles and applications of physics. Topics selected from mechanics, sound, light, electricity, magnetism, heat, and modern physics. Not among the recommended options for science or math majors. Includes laboratory.

**General Education Requirement:** (FSNP)

**Unit(s):** 1

#### **PHYS 127 General Physics 1**

First semester of a sequence in general physics. Mechanics, heat, sound, magnetism, electricity, light, and modern physics are covered in the two-semester sequence. Includes laboratory. NOTE: Physics 127 is not a prerequisite to 128. A student may not receive credit for both Physics 131 and 127.

**Prerequisite(s):** Algebra and trigonometry.

**General Education Requirement:** (FSNP)

**Unit(s):** 1

#### **PHYS 128 General Physics 2**

Second semester of a sequence in general physics. Mechanics, heat, sound, magnetism, electricity, light and modern physics are covered in the two-semester sequence. Includes laboratory. NOTE: A student may receive credit for only one of the following courses: 128, 132, 133, 134.

**Prerequisite(s):** Algebra and trigonometry.

**General Education Requirement:** (FSNP)

**Unit(s):** 1

#### **PHYS 131 General Physics with Calculus 1**

First semester of a calculus-based introductory sequence. Mechanics, heat, sound, magnetism, electricity, and light are covered in the two-semester sequence. Includes laboratory. NOTE: A student may not receive credit for both Physics 127 and 131.

**Prerequisite(s):** Math 211 or 231 (may be taken concurrently).

**General Education Requirement:** (FSNP)

**Unit(s):** 1

#### **PHYS 132 General Physics with Calculus 2**

Second semester of a calculus-based introductory sequence. Mechanics, heat, sound, magnetism, electricity, and light are covered in the two-semester sequence. Includes laboratory. NOTE: A student may receive credit for only one of the following courses: 128, 132, 133, 134.

**Prerequisite(s):** Math 212 or 232 (may be taken concurrently) and Physics 127 or 131 or 191 or permission of instructor.

**General Education Requirement:** (FSNP)

**Unit(s):** 1

**PHYS 133 Atomic and Sub-Atomic Physics**

Second semester of a calculus-based introductory sequence with emphasis on physics of atoms, molecules, nuclei, and quarks. Mechanics, heat, sound, magnetism, electricity, and light are covered in the two-semester sequence. Includes laboratory. NOTE: A student may receive credit for only one of the following courses: 128, 132, 133, 134.

**Prerequisite(s):** Math 212 or 232 (may be taken concurrently) and Physics 131 or 191 or permission of instructor.

**Unit(s):** 1

**PHYS 134 Biological Physics**

Second semester of a calculus based introductory sequence. Mechanics, heat, sound, magnetism, electricity, and light are covered in the two-semester sequence that includes laboratory. Examples emphasize applications of physics to the biological sciences, and earth and environmental science. NOTE: A student may receive credit for only one of the following courses: 128, 132, 133, 134.

**Prerequisite(s):** Math 212 or 232 (may be taken concurrently) and Physics 127, 131 or 191 or permission of instructor.

**Unit(s):** 1

**PHYS 191 Integrated Science/Math/Computer Science 4 with Laboratory**

One of two courses taught spring semester as part of Integrated Quantitative Science program. Each semester of the course will be organized around a guiding principle that integrates several concepts. Along with co-requisite, will include ten hours for lecture and lab combination.

**Prerequisite(s):** High school calculus. Biology 190 and Math 190. Co-requisite: Chemistry 191. Acceptance to Integrated Quantitative Science course required.

**Unit(s):** 1

**PHYS 203 Systems Biology**

Introduction to the fundamentals of systems biology, an emerging field that focuses on complex interactions in biological systems. Topics chosen come from the perspective of the design of biological circuits. For students in the biological sciences,

physics, chemistry, and mathematics interested in quantitative biology and the interface between the biological and physical sciences. No laboratory.

**Prerequisite(s):** Physics 131 and Biology 199 and Math 211 or 231, and Computer Science 150 or 155; Or Physics 191 and Chemistry 191.

**Unit(s):** 1

**PHYS 205 Introduction to Modern Physics**

Introduction to topics in 20th-century physics including special relativity, quantum mechanics, and statistical physics.

**Prerequisite(s):** Physics 132 or 133 or 134 or 191 or permission of department.

**Unit(s):** 1

**PHYS 215 Computational Methods in Physics**

Project-oriented: applying computers to solution of problems in physical sciences.

**Prerequisite(s):** Physics 132 or 133 or 134 or 191 and some familiarity with at least one higher-level computer language.

**Unit(s):** 1

**PHYS 216-217 Electronics**

Laboratory course in basic electronics and instrumentation for science majors. Study of dc and ac circuits, diodes, rectifiers, transistors, operational amplifiers, binary logic, Boolean algebra, digital circuits, analog-digital conversion, transducers, and computer interfacing.

**Prerequisite(s):** Physics 127-128 or 132 or 191. Physics 216 is a prerequisite to Physics 217.

**Unit(s):** 1-1

**PHYS 221 Intermediate Laboratory**

Experiments in classical and modern physics emphasizing independent work. Six laboratory hours per week.

**Prerequisite(s):** Physics 127-128 or 132 or 191.

**Unit(s):** 1

**PHYS 301 Mathematical Methods in Physics**

Selected mathematical topics needed for upper-level work in physics. Topics taken from vector calculus, matrices, calculus of variations, orthogonal functions,

and complex analysis.

**Prerequisite(s):** Physics 132 or 133 or 134 or 191 or permission of department.

**Unit(s):** 1

**PHYS 303 Mechanics**

Mathematical analysis of physical laws pertaining to dynamics of particles and rigid bodies. Introduction to moving coordinate systems and Lagrange's and Hamilton's methods.

**Prerequisite(s):** Physics 301 or permission of department.

**Unit(s):** 1

**PHYS 305-306 Electricity and Magnetism**

Electrostatic fields and potentials, dielectrics, magnetic fields, and potentials. Maxwell's equations, electromagnetic waves.

**Prerequisite(s):** Physics 301 or permission of department. Physics 305 is prerequisite to 306.

**Unit(s):** 1-1

**PHYS 308 Statistical Mechanics**

Statistical methods applied to description of physical systems. Statistical calculation of thermodynamic quantities, laws of thermodynamics, statistical distributions, and classical and quantum statistics of ideal gases. (Same as Chemistry 308.)

**Prerequisite(s):** Physics 301 or permission of department.

**Unit(s):** 1

**PHYS 309-310 Quantum Mechanics I and II**

Wave mechanics and quantization; Schrodinger equation for variety of potentials; hydrogen atom in detail; perturbation methods. (Same as Chemistry 401-402.)

**Prerequisite(s):** Chemistry 310 or Physics 301 or permission of department. Physics 309 is prerequisite to 310.

**Unit(s):** 1-1

**PHYS 381-382 Research**

Laboratory or independent study. 0.5 units requires six hours per week. PHYS 381 may be taken a maximum of three times. PHYS 382 may not be

repeated for credit. Both available for 0, .25, or .5 units.

**Prerequisite(s):** Permission of department.

**Unit(s):** 0, .25, or .5

**PHYS 397-398 Junior Seminar**

Required of all third-year physics majors. Does not count in units required for minor.

**Unit(s):** 0 (397)-.5(398)

**PHYS 404 Theoretical Physics**

Application of mathematics to selected topics in physics.

**Prerequisite(s):** Physics 301 or permission of department.

**Unit(s):** 1

**PHYS 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**PHYS 479 Special Topics**

Topics include particle and nuclear physics, solid state, modern optics, relativity, field theory.

**Prerequisite(s):** Permission of department.

**Unit(s):** 1

**PHYS 497-498 Senior Seminar**

Required of all senior physics majors. Does not count in units required for minor.

**Unit(s):** 0 (497)-.5 (498)



## Political Science

### Department of Political Science

*Vincent Wang, Chair*

*Professors Carapico, Dagger, Kandeh, Palazzolo, Wang*

*Associate Professors Erkulwater, Mayes, Roof, Simpson*

*Assistant Professors Bowie, Cherry, Datta, Long, McGowen, Pribble, Simon, Sznajder Lee*

### The Political Science Major

**Note:** The grade point average of the coursework in political science comprising the major, must be 2.00 or above with no course grade below C- (1.7).

10 units, including

PLSC 220 Introduction to American Government

Two courses, chosen from

PLSC 240 Introduction to Comparative Politics

PLSC 250 Introduction to International Relations

PLSC 260 Introduction to Public Policy

One unit, chosen from

PLSC 311 Classical Political Thought

PLSC 312 Modern Political Theory

PLSC 315 American Political Theory

One unit, chosen from

PLSC 372 Methods for Public Opinion Research

PLSC 373 Methods for Public Policy Research

PLSC 374 Methods for Cross-National Research

PLSC 400 Senior Seminar

Four elective units at the 300 level, three of which must be in political science.

**Note:** Students may elect to take one department-approved course outside of the major related to political science; please consult the department website for a list of department-approved courses from other departments.

In addition to the 10 units in political science, a passing grade in MATH 119 (preferred) or BUAD 201 and 301, or PSYC 200, or equivalent is required as a prerequisite for PLSC 372, 373, or 374 but does not count toward the political science major.

The major must include a minimum of six units of University of Richmond political science courses. No more than two units of credit toward the major can be given for courses, including cross-listed courses, offered by other departments or schools at the University.

Study abroad and internships also are encouraged. Students who have an interest in attending law school should consult with the pre-law advisor; students interested in attending graduate school should consult with the department chair about undergraduate courses that they should consider taking.

### Honors Program

The political science honors program recognizes the most distinguished majors, who complete an advanced course of study, culminating in an honor's thesis. In order to be eligible, students must have completed 22 units of course work overall and at least six units in political science (including research methods) by end of junior year, with an overall and political science grade point average of 3.7 or above, and must be recommended by at least one full-time member of the Department of Political Science. Accepted honors students complete four units of designated honors coursework, including 11 units of political science courses. Honors course work may include honors seminars, standard elective courses with special work above and beyond the norm, or honors independent study courses, though at least two units must be from honors independent study (PLSC 491 and PLSC 492) devoted to proposing, researching, and writing an honors thesis in the senior year. A prospectus for the honors thesis topic must be approved before the end of the second semester junior year, at which time the candidate must identify a thesis advisor and a second reader. The thesis will fulfill the senior capstone requirement for the major; honors students are exempt from taking PLSC 400. Honors students must successfully defend their thesis before a committee of at least two readers, including the thesis advisor, and present their research at the School of Arts & Sciences Student Symposium in April of the senior year.

### Courses

**PLSC 220 Introduction to American Government**  
Basic roles, structures, and functions of American political institutions and introduction to American

political process.

**Unit(s):** 1

**PLSC 240 Introduction to Comparative Politics**

Concepts, approaches, classifications, and models useful in comparing political structures and processes. Political systems characteristic of countries with different cultures and levels of economic development.

**General Education Requirement:** (FSSA)

**Unit(s):** 1

**PLSC 250 Introduction to International Relations**

Framework for analyzing contemporary international system: goals of nation-states and other actors; how such actors attempt to achieve their goals; and some forces that help or hinder attainment of goals.

**General Education Requirement:** (FSSA)

**Unit(s):** 1

**PLSC 260 Introduction to Public Policy**

Contemporary social and economic problems in America, public policies adopted or proposed to deal with them, and ways of analyzing those problems and policies.

**General Education Requirement:** (FSSA)

**Unit(s):** 1

**PLSC 279 Special Topics**

May be repeated for credit when topic varies.

**Prerequisite(s):** Varies depending on topic.

**Unit(s):** 1

**PLSC 290 Mock Trial**

Designed for those students who choose to participate in intercollegiate mock trial activities. Graded pass/fail. One half unit per semester may be earned, but no more than 1 unit will be awarded. Units do not count toward completion of the major.

**Prerequisite(s):** Spring sections will require departmental approval.

**Unit(s):** .5

**PLSC 303 Metropolitan Problems and Politics**

Analysis of and practical involvement with major issues affecting metropolitan governments.

**Prerequisite(s):** Political Science 220 or permission of instructor.

**Unit(s):** 1

**PLSC 304 Virginia Government and Politics**

Virginia government at state, county, municipal, and special district levels. Emphasis on legislative, executive, and judicial organization; state politics; and intergovernmental relations.

**Prerequisite(s):** Political Science 220 or permission of instructor.

**Unit(s):** 1

**PLSC 310 Statesmanship**

(See Leadership Studies 378.)

**Unit(s):** 1

**PLSC 311 Classical Political Thought**

Enduring basic issues in political theory studied through writings of Plato, Aristotle and other thinkers from ancient Greece through the Renaissance.

**Unit(s):** 1

**PLSC 312 Modern Political Theory**

Ideas of major political philosophers of late 18th, 19th, and 20th centuries, such as Rousseau, Burke, Hegel, Marx, J.S. Mill, and Tocqueville.

**Unit(s):** 1

**PLSC 315 American Political Theory**

Political thought in America from colonial times to present with an emphasis on issues relating to liberty, equality, federalism, community, and national purpose.

**Unit(s):** 1

**PLSC 316 Reason, Rhetoric and Leadership**

(See Leadership Studies 379.)

**Unit(s):** 1

**PLSC 320 Power, Space and Territory: Geographies of Political Change**

(See Geography 320; same as International Studies 320.)

**Unit(s): 1****PLSC 321 Interest Groups and Social Movements**

A broad look at the role of social movements and interest groups in American politics and political science. Examines the place of interest groups in democratic theory, how groups and social movements are started and maintained, and their roles in politics including their impact on elections and the public policy-making process. Looks at a number of organized interests including the civil rights movement, organized labor, business, and Christian conservatives.

**Prerequisite(s):** Political Science 220.

**Unit(s): 1****PLSC 322 Public Opinion and Public Policy**

Examines relationship between public opinion and public policy by identifying democratic values, public preferences, and interactions between elected officials and people they govern.

**Prerequisite(s):** Political Science 220 or permission of instructor.

**Unit(s): 1****PLSC 323 Money, Politics and Prisons**

The connections between the economy, politics, and the prison system in the United States are important for understanding concepts of justice in a democracy. Explores links between privatization of prisons, political incentives, and theories of justice.

**Prerequisite(s):** Political Science 220.

**Unit(s): 1****PLSC 325 Racial Politics**

Comparative examination of the history, problems and political role of minority groups in the U.S., with a concentration on the African-American political experience.

**Prerequisite(s):** Political Science 220.

**Unit(s): 1****PLSC 326 Legislative Process**

Organization and functions of American Congress.

**Prerequisite(s):** Political Science 220 or permission of instructor.

**Unit(s): 1****PLSC 327 The American Presidency**

Political leadership in American political system from perspective of chief executive. Particular attention to expansion and use of presidential power.

**Prerequisite(s):** Political Science 220 or permission of instructor.

**Unit(s): 1****PLSC 328 American National Government**

Research seminar on national policy-making process. For advanced political science students.

**Prerequisite(s):** Political Science 220 or permission of instructor.

**Unit(s): 1****PLSC 329 Campaigns and Elections**

Analysis of institutions and process of American electoral system and behavior of American electorate.

**Prerequisite(s):** Political Science 220 or permission of instructor.

**Unit(s): 1****PLSC 330 Creation of the American Republic**  
(See Leadership Studies 308.)**Unit(s): 1****PLSC 331 Constitutional Law**

Role of United States Supreme Court in American politics studied through examination of landmark constitutional decisions pertaining to distribution of governmental powers.

**Prerequisite(s):** Political Science 220 or permission of instructor.

**Unit(s): 1****PLSC 333 Civil Rights/Liberties**

Analysis of contemporary legal status and interpretation of constitutional rights and liberties. Emphasis on landmark Supreme Court decisions involving various provisions of the Bill of Rights and the Fourteenth Amendment.

**Prerequisite(s):** Political Science 220 or permission of instructor.

**Unit(s):** 1

**PLSC 336 American Constitutional History**

Background, adoption, and development of the Constitution, with emphasis on role of Supreme Court and judicial review in American history and on changing interpretations of key provisions in the Constitution.

**Prerequisite(s):** Political Science 220 or History 120 or 121.

**Unit(s):** 1

**PLSC 337 The American Legal System**

Analysis of structure, processes, and personnel of American legal system. Emphasis on decision making of private parties, judges, juries, and attorneys in context of civil litigation and criminal prosecution.

**Prerequisite(s):** Political Science 220 or permission of instructor.

**Unit(s):** 1

**PLSC 339 Jurisprudence in Contemporary American Politics**

Explores basic questions about the nature and function of law as an instrument of state power that are deeply interconnected with a wide range of political and legal problems.

**Prerequisite(s):** Political Science 220 or permission of instructor.

**Unit(s):** 1

**PLSC 340 Islam in Politics**

Broadly comparative survey of contemporary Islamist political parties, ideologies and legal philosophies in Asia, Africa, Europe, and America.

**Prerequisite(s):** Political Science 240 or International Studies 290.

**Unit(s):** 1

**PLSC 342 Transitions from Communism in Europe and Eurasia**

An overview of developments in the postcommunist region while focusing on the politics of simultaneous triple transition from communist rule: political, economic, and social. Pays particular attention to the determinants of diverse trajectories followed by

countries in the postcommunist world as it examines new EU member states, Russia, and the other members of the Commonwealth of Independent States (CIS). (Same as International Studies 342.)

**Prerequisite(s):** Political Science 240 or permission of instructor.

**Unit(s):** 1

**PLSC 343 Politics of Asia**

Study of historical, cultural, and social forces shaping contemporary politics of Asia. Comparative survey of major political systems and critical examination of key issues. Attempts to link Asian studies with mainstream political science.

**Prerequisite(s):** Political Science 240 or permission of instructor.

**Unit(s):** 1

**PLSC 344 Europe Today**

An examination of political, social, and economic developments in Europe (both western and east-central) since World War II. Topics include European integration and the development of the European Union institutions, postcommunist transitions and their consequences, and the domestic politics of selected European states.

**Prerequisite(s):** Political Science 240 or permission of instructor.

**Unit(s):** 1

**PLSC 345 Politics of China, Hong Kong and Taiwan**

Study of contemporary political history of China; analysis of political systems of the People's Republic of China, the Hong Kong Special Administrative Region, and the Republic of China on Taiwan; and discussion of key political, economic, and military issues.

**Prerequisite(s):** Political Science 240 or permission of instructor.

**Unit(s):** 1

**PLSC 346 Politics of Cultural Pluralism**

Comparative examination of politicization of race, ethnicity, religion, and caste in contemporary world.

**Prerequisite(s):** Political Science 220, 240, or 250 or International Studies 290 or permission of

instructor.

**Unit(s):** 1

**PLSC 347 Politics of Developing Nations**

Comparative analysis of political, social, and economic development or modernization of nations in Africa, Asia, and Latin America. Topics include influence of ideology, revolution and reform, national integration, neo-imperialism and dependency, and economic growth and equality.

**Prerequisite(s):** Political Science 240 or 250 or permission of instructor.

**Unit(s):** 1

**PLSC 348 Politics of Africa**

Comparative study of state formation, nation-building, political economy, social structure/movements, selected regions and countries in Africa.

**Prerequisite(s):** Political Science 240 or 250 or permission of instructor.

**Unit(s):** 1

**PLSC 349 Politics of Latin America and the Caribbean**

Influence of historical, social, and cultural forces on contemporary politics of Latin America and the Caribbean. Effects of social structure and underdevelopment on processes of democratization, institution building, national integration, and economic development. Case studies of selected countries illustrate major themes and issues explored.

**Prerequisite(s):** Political Science 240 or permission of instructor.

**Unit(s):** 1

**PLSC 350 American Foreign Policy**

Analyzes the traditions, processes, substance, and goals of American foreign policy, in addition to exploring national security and defense policy, foreign economic policy, international diplomacy, and foreign policy ethics.

**Prerequisite(s):** Political Science 220 or 250 or permission of instructor.

**Unit(s):** 1

**PLSC 351 Globalization**

Analysis of the political, economic, and socio-cultural dimensions of globalization. Considers how globalization has affected the nation state, interstate relations, and the democratization and development of countries around the world. Students will evaluate different definitions of globalization; analyze to what extent globalization limits the autonomy of national governments; and consider whether the effects of globalization vary across different regions of the world. (Same as International Studies 351.)

**Prerequisite(s):** Political Science 240 or 250 or International Studies 210.

**Unit(s):** 1

**PLSC 352 International Law and Organization**

Development, processes and functions of contemporary international law and organization. Emphasis on conflict management, promotion of economic and social welfare, and development of community.

**Prerequisite(s):** Political Science 250 or permission of instructor.

**Unit(s):** 1

**PLSC 353 International Security**

Investigates international issues that threaten the security and prosperity of societies and individuals in the modern world. Issues include global terrorism, human slavery and trafficking, genocide, civil wars and insurgencies, and the proliferation of weapons of mass destruction. (Same as International Studies 353)

**Prerequisite(s):** Political Science 250 or Military Science 205

**Unit(s):** 1

**PLSC 355 International Relations of the Middle East**

The international relations of southwest Asia and northeast Africa with an emphasis on issues related to war, peace, and power, including the role of European empires and the United States in the formation of the regional nation-state system; contemporary conflicts in the Persian Gulf and Israeli-Arab arenas; the political economy of oil; terrorist attacks and counter-terror strategies; and American foreign policy toward the region.

**Prerequisite(s):** Political Science 250.

**Unit(s):** 1

**PLSC 356 International Political Economy**

Politics, processes, and institutions underlying contemporary global economic interdependence, with special focus on international trade, finance, and assistance; alternative theoretical models for understanding these events, processes, and institutions.

**Prerequisite(s):** Political Science 250 or permission of instructor.

**Unit(s):** 1

**PLSC 357 International Relations of East Asia**

Study of interactions among the major powers in the Asia-Pacific region during and after the Cold War. Examines crucial country cases and thematic issues (with focus on identity, security, and economic interdependence) by drawing perspectives from dominant international relations theories (e.g., realism, neorealism, liberal-idealism, liberal institutionalism, Marxism, and constructivism).

**Prerequisite(s):** Political Science 240 or 250.

**Unit(s):** 1

**PLSC 358 The U.S. and Asia's Great Powers**

Study of changing U.S. role in the Asia-Pacific region; U.S. relations with the major powers in the region; and salient regional and bilateral political, security, and economic issues.

**Unit(s):** 1

**PLSC 359 Global Governance**

Analyzes themes and selected topics in global governance. It explores how state and nonstate actors work together to confront and solve contemporary transnational challenges. (Same as International Studies 359)

**Prerequisite(s):** Political Science 250

**Unit(s):** 1

**PLSC 360 International Development Policy**

Assistance policies of wealthy nations and multilateral organizations, development policies and problems of poor or underdeveloped nations, and dynamics of economic, political, environmental, and cultural transactions.

**Prerequisite(s):** Political Science 250 or permission of instructor.

**Unit(s):** 1

**PLSC 361 The Politics of Social Welfare**

Study of the development and effectiveness of programs in the United States that seek to promote economic equality and alleviate need. A focus on programs for both the poor and the middle class.

**Prerequisite(s):** Political Science 220, 260, or Sociology 101 or permission of instructor.

**Unit(s):** 1

**PLSC 362 Environmental Law and Policy**

Examines legal aspects, both regulations and case law, of environmental policy. Central issues are whether legal responses (1) effectively address the needs of the parties most affected; (2) properly weigh such facts as economic efficiency, protection of nonhuman species, and the possibility of unintended consequences; and (3) are diluted by the political process. (Same as Environmental Studies 362.)

**Prerequisite(s):** Political Science 260 or Environmental Studies 201.

**Unit(s):** 1

**PLSC 363 Global Health, Infectious Disease, and Human Rights**

Examines what makes us sick, what keeps us healthy, and what it would take to give good health the upper hand in developing countries. Over the past 150 years, major breakthroughs in public health have enabled humans to live longer, healthier, and more productive lives. The benefits of public health have yet to be extended to many of the poorest nations. In the past two decades, infectious diseases that had nearly been conquered have come surging back, while devastating new diseases have emerged.

**Unit(s):** 1

**PLSC 364 Mental Health and Policy**

Integrates the study of mental health care and policy in the United States from the early 20th century to the present and the etiology of major mental health problems and their treatments. The policy portion of the course will focus on the effects that changes in financing programs and health insurance have had in shaping mental health policy, the types and patterns of treatment, the expansion of concepts of mental illness, and the changing nature of mental health advocacy and ideology. The clinical portion of the course will be based on a biopsychosocial model of



mental health and will thus encourage students to think critically about how biological, psychological, and contextual factors interact to produce mental disorders and how different treatment approaches must then address these complex causal factors.

**Prerequisite(s):** (PSYC 100 and PSYC 200) or PLSC 260

**Unit(s):** 1

**PLSC 365 U.S. Healthcare Policy and Politics**

Examination of political and economic evolution of the American healthcare system: doctors, hospitals, managed care, Medicare, Medicaid, health insurance, public health, epidemiology, mental health, pediatric health, tort reform, and psychopharmacology, among other topics. Includes comparative analysis of other countries' healthcare systems.

**Unit(s):** 1

**PLSC 366 Poverty and Political Voice**

Examines how well our nation's antipoverty policies alleviate the hardships faced by residents of these communities and assesses the ability of the poor to mobilize for effective social change in their communities. Includes a required community-based learning component.

**Prerequisite(s):** Political Science 220 or 260 or Sociology 101

**Unit(s):** 1

**PLSC 372 Methods for Public Opinion Research**

Core topics related to research methodology with a specific focus on survey methodology and introduction to a wider range of methods for ascertaining public opinion.

**Prerequisite(s):** Political Science 220 with a grade of C- or better and Mathematics 119 or Business Statistics 301 or Psychology 200 with a grade of D- or better.

**Unit(s):** 1

**PLSC 373 Methods for Public Policy Research**

Core topics related to research methodology with a specific focus on policy analysis and program evaluation, including various methodological techniques utilized for the quantitative and qualitative assessment of public policy.

**Prerequisite(s):** Political Science 220 or 260 with a

grade of C- or better and Mathematics 119 or Business Statistics 301 or Psychology 200 with a grade of D- or better.

**Unit(s):** 1

**PLSC 374 Methods for Cross-National Research**

Core topics related to research methodology with a specific focus on issues and techniques in the collection, interpretation, comparison, and modeling of cross-national and cross-cultural data.

**Prerequisite(s):** Political Science 240 or 250 with a grade of C- or better, and Mathematics 119 or Business Statistics 301 or Psychology 200 with a grade of D- or better.

**Unit(s):** 1

**PLSC 379 Selected Topics**

Examples include comparative public-policy, constitutional politics, political terrorism, and public policy decision making. May be repeated for credit when topic varies.

**Unit(s):** 1

**PLSC 388 Individual Internship**

No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Permission of department chair.

**Unit(s):** .5-1

**PLSC 390 Independent Study**

**Prerequisite(s):** Permission of department chair.

**Unit(s):** .5-1

**PLSC 393 Seminar**

Selected topics of special interest to advanced students.

**Unit(s):** 1

**PLSC 395 Legislative Internship**

Combines weekly seminar on the state legislative process with work as assistant to a state legislator, government agency, interest group, or press during session of the Virginia General Assembly.

**Prerequisite(s):** Political Science 220 and permission of instructor.

**Unit(s):** 2

**PLSC 400 Senior Seminar**

Reading and research focusing on important topics in political science. Both topics and instructors change from semester to semester.

**Prerequisite(s):** Senior status and completion of seven units in political science, including 372, 373, or 374.

**Unit(s):** 1

**PLSC 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**PLSC 491-492 Honors Independent Research and Writing**

Reading and research toward an honors thesis.

**Prerequisite(s):** See honors program description.

**Unit(s):** 1-1

## Psychology

### Department of Psychology

*Jane Berry, Chair*

*Professors Allison, Kinsley, Newcomb*

*Associate Professors Bagwell, Berry, Crawford*

*Assistant Professors Bukach, Burnette, Landy*

*Clinical Assistant Professors Churchill, LeViness,*

*Stott*

The Department of Psychology offers a rigorous, graduated curriculum that combines the highest expectations of achievement in an environment rich in opportunities for intellectual stimulation and growth. Our primary mission is to provide an academic setting for students to become

knowledgeable, skilled, reflective, and highly accomplished, preparing them to excel in the best graduate and professional schools and in the most competitive, creative employment contexts. We prepare students to lead productive lives characterized by an inquiring attitude, engagement in the life of mind, and immersion in the larger community. Our faculty are dedicated to excellence in teaching and scholarship, and seek to cultivate in students a love of learning and involvement in their academic community by providing multi-layered mentoring opportunities. The department strives to educate and train its students to reach their potential.

The psychology faculty believe that education is as much an activity as it is a body of knowledge. As professors, we embrace pedagogical approaches that emphasize the scientific method; curiosity about the world and its phenomena; intellectual challenge and complexity; familiarity with primary source materials; interactive and collaborative learning; critical and analytical thinking; mastery in oral and written expression and communication; and the historical and philosophical foundations of psychological science. We value psychology's connections to the arts, humanities, and natural sciences; we teach professional ethics; we embrace diverse perspectives and individual differences; and we promote student involvement in local and international culture, community, and society. These curricular emphases reflect our educational goals and aspirations. They represent directions for fostering, challenging, and strengthening our students' intellectual experience, and they pervade all levels of our curriculum, from the introductory to the most advanced. Collaborative research pursuits between faculty and students are the centerpiece of the psychology major.

### The Psychology Major

**Note:** The grade point average of the department-specific and related-area coursework comprising the major must be no less than 2.00 with no course grade below C- (1.7).

### For the Bachelor of Arts degree

10 units, including  
 PSYC 100 Introduction to Psychological Science  
 PSYC 200 Methods and Analyses  
 PSYC 299 Integrated Topics  
 One course from PSYC 310-329  
 One course from PSYC 330-349  
 One additional course from PSYC 310-349

One course in the 433-449 series  
Three electives at the 300 or 400 level

### For the Bachelor of Science degree

14 units, including  
PSYC 100 Introduction to Psychological Science  
PSYC 200 Methods and Analyses  
PSYC 299 Integrated Topics  
One course from PSYC 310-329  
One course from PSYC 330-349  
One additional course from PSYC 310-349  
One course in the 433-449 series  
Three electives at the 300 or 400 level  
MATH 211 or 231 Calculus I  
MATH 212 or 232 Calculus II  
One unit, chosen from  
    MATH 235 Multivariate Calculus  
    MATH 245 Linear Algebra  
    MATH 312 Differential Equations  
    CMSC 150 Introduction to Computing  
    CMSC 155 Introduction to Scientific Computing  
One unit, chosen from  
    BIOL 201 Genetics  
    CHEM 141 Introductory Chemistry:  
    Structure, Dynamics and Synthesis  
    PHYS 127-128 General Physics I and II  
    PHYS 131-132 General Physics with  
    Calculus I and II

**Note:** No more than one unit of Psychology 299 may be applied to the 10 units required in psychology. No more than one unit of internship and two units of Psychology 361 may be applied to the major.

### The Senior Capstone Experience

The department's senior capstone experience is intended to provide psychology majors with an intensive and integrative experience in psychology to culminate their undergraduate careers.

Students pursuing either the Bachelor of Arts or the Bachelor of Science degree must choose one of three Senior Capstone options:

#### Option 1

One advanced seminar. One course in the Psychology 433-449 series to be taken during the fall or spring semester of the student's senior year.

#### Option 2

Senior research and one advanced seminar. One course in the Psychology 433-449 series to be taken during the fall or spring semester of the student's senior year, and collaboration with a faculty member

on a year-long senior research project in 461 and 462 courses.

#### Option 3

Senior honors research and two advanced seminars. One course in the Psychology 433-449 series to be taken during the fall semester of the student's senior year, a second course from this series to be taken during spring of the senior year, and collaboration with a faculty member on a year-long senior honors research project in 491 and 492 courses.

#### Related Fields

- Interdisciplinary concentration in neuroscience for biology and psychology majors
- Interdisciplinary major in cognitive science

### The Psychology Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.7).

7 units, including  
PSYC 100 Introduction to Psychological Science  
PSYC 200 Methods and Analyses  
PSYC 299 Integrated Topics  
One course from PSYC 310-329  
One course from PSYC 330-349  
One additional course from PSYC 310-349  
One elective at the 300 or 400 level

### Study Abroad

Psychology majors are encouraged to take advantage of study abroad. The key to successful integration of a study abroad experience with a psychology major is early and careful planning with the student's advisor and department chair. In most cases students will want to have their final three semesters on campus. Therefore, if a student anticipates participating in a study abroad program, the best times to be away are the sophomore year, the first semester of the junior year, or during a summer.

### Honors Program

Students invited into the honors program may earn honors in psychology by completing the following requirements:

1. Two courses from PSYC 433-449 series;
2. PSYC 491;
3. PSYC 492

## Courses

### **PSYC 100 Introduction to Psychological Science**

Overview of the study of human behavior, with emphasis on scientific reasoning and the technological skills involved in the process of conducting psychological research and understanding human behavior. Two and a half lecture and one and a quarter laboratory hours per week.

**General Education Requirement:** (FSSA)

**Unit(s):** 1

### **PSYC 200 Methods and Analyses**

Introduction to research methods and statistical procedures in psychological science. Emphasis on mastering fundamental scientific, reasoning, and technological skills associated with literature review, research design, experimental manipulation, data collection, data analysis, data graphics, data interpretation, data presentation, and scientific writing. Two and a half lecture and one and a quarter laboratory hours per week.

**Prerequisite(s):** Psychology 100 with a grade of C- or better.

**Unit(s):** 1

### **PSYC 249 Special Topics**

Special course offerings to explore specific directions within subdiscipline of psychology. May be repeated for credit when topic varies.

**Prerequisite(s):** Stated when course is offered.

**Unit(s):** 1

### **PSYC 299 Integrated Topics**

Courses that provide an integrative perspective of psychological theories, issues, and research across two or more disciplinary (or subdisciplinary) contexts. This course may not be repeated for credit.

**Prerequisite(s):** Psychology 100 with a grade of C- or better.

**Unit(s):** 1

### **PSYC 300 History and Systems of Psychology**

History of psychology and of major schools of thought and their viewpoints. Recommended for

majors who are planning to attend graduate school in psychology.

**Prerequisite(s):** Psychology 299.

**Unit(s):** 1

### **PSYC 311 Child Development**

Critical examination of research and theory on developmental changes and processes from prenatal through preadolescent periods. Emphasis on theoretical and empirical work on social, emotional, and cognitive development and on various developmental contexts. Includes an intensive laboratory experience focusing on conceptual, methodological, and analytical skills employed in the study of child development. Two and a half lecture and one and a quarter laboratory hours per week.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

### **PSYC 313 Social Psychology**

Critical overview of current theory and research in social psychology, with emphasis on conceptual and empirical work on social inference, stereotyping, self processes, social influence, affective processes, attraction, interpersonal processes, altruism, aggression, and group dynamics. Includes an intensive laboratory component focusing on conceptual, methodological, and analytical skills associated with social psychological inquiry. Two and a half lecture and one and a quarter laboratory hours per week.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

### **PSYC 315 Adult Development**

Critical examination of changes and stability in behavior from late adolescence through advanced old age, including perception, intelligence, memory, personality, emotion, social networks, death/dying, creativity, and wisdom. Emphasis on theory, research, and applications in class with intensive laboratory component. Two and a half lecture and one and a quarter laboratory hours per week.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 317 Applied Social Psychology**

Critical overview of theory and research in applied social psychology. Emphasis will be on applications of experimental behavioral science to societal, institutional, and personal well-being (e.g., inequality, conservation, interpersonal processes, jury deliberation, health). Includes an intensive laboratory component focusing on conceptual, methodological, and analytical skills associated with the study of applied social psychology. Two and a half lecture and one and a quarter laboratory hours per week.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 319 Psychopathology**

Critical examination of research and theory in psychopathology and behavior disorders including the phenomenology, etiology, assessment, and treatment of major forms of psychological disorders. Emphasis on an integrative approach incorporating clinical, developmental, biological, and sociocultural perspectives. Intensive co-requisite laboratory experience focused on conceptual, methodological, and analytical skills used in clinical psychology and investigation of psychopathology and behavior disorders. Two and a half lecture and one and a quarter laboratory hours per week.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 321 The Psychology of Organizations**

Critical examination of major theoretical orientations and methodological approaches that bridge the fields of social psychology and organizational behavior. Topics include information processing, decision making, social influence, leadership, and group dynamics. Intensive laboratory experience focusing on methodological, statistical, and computing skills associated with theory and research on the psychology of organizations. Two and a half lecture and one and a quarter laboratory hours per week.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 329 Special Topics**

Critical examination of concepts in one of the following areas of psychology, including but not limited to life span development, clinical and abnormal, social cognition, health, learning and memory, cross-cultural, personality, human diversity, and other specialized topics in the developmental, clinical, and social psychological sciences. Emphasis on theory, research, and applications in lecture with intensive laboratory component. May be repeated for credit when topic differs. Two and a half lecture and one and a quarter laboratory hours per week.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 331 Behavioral Neuroscience**

Focus on the neural regulation of behavior, from animal to human. Intensive lab component with techniques and approaches used in design, execution, and analysis of research in behavioral neuroscience. Two and a half lecture and one and a quarter laboratory hours per week.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 333 Cognitive Science**

Examines the nature, function, and mechanism of mental structures that process and represent information, in humans as well as other intelligent agents. Cognitive science integrates methods drawn from psychology, neuroscience, philosophy, computer science, linguistics, and anthropology. Intensive lab component applies techniques from various fields, emphasizing human experimentation and the observation, analysis, and design of simulated creatures. Two and a half lecture and one and a quarter laboratory hours per week.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 341 Cognitive Neuroscience**

Critically examines what brain injury and cognitive deficits can tell us about the relationship between brain and behavior. Covers the functional anatomy of the major cognitive systems, including action, object recognition, attention, memory, language, emotion, and executive function. Includes an intensive laboratory experience focusing on research skills



employed in the field of cognitive neuroscience. Two and a half lecture and one and a quarter laboratory hours per week.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

### **PSYC 349 Special Topics**

Critical examination of concepts in one of the following areas of psychology, including but not limited to psycholinguistics, stress, sensation and perception, animal behavior, and other specialized topics in the cognitive and brain sciences. Emphasis on theory, research, and applications in lecture with intensive laboratory component. Two and a half lecture and one and a quarter laboratory hours per week.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

### **PSYC 350 Selfhood**

Critical examination of nature, function, and development of the human self. Emphasis on the dynamic, open-ended qualities of the healthy, normal self, and on the construction of self-identity, especially in relationship to one's sense of meaning in life.

**Unit(s):** 1

### **PSYC 351 Religion and Psychology**

For millennia, religion and psychology have addressed issues pertaining to the nature and functioning of the human soul (anima) or mind (psyche). Will explore some of the intertwined history of religion and psychology, including some of the religious underpinnings of modern psychology, as well as the psychological foundations of religious experience, doctrine, ritual, and belief. Emphasis on the psychology of religions. (Same as Religion 364.)

**Unit(s):** 1

### **PSYC 352 Choice and Decision Making**

Critical examination of theories, concepts, and applications in the areas of human choice, judgment, and decision-making. Rational models of choice will be compared and contrasted with strategies that typify human behavior. Also focuses on applications of theoretical concepts to a variety of choices in everyday life as well as to major life decisions.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

### **PSYC 353 Mental Health and Policy**

Integrates the study of mental health care and policy in the United States from the early 20th century to the present and the etiology of major mental health problems and their treatments. The policy portion of the course will focus on the effects that changes in financing programs and health insurance have had in shaping mental health policy, the types and patterns of treatment, the expansion of concepts of mental illness, and the changing nature of mental health advocacy and ideology. The clinical portion of the course will be based on a biopsychosocial model of mental health and will thus encourage students to think critically about how biological, psychological, and contextual factors interact to produce mental disorders and how different treatment approaches must then address these complex causal factors.

**Prerequisite(s):** Psychology 100 and 200 or Political Science 260

**Unit(s):** 1

### **PSYC 359 Special Topics**

Special course offerings to explore specific direction within interdisciplinary area of psychology. May be repeated for credit when topics vary.

**Prerequisite(s):** Stated when course is offered.

**Unit(s):** 1

### **PSYC 361 Independent Research**

Individual research conducted in collaboration with faculty. Note: No more than 2 units may count toward a psychology major. Available as pass/fail only.

**Prerequisite(s):** Psychology 200 with a grade of C- or better and permission of supervising instructor prior to registration.

**Unit(s):** .5-1

### **PSYC 377 Advanced Research Seminar**

Critical overview of major disciplinary fields of specialization in psychological science, with focus on conducting research. Emphasis on developing a viable research proposal grounded in historical, philosophical, and empirical foundations related to a



student conceived research question. Open to advanced sophomores and juniors.

**Prerequisite(s):** Psychology 200 and 299.

**Unit(s):** 1

**PSYC 388 Individual Internship**

Supervised independent work in field setting designed to give student applied experience after completion of appropriate coursework in psychology. Requires consultation with and approval by department chair. No more than 1 unit of internship in any one department and 3.5 units of internship overall may be counted toward required degree units. Available as pass/fail only.

**Prerequisite(s):** Psychology 299 appropriate to the internship setting.

**Unit(s):** .5-1

**PSYC 433 Multivariate Statistics**

Multiple variable research design and applied multivariate analyses, including, but not limited to multiple regression, factor analysis, structural equation modeling, hierarchical linear modeling, and multivariate analysis of variance.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 435 Advanced Personality and Social Psychology**

Critical examination of theory and research associated with interface between personality and social psychology.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and

Sciences fellowship by faculty mentor

**Unit(s):** 0

**PSYC 436 Developmental Psychopathology**

Intensive analysis of description, etiology, and development of individual patterns of behavioral maladaptation in childhood and adolescence with critical evaluation of child and family treatment approaches.

**Unit(s):** 1

**PSYC 437 Psychology in American Society and Culture**

Critical examination of the ways in which American society and culture have influenced the development of modern psychology, and the reciprocal influence of modern psychology upon the social practices and cultural norms of the United States. (Same as History 303.)

**Unit(s):** 1

**PSYC 438 Group Processes**

In-depth analysis of psychology of group formation, group conflict, group decision making, and intergroup relations. Emphasis on critical analysis of current theory and research on collective phenomena.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 439 Psychoneuroendocrinology**

A treatment of the neuroendocrine regulation of brain and behavior.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 440 Advanced Neuroscience**

Advanced interdisciplinary examination of field of neuroscience, including biochemistry of the neuron, biology of the brain, and creation of psychology out of nervous tissue.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 441 Clinical Neuroscience**

Examination of ways in which brain function is modified to create symptomatology and syndromes that comprise clinical topics in psychology. The contrast between so-called psychological and biological bases of disorder is considered.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 442 The Neurobiology of Relationships**

Examination of complex array of behaviors that animals display toward each other from the perspective of evolutionary pressures that shaped extant neurobiology. Focus on inextricable link between human and animal origins.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 443 Cross-Cultural Psychopathology**

Critical examination of the extent to which the etiology and manifestation of mental disorders are affected by society and culture. The proposition that mental disorders prevalent within a particular culture shed light on the value structure and preoccupations of that culture is considered.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 444 Clinical Case Studies**

Intensive seminar that examines select clinical case studies and their contributions to our understanding of brain-behavior relationships. Special emphasis will be placed on the power and limits of the double dissociation methodology: contrasting patients with opposing patterns of deficits.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 446 Memory: Mind, Matter, Maturity**

Intensive analysis of developmental, psychological, and biological aspects of memory across the life span. Emphasis on normal memory development with some attention to special cases, e.g., Alzheimer's and other dementias. Memory in science, literature, society, and film examined.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 449 Advanced Seminar**

Intensive seminar intended for seniors and advanced juniors, based on faculty expertise and research specializations, and offered regularly in fall and spring semesters for capstone requirement.

**Prerequisite(s):** Psychology 200 with a grade of C- or better.

**Unit(s):** 1

**PSYC 461-462 Senior Research**

Intensive year-long research project for seniors, requiring conception, completion, and presentation of a research thesis under faculty mentorship.

**Unit(s):** 1-1

**PSYC 491-492 Senior Honors**

Intensive year-long research project for seniors who meet requirements for University and department honors programs, requiring conception, completion, and presentation of senior honors thesis under faculty mentorship.

**Prerequisite(s):** Departmental invitation.

**Unit(s):** 1-1

## Religion

### Department of Religion

*Jane Geaney, Chair*

*Professors Davis, Eakin*

*Associate Professors Geaney, Shaw, Winiarski*

The religious studies major is designed to provide students with both breadth and depth in the academic study of religion. When declaring the major, the student must meet with the departmental representative to formulate a course of study appropriate both to his or her interests and to the goals of the major generally.

### The Religious Studies Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.7).

9 units, including

Four units at the 300 level, excluding 388, 395, 396

Four elective units in religious studies

RELG 400 Seminar in Approaches to the Study of Religion (Spring only. To be taken in the junior year, except with permission of the department.)

The religious studies major is designed to offer students a broad education while providing them with the interpretive tools from the field of religious studies. The department encourages double majors. In addition, cognate courses in other departments may be included within the required nine units, with the approval in advance of the religious studies department. Under no circumstances will more than two extra-departmental courses be accepted as part of those nine units.

### Honors Program

Qualified students may apply to work for honors at the discretion of the department. A major who wishes to pursue honors should meet with the honors coordinator, usually no later than the first semester of the junior year. The department will then invite selected students to apply for honors, at which point those students will meet with the honors coordinator to plan a designated honors program in conjunction with a faculty advisor. The honors program will normally consist of four related courses, approved by the honors committee of the School of Arts and Sciences, two of which will be RELG 403-404, culminating in an honors thesis. The advisor and two other members of the department will constitute the thesis committee for each thesis and will supervise the required oral defense. Honors will be granted only to those students whose theses meet departmental standards.

### The Religious Studies Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.7).

5 units, including

At least two units at the 300 level, excluding 388, 395, 396

Two elective units in religious studies

### RELG 400 Seminar in Approaches to the Study of Religion

The religious studies minor is designed to provide basic grounding in the academic study of religion. The religious studies minor requires five units in religion, reflecting the diversity of areas and approaches that make up the religious studies department.

### Courses

#### **RELG 200 Symbol, Myth and Ritual**

Introduction to study of religion including, but not limited to, social scientific approaches, focusing on symbols, myths, and rituals as constitutive features of individual and communal religious thought and practice.

**General Education Requirement:** (FSSA)

**Unit(s):** 1

#### **RELG 201 The Bible as Literature**

A non-confessional study of the diverse genres of Biblical literature, viewing passages in historical context to understand the multiple layers of the intended message: period about which written, the time of the writer, and the time of the recipient. Within Biblical exegesis, primary emphasis is given to literary and historical criticism.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

#### **RELG 204 Choral Music and Creed**

(See Music 204.)

**General Education Requirement:** (FSVP)

**Unit(s):** 1

#### **RELG 230 The History of Israel**

Israel's historical development through collaborative study of Israel's ideas and institutions within context of Ancient Near East.

**General Education Requirement:** (FSHT)

**Unit(s):** 1

#### **RELG 232 Introduction to Biblical Hebrew**

A study of the language of the Hebrew Bible. Using a grammar, will study the uniqueness of the Hebrew language as an eastern structure with its nominal and verbal structure. Goal is to enable student to write an effective exegesis of a Biblical passage. Requires strong student participation. Grade based on classroom participation and the exegetical paper.

**Unit(s): 1**

**RELG 241 Introduction to Early Christian Era**

Survey of history of early Christianity, from Jesus and his religious background to the third century C.E. Focus on primary texts: New Testament and other early Christian literature.

**General Education Requirement:** (FSHT)

**Unit(s): 1**

**RELG 242 Jesus and Christian Origins**

Investigates diversity of historical sources for Jesus. Detailed attention to selected ancient documents and modern interpretations.

**Unit(s): 1**

**RELG 243 The World of the New Testament**

Religious and philosophical movements, besides Christianity, that flourished in Mediterranean world 200 B.C.E. to 200 C.E. Focus on "Greco-Roman" religions, Judaism, and Gnosticism.

**Unit(s): 1**

**RELG 244 Women in Judaism, Christianity, and Islam**

Explores the worlds of Jewish, Christian, and Muslim women with emphasis on a variety of theoretical and empirical approaches to the study of contemporary women's practices.

**General Education Requirement:** FSSA

**Unit(s): 1**

**RELG 247 Women and Christianity: Origins through Middle Ages**

Examines evidence related to the roles and activities of Christian women in the context of ideas, social norms, and cultural norms of their eras. Thematic attention to community; ritual; power and authority; virginity; marriage, motherhood, and other family ties; holiness; transgression; religious experience; women's relationship to the sacred.

**Unit(s): 1**

**RELG 250 Introduction to World Religions**

Survey of major beliefs, practices, symbols, and sacred texts in selected religious traditions.

**Unit(s): 1**

**RELG 251 Sacred Arts of India**

Introduction to Indian religions focusing on artistic expressions, roles of yoga and meditation in creativity, and use of images to experience the divine.

**General Education Requirement:** (FSVP)

**Unit(s): 1**

**RELG 253 Body/Sex in World Religious Literature**

Exploration of theoretical ideas about body and sexuality in world religious literature focusing on connection between sexuality and construction of identity in various religious perspectives.

**General Education Requirement:** (FSLT)

**Unit(s): 1**

**RELG 255 Queers in Religion**

Explores the treatment of queers in a number of religious traditions. Focuses on 1) recovered appreciation for queer identities from generally hostile religious traditions; 2) religious homophobia; and 3) religious traditions that celebrate queer identities in the form of sacred queer gender formations.

**General Education Requirement:** (FSLT)

**Unit(s): 1**

**RELG 257 Native American Religions**

Survey of selected themes in Native American religious history from prehistory through the new millennium. Will investigate development of complex religious traditions among the mound builder cultures of the southeast; rituals of trade, healing, and warfare among the Algonquian and Iroquoian peoples of the northeast; the emergence of native prophets and visionaries who employed religious doctrine and ritual in support of military actions against invading American settlers; and Black Elk and Lakota Catholicism. Concludes with topical discussion of religious challenges facing Indian communities today, including the controversial use of

the narcotic peyote in the Native American Church, debates over the status of Indian burial remains and sacred space, and the appropriation of indigenous spirituality by New Age gurus and environmentalists.

**General Education Requirement:** (FSHT)

**Unit(s):** 1

**RELG 258 Medieval Religious Thought**

History of European religious thought in the Middle Ages through reading and analysis of primary texts in translation, supplemented by interpretive materials drawn from secondary literature.

**General Education Requirement:** (FSHT)

**Unit(s):** 1

**RELG 259 Orientalism, Racism, and Religion**

By analyzing interpretations of selected religious texts, this course explores manifestations of racism and "orientalism"--a term coined to describe Western perceptions of another culture as static, backward, and passive. The "classics" of religious literature are particularly susceptible to interpretations that are racist or orientalist. This course is organized around several examples of such interpretations of particular religious classics. Topics may vary, but they will focus on specific moments of intense racist and/or orientalist interpretation: for example, Tokugawa Japanese readings of Shinto mythology, 20th century New Age appropriations of early Chinese "Daoist" and/or Buddhist texts, 19th century American racist readings of Genesis, and modern Hindu fundamentalist readings of ancient Vedic texts.

**General Education Requirement:** FSLT

**Unit(s):** 1

**RELG 260 History of Judaism**

Study of Judaism, which begins with the Babylonian Exile and the emergence of Torah. Focuses briefly on beliefs and practices of Judaism. Reviews various historical periods from Judaism's emergence to the modern era aided by a series of films, "Heritage: Civilization and the Jews." Considerable attention given to the historic relationship between Judaism and Christianity.

**General Education Requirement:** (FSHT)

**Unit(s):** 1

**RELG 262 Sacred Arts of Native America**

Introduction to a variety of sacred arts of Native America and religious roles that visual and performing arts serve in Amerindian settings. Students will gain conversance with a range of artistic techniques, materials, and objects and their cultural meanings.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**RELG 263 Religion and the Arts**

Interactions of religious beliefs and practices with the visual and performing arts in selected traditions.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**RELG 265 Religion and Moral Decisions**

Role of religion in shaping individual and social moral practices and beliefs. Emphasis given to role of social scientific theories and methods in interpretation of beliefs and institutions.

**General Education Requirement:** (FSSA)

**Unit(s):** 1

**RELG 267 Varieties of Christian Ethics**

Historical and contemporary approaches to ethics in the Christian traditions. Authors discussed may include Aquinas, Luther, Calvin, and contemporary thinkers on war, abortion, and sexuality.

**General Education Requirement:** (FSSA)

**Unit(s):** 1

**RELG 268 Religion and Literature**

Religious beliefs, practices, and institutions as expressed in literature of various traditions. Emphasis on modern and contemporary works.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**RELG 269 Ethics, Religion and the Environment**

Moral and religious issues that attend our life in and interaction with the environment. Through the detailed analysis of text and argument the course seeks to provide an overview of on-going issues and to foster the ability to read and assess arguments from a variety of positions.

**Unit(s): 1**

**RELG 273 Witchcraft and Its Interpreters**

Interdisciplinary exploration of witchcraft, popular magic, and demonic possession in early modern England and British North America based on original legal records and other primary sources. Special attention given to the Salem Witch-hunt and the historical methods employed by contemporary scholars.

**General Education Requirement:** (FSHT)

**Unit(s): 1**

**RELG 288 Saints and Sinners in Muslim Literature**

Explores the twin concepts of sainthood and sinfulness in Islamic thought and society from their early iterations to their later developments. Discusses how, when, and why the categories of Sunni, Shi'a, and Sufi developed in the Islamic tradition while introducing their relationships to concepts of sainthood and sinfulness. In the context of discussions about saints and sinners in the Islamic tradition, addresses Muslim understandings of God, humanity, and community and considers how these differ across time and place.

**General Education Requirement:** (FSLT)

**Unit(s): 1**

**RELG 293-294 Selected Topics**

Special course offered at introductory level when sufficient faculty or student interest exists in subject matter not covered in other religion courses. May be repeated for credit when topics vary.

**Unit(s): 1-1**

**RELG 331 The Hebrew Prophets**

Study of prophecy which sets this phenomenon within its ancient near eastern context. Focuses on nature of prophecy and the individual prophets of pre-exilic, exilic, and post-exilic derivation, giving emphasis to the distinctive message of each era. Studies an exegesis of the Book of Amos, both to clarify Amos as a prophet and to give indication of an exegetical approach possible for each of the prophets.

**Unit(s): 1**

**RELG 332 Hebrew and Christian Wisdom Literature**

Development of biblical wisdom literature. Pre-biblical, Hebrew, and Christian wisdom selections.

**Unit(s): 1**

**RELG 340 Varieties of Early Christianity**

The origins and interactions of major varieties of Christianity that flourished in first three centuries C.E.. Consideration of Pauline, Johannine, and Marcionite strands; Jewish Christianity; Gnosticism; Montanism; etc.

**Unit(s): 1**

**RELG 341 Paul and Christian Origins**

Writings of Paul, with emphasis on diversity and early history of Christian Church, its theology and milieu. Reactions to Pauline thought.

**Unit(s): 1**

**RELG 342 John in Early Christian Literature**

Early Christian writings attributed to or associated with John. Primary attention to Gospel of John, as well as the study of Letters, Acts, Apocalypse, and Apocryphon of John.

**General Education Requirement:** (FSLT)

**Unit(s): 1**

**RELG 343 Apocalyptic Visions of the End**

Origin and development of views concerning imminent end of world. Focus on Jewish and Christian traditions, with some attention to other strands.

**Unit(s): 1**

**RELG 344 Early Christianity and Social Identity**

Analyzes constructions of early Christian identities as they intersect with other social identities (e.g., social status, race/ethnicity, family, gender); the role of violence in constructing identities; and emergence of new forms of social identity (e.g., monasticism). The timeframe extends from first-century Pauline communities until late antiquity.

**Unit(s): 1**

**RELG 345 Christianity and Slavery, Ancient and Modern**

Considers the impact of slaveholding culture on Christian thought and practice both in antiquity and in the Americas; also analyzes the circumstances under which individual Christians and church



communities accommodated, reformed, resisted, and rejected slaveholding practices.

**Unit(s): 1**

**RELG 352 Buddhism in India and Tibet**

Survey of major historical movements, philosophical developments, and cultural expressions in India and Tibet.

**Unit(s): 1**

**RELG 355 Selected Asian Religions**

Intensive study of one of the following religious traditions: Daoism, Confucianism, or Zen.

**Unit(s): 1**

**RELG 356 Religious Thought of the Renaissance and Reformation**

Investigates the varieties of religious thought from the 14th to the early 17th centuries, with an emphasis on ideas and arguments in their social and intellectual context.

**Prerequisite(s):** Religion 258 or permission of instructor.

**Unit(s): 1**

**RELG 358 Topics in American Religious Traditions**

Focused study of a selected topic in American religious history such as the Great Awakening, Indians and missionaries, religious autobiography, or the frontier. Seminar format emphasizing the analysis of primary sources and related methodological issues. May be repeated for credit when topics vary.

**Unit(s): 1**

**RELG 359 American Judaism**

Emphasis on role of Jewish people beginning with their entrance into New Amsterdam in 1654; major immigration periods and precipitating factors; emergence of anti-Jewish reactions; and some contributions of Jews.

**Unit(s): 1**

**RELG 360 Goddess Traditions Ancient and Modern**

Survey of major prehistoric and historical goddesses and exploration of contemporary relevance of goddess spirituality.

**Unit(s): 1**

**RELG 362 Religion and Its Critics**

Selected topics and authors in European thought from the 17th century to the 21st. Topics include religion and the rise of science, theism and atheism, evolution, and the "neo-orthodoxy" of Karl Barth.

**Unit(s): 1**

**RELG 364 Religion and Psychology**

(See Psychology 351.)

**Unit(s): 1**

**RELG 365 Philosophical Problems in Comparative Religion**

Examination of philosophical problems in cross-cultural communication, particularly translation, rationality and relativism. May be repeated for credit when topics vary.

**Unit(s): 1**

**RELG 366 Buddhist Philosophy**

Major Buddhist philosophical developments, beginning in India and culminating in contemporary Zen philosophy.

**Unit(s): 1**

**RELG 367 Topics in Western Religious Thought**

Selected issues and figures in Western Religious Thought, such as Augustine of Hippo, Thomas Aquinas, 12th Century Renaissance, Religion and the Sciences, and Medieval Religious Orders. May be repeated for credit when topics vary.

**Unit(s): 1**

**RELG 369 Problems in Social Ethics**

Selected issues of social concern as addressed by various religious traditions in contemporary context. Such topics as sexuality, war, abortion, euthanasia, and environmentalism. May be repeated for credit when topics vary.

**Unit(s): 1**

**RELG 370 Leadership and Religious Values**

(See Leadership 387.)

**Unit(s): 1**

**RELG 374 Religion and the American Environment**

Advanced seminar course exploring representations of the natural world in American cultural history from the era of contact through the nineteenth century. Readings consist of primary sources--landscape paintings, novels, philosophical treatises, poems, sermons, and travel literature--as well as secondary studies of these works by leading scholars in the fields of Anthropology, Art History, Environmental History, Intellectual/Cultural History, Literature, and Religious Studies. Topics covered may include Native American environmental practices, Puritanism and the concept of "wilderness," the place of nature in early American travel narratives and novels, the Hudson River School of landscape painters, and American Transcendentalism.

**Unit(s):** 1

**RELG 375 Cults, Communes and Utopias in Early America**

Advanced study of early American sectarian movements, including the 'immortalists' of New England, the Ephrata Cloister, the Mormons, the Shakers, and the Oneida Community, based on their original writings, literature, music, art, and architecture. Participants design and execute a research project based on Boatwright Library's extensive collection of Shaker manuscripts.

**Unit(s):** 1

**RELG 388 Individual Internship**

Application of academic skills and theories in placement supervised by religious studies department faculty member. Application must be presented to and approved by the department prior to internship. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Unit(s):** .25-1

**RELG 393-394 Selected Topics**

Special course offered when sufficient student interest exists in subject matter not covered in other religious studies courses. May be repeated for credit when topics vary.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** 1-1

**RELG 395-396 Independent Study**

Specialized study to provide maximum freedom in research and investigation.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .25-1

**RELG 400 Majors Seminar**

Advanced seminar on the theory of religion, intended to make the most of students' shared interest as majors. Will introduce (or enhance understanding of) standard scholarly methods used to study religion as a social phenomenon. Goal is to develop the theoretical/methodological foundation for the senior thesis in a manner befitting someone who will take a major in the field.

**Unit(s):** 1

**RELG 401 Majors Colloquium**

Senior religious studies majors and members of the department will meet to discuss ongoing research projects, including issues of theory, method, sources, and critical analysis, leading to the senior paper. Offered in the spring only.

**Prerequisite(s):** Religion 400.

**Unit(s):** 1

**RELG 403-404 Honors Course**

Guided, in-depth research, usually beginning in the fall of the senior year and culminating in the oral defense of the honors thesis in the spring, for those accepted in the department honors program. The honors thesis constitutes the senior paper. Those planning to complete coursework in December must make arrangements to complete the honors program in or before the fall of the senior year.

**Prerequisite(s):** Student must be invited to apply for honors.

**Unit(s):** 1-1

**RELG 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and

Sciences fellowship by faculty mentor

**Unit(s):** 0

## Rhetoric and Communication Studies

### Department of Rhetoric and Communication Studies

*Mari Lee Mifsud, Chair*  
*Associate Professors Johnson, Mifsud, Achter, Tonn*  
*Assistant Professor Maurantonio*  
*Director of Speech Center Hobgood*  
*Director of Debate Kuswa*

### The Rhetoric and Communication Studies Major

**Note:** The grade point average in the major must be 2.0 or higher, with no course grade below a C- (1.7) counting toward the major. Prior to admission to the major a grade of C+ (2.3) or higher must be achieved in RHCS 103 and 104, or permission from the department must be obtained to declare the major.

10 units, including  
 RHCS 103 Rhetorical Theory  
 RHCS 104 Interpreting Rhetorical Texts  
 RHCS 295 Topics in Research (repeated for a total of 2 units)  
 RHCS 490 Senior Capstone  
 One 100- OR 200-level elective  
 Four 300- OR 400-level electives, one of which may be taken outside of the department if approved by advisor after the major has been declared.

**Note:** RHCS 412 Seminars and RHCS 295 Topics in Research may be counted more than once toward the major. No more than one unit each of internship and independent study may count toward the major. Internships are strongly recommended and are graded pass/fail. Practicum credits will not count toward the major and are graded pass/fail.

### The Rhetoric and Communication Studies Minor

**Note:** The grade point average in the minor must be 2.0 or higher, with no course grade below a C- (1.7) counting toward the minor. Prior to admission to the minor a grade of C+ (2.3) or higher must be achieved in RHCS 103 and 104, or permission from the department must be obtained to declare the minor.

6 units, including  
 RHCS 103 Rhetorical Theory  
 RHCS 104 Interpreting Rhetorical Texts  
 RHCS 295 Topics in Research  
 Three 300- or 400-level electives

**Note:** No credit toward the minor will be awarded for internships or practica.

### Honors Program

The Honors Program is designed for outstanding students with intellectual initiative and the desire to pursue academic achievement beyond the level of standard course work. Its purpose is to provide these students the opportunity to broaden and deepen their knowledge of the major field.

### Eligibility and Admission

To be eligible for admission to the Honors program a student should have:

1. 18.5 or more units of completed work
2. A cumulative grade point average of at least 3.3;
3. 3.5 or more units in the major field (exclusive of courses primarily for freshmen) with evidence of distinguished achievement.

A student who does not meet these qualifications may be admitted to the Program with the special recommendation of the major department and the approval of the Faculty Committee on the Honors Program.

Students may request consideration by their department, or departments may invite a student to apply.

Each application will include a program of study planned in consultation with the major department and will indicate specifically how the student's Honors Program is to be accomplished. The application, along with an advising copy of the student's transcript, will then be presented by the department to the Faculty Committee on the Honors Program by about November 15th for the fall term applicant and by about March 15th for the spring term applicant.

### Program of Study

Each student's program of study will include at least 3.5 units of Honors course work and must meet all Honors requirements set by the major department. Course work may include Honors seminars, Honors independent/directed study courses in which the student meets at least weekly with one or more professors, Honors research courses, and standard courses taken for Honors credit. Standard courses taken for Honors credit may be either (1) courses in the student's regular course of study that require extra work of a kind approved by the departmental Honors committee or (2) courses, approved by the departmental Honors committee, in the student's area of study, that are in addition to any departmental major requirements. Courses of type (1) are the norm. Any program that wishes to incorporate courses of type (2) as part of their Honors requirements must submit significant justification for approval by the Faculty Committee on the Honors Program. No more than two courses may be standard courses taken for Honors credit (and with work appropriate to Honors status).

To demonstrate superior achievement, Honors students are normally required to submit a written Honors thesis to the major department in time for a final grade to be submitted to the registrar. At the discretion of the major department an alternative work that presents a comparable challenge to intellectual initiative and academic achievement may be substituted. All thesis work should be read and evaluated by more than one reader and, if appropriate, presented publicly in a departmental or Arts and Sciences forum. Departments may also require that students pass written and / or oral comprehensive examinations.

All Honors students are to maintain a grade point average of at least 3.3 while participating in the program. Exceptions require approval by the Faculty Committee on the Honors Program.

If at any time the student or the major department decides that Honors work should not continue, the department should submit a request for withdrawal to the Faculty Committee on the Honors Program.

### **Recognition of Honors Work**

A student who successfully completes the Honors Program will receive the degree with Departmental Honors, to be noted on the student's permanent record along with the title of the Honors Thesis or comparable work. The student's diploma and the Commencement Program will also indicate

achievement of Departmental Honors, and the Honors Thesis or equivalent will be preserved in a separate collection in Boatwright Library.

### **Courses**

#### **RHCS 100 Public Speaking**

Introduction to the art of public speaking. Students will learn the classical canons of rhetoric: the arts of invention, disposition, style, memory, and delivery. Emphasis is placed on the design and delivery of speeches.

**Unit(s): 1**

#### **RHCS 102 Interpersonal Communication**

Survey of theory and practice relating to one-to-one communication. Exploration of role of communication and meaning in development of self, perceptions, and relationships. Introduction to social scientific study of communication. Includes lab-based practicum.

**General Education Requirement: (FSSA)**

**Unit(s): 1**

#### **RHCS 103 Rhetorical Theory**

Introduction to theoretical study of rhetoric where we learn to think about language, speech, argument, and symbolic action at large as social forces, influencing how we perceive ourselves and others, how we understand our relationship to local and global communities, and how we address important issues in politics, law, and culture.

**Unit(s): 1**

#### **RHCS 104 Interpreting Rhetorical Texts**

Introduction to critical interpretation of rhetorical texts such as speeches, written arguments, and various media. Topics covered may include audience analysis, lines of reasoning, logical fallacies, modes of proof, evidence types, generic forms, and visual vocabularies.

**Unit(s): 1**

#### **RHCS 105 Media, Culture, and Identity**

Basic theoretical frameworks and concepts in media studies. Through close analysis of a variety of texts including, but not limited to, films, music, television programs, newspapers, magazines, and websites, explores the ways in which culture is produced and consumed. Case studies and other examples will

provide entry points into thinking about how culture shapes and also is informed by individual and collective identities.

**Unit(s):** 1

**RHCS 201 Argumentation and Debate**

In-depth introduction to principles of public advocacy. Emphasizing both theory and skills, the course includes casewriting, presentation, analysis, refutation, cross-examination, and logical fallacies.

**Unit(s):** 1

**RHCS 221 Business and Professional Speech**

Making the business presentation and giving the corporate advocacy speech. Application to workplace of skills in listening, problem solving, interviewing, conducting meetings.

**Prerequisite(s):** Rhetoric and Communication Studies 101.

**Unit(s):** 1

**RHCS 295 Topics in Research**

These topical courses focus on theory and practice of selected research methods (e.g. rhetorical criticism, ethnography, interview and survey methods, etc.), providing students with critical understanding of published research, a grounding in research methodology, and a working knowledge of the research process. Majors are required to take two units of RHCS 295, minors one unit. May be repeated for credit when topics differ.

**Unit(s):** 1

**RHCS 300 Communication Theory**

Survey of leading human communication theories put forward in varied areas of communication behavior, including interpersonal, group, and public communication.

**Prerequisite(s):** Rhetoric and Communication Studies 102.

**Unit(s):** 1

**RHCS 302 Advanced Theories in Interpersonal Communication**

In-depth exploration of specific theories in area of interpersonal communications. Will focus on role of communication in creating, maintaining, repairing, and transforming individual's sense of self and other. From this foundation, students will explore essence

of dialogue through works of Buber, Bakhtin, Arnett, and Baxter.

**Unit(s):** 1

**RHCS 323 Classical Rhetoric**

Roots of modern rhetorical theory in writings of Greek and Roman teachers of rhetoric.

**Unit(s):** 1

**RHCS 325 Medieval to Modern Rhetorics**

Introduction to nature, scope, function and value of rhetorical theory in Medieval, Renaissance, and Enlightenment cultures. Key figures include St. Augustine, Boethius, Trebizond, Peter Ramus, Giambattista Vico, George Campbell, Hugh Blair, and Richard Whately.

**Unit(s):** 1

**RHCS 327 Contemporary Rhetorical Theory**

Survey of leading contemporary rhetorical theories/theorists.

**Unit(s):** 1

**RHCS 332 Practicum**

Understanding communication through practical oral performance, debate, oral interpretation, public address. Fifty hours of work for one quarter unit of practicum credit. Includes research and written work appropriate to the speech activity involved. Two units maximum credit. Graded pass/fail only. Does not count for rhetoric and communication studies major or minor.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25-1

**RHCS 333 Theory and Pedagogy**

For students who have successfully applied for positions as student consultants and speech fellows at the speech center.

**Unit(s):** 1

**RHCS 340 Culture and Communication**

Engages students in an inquiry into the rhetorical and communicative dimension of culture. Includes exploration of cultural performance ranging from popular culture in various media to the public memorials, rituals, and institutions that shape norms of culture. Also explores the rhetoric of elements of culture such as race, class, gender, and sexual

orientation.

**Unit(s):** 1

**RHCS 341 Speech Writing**

History of professional speech writing from classical times to present. Attention to status and impact of modern political and business speech writers. Emphasis on writer/speaker relationship, audience analysis, speech structure, use of data, and writing in an oral style.

**Prerequisite(s):** Rhetoric and Communication Studies 101.

**Unit(s):** 1

**RHCS 342 Gender and Communication**

Focus on how gender is constructed and communicated in our daily lives through influences and institutions such as interpersonal relationships, the family, media, education, and religion. Theoretical work, empirical research, personal experiences, and media all will be utilized in discussions of gender and its impact on everyday interactions. Students will explore major theoretical developments concerning gender and communication from varied perspectives and disciplines.

**Unit(s):** 1

**RHCS 343 Rhetoric and Politics**

Analysis of American political systems from rhetorical perspective using several theoretical frameworks and applied research. Examine interpretive processes on which political arguments and ideologies are based. Study impact of language on issues, candidates, and campaigns. Develop perspective of government's role in the "ongoing conversation" of politics and evaluate rules, choices, and strategies employed in different political arenas.

**Prerequisite(s):** Rhetoric and Communication Studies 101.

**Unit(s):** 1

**RHCS 345 Rhetoric of Terrorism, (In)Security and the State**

Focusing on interactions between the West and the Middle East as well notions of domestic terrorism to provide primary sets of examples and case-studies, this course expands student perspectives and broadens their bases of information regarding violence, terrorism, and homeland security. What is violence? Is it avoidable? Can it ever be justified?

Does terrorism operate exclusively through fear? Can speech be violent, "terroristic" or fear-inducing? How does a rhetorical perspective tie together the symbolic and the real? What is security and how can it be achieved? These and other questions will be addressed.

**Prerequisite(s):** Rhetoric and Communication Studies 101.

**Unit(s):** 1

**RHCS 347 Advertising and Consumer Culture**

Critical approach to the study of advertising and consumer culture, challenging students to reconsider entrenched assumptions and ideas about advertising and consumer culture more broadly. Issues of representation, production, reception, and citizenship, considering the material advertisement as well as its relationship to individuals and larger institutional structures. Application of theoretical concepts to historical and contemporary advertisements and objects of consumer culture. Application of different methodological approaches to the study of advertising including ethnography, focus groups, and textual analysis.

**Unit(s):** 1

**RHCS 349 Memory and Memorializing in the City of Richmond**

Examines various sites of memory production (i.e. films, museums, monuments) -- how they have been conceptualized and debated -- and asks students to consider memory not only as an entity used in reconstructing the past but capable of being reconstructed itself. Over the course of the semester, students may take several field trips to historical sites and museums throughout the city of Richmond to experience how memory is reproduced and to consider alternate ways of crafting narratives of the past.

**Prerequisite(s):** Determined by instructor.

**Unit(s):** 1

**RHCS 351 20th Century Media History**

Considers the ways in which mass media have impacted the trajectory of 20th century political and social movements, family life, leisure, and nationalism, among other topics. By questioning the role played by communication technologies within a recent historical context, this class will encourage students to forge connections between issues confronted over the course of the twentieth century



and the present day. Through analyses of texts including, but not limited to, songs, IMs, television programs, and radio broadcasts, students will explore the transformations and continuities of the media landscape and its surrounding context.

**Unit(s):** 1

**RHCS 353 Rhetoric and Law**

Inquiry into the law from rhetorical perspectives, using the history and theory of rhetoric and its long-standing association with law and justice. Examination of interpretive processes on which legal arguments and ideologies are based. Exploration of the language of legal argument, court decisions, and of the role of rhetoric and the law in shaping of public life and social justice.

**Prerequisite(s):** Rhetoric and Communication Studies 101.

**Unit(s):** 1

**RHCS 355 Rhetoric, Media, and U.S. Feminism 1830s-1980**

A feminist/critical approach to the rhetoric surrounding the early women's rights movement beginning in the 1830s through 1920 and the women's liberation movement starting in the early 1960s through 1980 approximately. General foci include 1) treatment of women's rhetorical history and social, legal, religious, and psychological obstacles inhibiting their agency and 2) critical treatment of various strategies used by female rhetors to advance their causes. Speeches, essays, conventions, journals, newsletters, parades, and demonstrations may be considered as rhetorical forms.

**Unit(s):** 1

**RHCS 359 Media and War**

Engages students in an inquiry into the rhetorical and communicative dimension of war in the twenty-first century.

**Unit(s):** 1

**RHCS 361 Rhetoric, Media, and the 1960s**

Examination of political rhetoric of the 1960s including presidential rhetoric and the rhetoric of various social movements: civil rights, anti-war, women's liberation, American-Indian, gay and lesbian, among others. Also explored is the role of the media as shaper and filter of events and as target for diverse audiences to court, exploit, and challenge.

Speeches, essays, books, art, television, film, fashion, music, and demonstrations may be explored as rhetorical forms.

**Prerequisite(s):** 1

**Unit(s):** 1

**RHCS 387 Independent Study in Rhetoric**

No more than one unit of independent study may count toward the major or minor.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .25-1

**RHCS 388 Individual Internship**

Practical application of speech communication principles and skills in a supervised, out-of-class environment. Graded pass/fail only. No more than one unit of internship may count toward rhetoric and communication studies major. Open to majors and minors only, but does not count toward the rhetoric and communication studies minor. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Faculty approval before beginning work.

**Unit(s):** .25-1

**RHCS 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**RHCS 412 Communication Studies Seminar**

Special topics courses allow for advanced inquiry and research in Rhetoric and Communication Studies.

**Unit(s):** 1

**RHCS 490 Senior Capstone**

Capstone experience for rhetoric and communication studies majors examining major themes of interrogation relevant to scholars across the discipline. Themes range across questions of communication and culture, identity, power, agency, language, behavior, performance, and ethics. Weaves together theories and histories to provide students with a culminating and integrative experience in the major. Student work will focus on critical response to selected questions, presentation of a six- to eight-minute extemporaneous speech in defense of a thesis, and additional defense of the thesis in a question and answer session with a faculty panel.

**Prerequisite(s):** Senior standing. Rhetoric and communication studies majors only.

**Unit(s):** 1

### **RHCS 498-499 Honors Thesis Writing**

Advanced research and writing opportunity for departmental honors students. Requires completion and presentation of honors thesis.

**Prerequisite(s):** Participation in department honors program.

**Unit(s):** 1-1

## **Russian Studies Program**

### **Department of Modern Literatures and Cultures**

*Yvonne Howell, section coordinator*  
*Professor Howell*  
*Associate Professor Troncale*  
*Affiliated Faculty: David Brandenberger (History),*  
*Jeffrey Hass (Sociology)*

This section contains information specific to the degree program in Russian studies. For full information regarding departmental policies relevant to all the MLC degree programs, study abroad and course sequencing, see the main page of the Department of Modern Literatures and Cultures.

### **Study Abroad**

Study and travel abroad are strongly encouraged for all students. Russian studies students can take advantage of a semester or year academic program at Smolny/Bard College in St. Petersburg, Russia, as

well as summer programs in St. Petersburg and Prague, Czech Republic.

### **The Residency Requirement**

For all Russian majors, at least 5 of the 9 courses required for the major must be taken on the University of Richmond campus. If the student participates in a study abroad program, at least one upper-level course in the major must be taken upon return from the program.

### **The Russian Studies Major**

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.7).

9 courses including

Two courses in Russian at the 300 level or above  
 Seven courses chosen from the list below (NOTE: CLAC in Russian is required for four of the courses taken in English. No more than one unit of CLAC may be counted towards the 35 units required for the degree.)

MLC 260 Topics in East European Literature  
 MLC 321 Introduction to 19th-Century Russian Literature  
 MLC 322 Introduction to 20th-Century Russian Literature  
 MLC 331 Russian Cinema  
 MLC 332 Conscience and Consciousness in 19th-Century Russian Painting  
 MLC 335 Bombs, Bolsheviks, Ballet: Soviet Culture and Civilization  
 MLC 497 Selected Topics (with approval of Russian studies major advisors)  
 HIST 236 Russian Empire, USSR and After  
 HIST 237 The Last Soviet Generation  
 HIST 246 Russian Revolution  
 HIST 324 Text and Context: Anna Karenina and Her World  
 Elective in Russian at the 300 level or above  
 Up to three area-related courses selected from other departments (e.g., art history, political science, sociology, etc) can be substituted for courses in the above list with advance consultation and permission of Russian studies major advisor.

### **Related Fields**

- Combined major in English and Russian literature
- International Studies: Modern Europe
- International Studies: World Politics and Diplomacy

### The Russian Studies Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.70).

5 courses including  
Two 300- or 400-level courses in Russian  
Three courses chosen from the list above, with CLAC in Russian for courses taken in English

### Courses

#### **RUSN 101-102 Elementary Russian**

Introduction to Russian language and culture.

**Prerequisite(s):** Russian 101 is prerequisite to 102. Must be taken with Russian 103-104.

**Unit(s):** 1-1

#### **RUSN 103-104 Elementary Russian Conversation**

Introduction to Russian language and culture.

**Prerequisite(s):** Must be taken together with Russian 101-102.

**Unit(s):** .5-.5

#### **RUSN 201-202 Intermediate Russian**

Active practice and reinforcement of language skills and study of culture.

**Prerequisite(s):** Russian 102 or permission of department. Russian 201 is prerequisite to 202. Must be taken with Russian 203-204.

**General Education Requirement:** (202 only, COM2)

**Unit(s):** 1-1

#### **RUSN 203-204 Intermediate Russian Conversation**

Intensive training to develop practical communicative skills and accelerate oral proficiency.

**Prerequisite(s):** Must be taken with Russian 201-202

**Unit(s):** .5-.5

#### **RUSN 301 Russian Conversation**

Emphasizes development of spoken Russian and comprehension of contemporary Russian within cultural context.

**Prerequisite(s):** Russian 202 or permission of department.

**Unit(s):** 1

#### **RUSN 311 Readings in Russian Cultural Studies**

Introduction to historical and contemporary issues in Russian culture. Topics include concepts and methods used in Russian cultural studies of Russian identity, traditions, and transitions. Primary and secondary materials place practical emphasis on vocabulary building and the development of written compositional skills. Analysis and discussion of primary texts.

**Prerequisite(s):** Russian 301 or permission of instructor.

**Unit(s):** 1

#### **RUSN 388 Individual Internship**

Internship experiences outside of the department in fields related to Russian studies. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Permission of department.

**Unit(s):** .5-1

#### **RUSN 389 Practice Assistantship**

Students lead practice sessions associated with the elementary and intermediate language sequence in Russian. The practice assistantship does not count as credit toward the major or minor. Up to one unit can be applied toward graduation credit.

**Prerequisite(s):** Departmental approval

**Unit(s):** .25

#### **RUSN 401-402 Advanced Russian**

Discussion in Russian at advanced level of selected topics and readings in Russian literature.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** 1-1

**RUSN 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**RUSN 420 Readings in Russian Literature**

Analysis and discussion of primary Russian texts. Topics vary by semester. May be repeated up to three times with different course material.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** 1

**RUSN 495 Independent Study**

Special projects individually pursued under supervision of faculty member.

**Prerequisite(s):** Permission of department.

**Unit(s):** .5-1

**RUSN 497 Selected Topics**

Special interest topics offered at department's discretion.

**Prerequisite(s):** Permission of department.

**Unit(s):** 1

**RUSN 498 Senior Research Project I**

Consultation with faculty mentor and selection of Russian studies topic for senior research project.

**Prerequisite(s):** Senior standing.

**Unit(s):** 0

**RUSN 499 Senior Research Project II**

Completion and presentation of an independently researched paper on Russian studies topic.

**Prerequisite(s):** Senior standing.

**Unit(s):** .5

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## School of Continuing Studies

*James Narduzzi, Dean*

### Courses

SCS 999

**School of Continuing Studies Course**

Courses with the SCS subject code are taught through the University's School of Continuing Studies. They are cross listed in the undergraduate School of Arts and Sciences. For descriptions of specific courses, see the School of Continuing Studies catalog.

.86 Unit(s)

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## Sociology

### Department of Sociology and Anthropology

*Carol Wharton, Chair*

*Associate Professors Hass, Neff, Nourse, Obi, Wharton*

*Assistant Professors French, Ransom, Baykal, Briddell, Richards*

*Professionals from the field also are employed as adjunct faculty. Upper-level courses are taught on a rotating basis.*

Sociology is the systematic study of social life in order to understand the causes and consequences of human action. Sociologists study the structure and processes of modern, industrial societies. They examine how social structures (groups, organizations, and communities) and social institutions (family, education, religion, etc.) affect human attitudes, actions, and life-chances. Sociologists use various theoretical perspectives to understand such areas as culture, socialization, conformity and deviance, inequality, family patterns, race and ethnic relations, and social change. Combining theoretical perspectives with empirical research allows constant testing and refinement of the body of knowledge that comprises the field of sociology. Sociology offers students an opportunity to develop new insights and a different perspective on their lives and to understand everyday social life as a combination of both stable

patterns of interaction and ubiquitous sources of social change.

### The Sociology Major

**Note:** The grade point average of the sociology coursework comprising the major must be no less than 2.00 with no course grade below C- (1.7).

10 units, including

SOC 101 Foundations of Society: Introduction to Sociological Analysis  
 SOC 211 Sociological Research Methods and Data Analysis  
 SOC 221 Sociological Theory  
 One unit from each of the three areas of concentration and three additional units, selected in consultation with the student's major advisor  
 SOC 401 Capstone Experience

*Notes:*

- Upper-level courses are taught on a rotating basis.
- Completing at least three units in one area constitutes a concentration in that area.
- Only one 200-level course may be taken within any single concentration.
- No more than two 200-level courses, excluding SOC 211 and SOC 221, may be taken for credit toward the sociology major.
- No more than two anthropology courses may be counted towards the major.
- Students must earn a grade of C- or better in either SOC 211 or SOC 221 in order to take 300 or 400-level sociology courses.
- For the sociology major no more than three courses (two courses for the sociology minor) may be taken at other institutions, including study abroad institutions.
- Students are expected to fulfill all prerequisites necessary for courses within the major/minor. Prerequisites do not count toward the major/minor unless otherwise noted.

### The Sociology Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C- (1.7). A maximum of two courses may be taken at another accredited institution or through an approved study abroad program, with departmental approval.

6 units, including

SOC 101 Foundations of Society: Introduction to Sociological Analysis  
 SOC 211 Sociological Research Methods and Data Analysis  
 SOC 221 Sociological Theory  
 3 elective units, chosen from the three areas of concentration within the sociology major, with a minimum of 2 from the 300 level

*Notes:*

- Upper-level courses are taught on a rotating basis.
- No more than one 200-level course, excluding SOC 211 and SOC 221, may be taken for credit towards the sociology minor.
- No more than one anthropology course may be counted towards the minor.
- Students must earn a grade of C- or better in either SOC 211 or SOC 221 in order to take 300 or 400-level sociology courses.
- SOC 326, 388, and 389 may not be counted toward the sociology minor.

### Concentrations

#### *Power, Inequality and Diversity*

SOC 216 Social Inequalities  
 SOC 218 Sociology of the Black Experience  
 SOC 279 Selected Topics (as approved by the department)  
 SOC 302 Social Movements  
 SOC 304 Power, Control and Resistance  
 SOC 316 Race and Ethnicity  
 SOC 319 Social Constructions of Gender and Sexuality  
 SOC 320 Race, Class, and Schooling  
 SOC 379 Selected Topics (as approved by the department)  
 ANTH 279 Selected Topics (as approved by the department)  
 ANTH 300 Sexuality and Gender Across Cultures  
 ANTH 336 Politics, Power and Ritual  
 ANTH 350 Sex and Gender in the Middle East  
 ANTH 379 Selected Topics (as approved by the department)

#### *Regional and Global Studies*

SOC 230 Introduction to Africa: The Sociology of Africa  
 SOC 231 Across the Pond: Europe vs. USA  
 SOC 232 Postsocialism in Russia and Eastern Europe  
 SOC 233 Understanding Globalization  
 SOC 279 Selected Topics (as approved by the department)



SOC 335 Feast and Famine: Inequalities in the Global Food System  
 SOC 379 Selected Topics (as approved by the department)  
 ANTH 279 Selected Topics (as approved by the department)  
 ANTH 307 Indigenous Peoples of the Americas  
 ANTH 308 Latin America: An Ethnographic Perspective  
 ANTH 338 Africa: Cultural Change in a Post-Colonial Setting  
 ANTH 340 Southeast Asia: Cultural Representations  
 ANTH 360 Power and Society in the Middle East  
 ANTH 379 Selected Topics (as approved by the department)  
***Social Institutions and Structures***  
 SOC 207 Crime and Justice in a Post-Modern Society  
 SOC 255 Sport in Society  
 SOC 279 Selected Topics (as approved by the department)  
 SOC 303 Sociology of Families  
 SOC 305 Conformity, Deviance and Institutions of Social Control  
 SOC 311 Juvenile Delinquency  
 SOC 324 Law and Society  
 SOC 330 Science, Technology, and Society  
 SOC 379 Selected Topics (as approved by the department)  
 ANTH 279 Selected Topics (as approved by the department)  
 ANTH 302 Medicine and Health from a Global/Anthropological Perspective  
 ANTH 304 Ritual, Witchcraft and Divination  
 ANTH 328 Anthropology of Human Rights  
 ANTH 335 Law and Order: The Anthropology of Justice  
 ANTH 379 Selected Topics (as approved by the department)

### **Honors Program**

The goal of the Sociology honors program is to give those students with superior interests and talents in the field to explore both sociology and personal intellectual interests and themes beyond the limits of typical courses offered. This will prepare these advanced students for possible graduate work or more advanced career prospects. Successful completion of the Honors Program is shown on the student's permanent academic record and on the diploma.

### **Eligibility and Admission**

To qualify for the honors program in Sociology, a student should have:

1. 18.5 or more units completed overall
2. At least a 3.30 cumulative grade point average for all courses
3. Excluding coursework primarily for first-year students, 4 or more units completed with distinction in the major field and a 3.5 cumulative grade point average for Sociology courses

To enter the honors program, the student must submit a letter of intent, with nominating support from one faculty member, by March 15 of his or her junior year. These materials must be submitted to the department's Honors Committee coordinator for inspection, after which the chairperson and student discuss the details and demands of the honors program.

A student who does not meet these qualifications may be admitted to the Program with the special recommendation of the department and the approval of the Faculty Committee on the Honors Program.

Students may request consideration by their department, or the department may invite a student to apply.

### **Program of Study**

To receive credit for the Honors Program, the student must:

- Fulfill the normal BA requirements for Sociology, with required Theory & Methods courses (Sociology 221 and 211) completed by the end of the junior year to facilitate work on the senior thesis (see below). There are two additional upper-level one-unit courses (one of which can be outside the department and must be related to the topic of the senior thesis), and independent study for the senior thesis (see below), to be completed by the end of the senior year. (This will allow juniors with a clear program of study to take a useful course that might not be offered in his or her senior year.) The program of study for Honors is 12 units (10 units for the BA + 2 units for Honors Independent Study).
- Complete a senior thesis that addresses an original question or issue and that produces



some original research (so as not to be a pure literature review of existing work). The thesis should be data-driven and demonstrate a grasp of existing literature and theory related to the issue at hand. While the senior thesis need not explicitly test sociological theory, it should engage relevant theory and not be purely empirical (although a purely empirical thesis is permissible if the student's advisor deems the project of having scholarly value). In preparation for undertaking the senior thesis, the student must agree with a faculty member, whose interests and expertise have the best possible fit with the student's intended thesis topic, to be his or her advisor for the thesis. The student and advisor should devise a basic plan for the project by the end of the spring semester of the junior year.

- For credit for the thesis, the student will take two one-unit Honors courses in the senior year, both involving work on the senior thesis: Honors Independent Study (autumn) and Honors Thesis (spring). This will involve at a minimum meeting once a week with the thesis supervisor to discuss and monitor progress in data collection, analysis, and write-up. (The former will involve monitoring and assessing progress in data collection and analysis through regular reports--the timetable depending on the particular project, in agreement with the student and advisor. Assessment for the latter will be the thesis product itself.) The thesis will be due in time for a final grade to be submitted to the registrar--preferably the Friday before the School of Arts & Sciences Student Symposium (April). The grade for the independent study is that for the senior thesis. The department encourages students who are prepared sufficiently early to apply for a University summer grant to facilitate research. This 2-unit combination is in addition to the 10 units required for the Sociology BA.
- The senior thesis will be assessed and graded by the student's thesis advisor and the chair of the Honors Program. If one person fulfills both these roles, an outside person whose expertise is sufficiently close to the thesis topic will be asked to aid with assessment. In case of disagreement, another member of the department will be asked for his/her opinion on the appropriate grade to resolve the disagreement.

- The student must take two standard one-unit upper-level courses for Honors credit that include additional extra work agreed upon by the student, the course instructor, and the Honors program coordinator. One of those must be related to the intended senior thesis topic. This one course may be in any department, but in any case it should meet with the approval of the student's thesis advisor or Honors Program chair.

The student may withdraw at any time. Should he/she not complete required additional work or maintain an overall 3.3 grade point average and a 3.5 grade point average for Sociology coursework, the student will not receive credit for the Honors Program, and the department will submit a request for withdrawal to the Faculty Committee on the Honors Program.

The department will encourage students in their junior year who appear qualified to consider the Honors Program seriously as soon as possible, to facilitate preparation for the senior thesis and any required summer work/research.

The Honors program coordinator will meet with participating students no less frequently than one time per month (or via e-mail or other means of communication in the summer) to assess progress. The student and his/her advisor should develop a schedule for meetings and assessment they find most appropriate.

## Courses

### **SOC 101 Foundations of Society: Introduction to Sociological Analysis**

Fundamental concepts and principles of sociology. Culture, socialization, social structure, stratification, social control, institutions, population, and social change.

**General Education Requirement:** (FSSA)

**Unit(s):** 1

### **SOC 207 Crime and Justice in a Post-Modern Society**

Prevalence and distribution of crime, theories of crime, forms of criminal behavior, overview of the criminal justice system.

**Prerequisite(s):** Sociology 101.

**Unit(s):** 1

**SOC 209 Social Problems**

Sociological examination of major social problems. Emphasis is on the structural causes, manifestations, patterns, consequences, and policy dimensions of social problems.

**Prerequisite(s):** Sociology 101 or permission of instructor.

**Unit(s):** 1

**SOC 211 Sociological Research Methods and Data Analysis**

Introduction to the major methods of conducting sociological research with a primary emphasis on quantitative data collection and analysis.

**Prerequisite(s):** Sociology 101 or Anthropology 101 with a grade of C- or better and MATH 119, PSYC 200, or BUAD 201 with a D- or better.

**Unit(s):** 1

**SOC 216 Social Inequalities**

Examination of how class, race, and gender structure everyday life experiences and social institutions.

**Prerequisite(s):** Sociology 101.

**Unit(s):** 1

**SOC 218 Sociology of the Black Experience**

Focuses primarily on understanding the social realities of people of African descent living in the United States. Examines historical, social, and cultural issues that connect them to their Diaspora counterparts from the Caribbean islands.

**Prerequisite(s):** Sociology 101 and 211 or 221.

**Unit(s):** 1

**SOC 221 Sociological Theory**

History of sociological thought; major theoretical perspectives, both classical and contemporary.

**Prerequisite(s):** Sociology 101 or Anthropology 101.

**Unit(s):** 1

**SOC 231 Across the Pond: Europe vs. USA**

An examination of social structures, social identities, political cultures, and economies in contemporary

Europe. Focuses on the interaction between variation among European countries and the creation and operation of the European Union. Compares structures and policies in Europe and the United States.

**Prerequisite(s):** Sociology 101.

**Unit(s):** 1

**SOC 232 Postsocialism in Russia and Eastern Europe**

Examines issues in postsocialism in Russia and Eastern Europe, including historical context and legacies of Soviet socialism, collapse of the USSR and East Europe, logics and policies of economic reform, political and social change, and a brief comparison with China's experience.

**Prerequisite(s):** Sociology 101.

**Unit(s):** 1

**SOC 233 Understanding Globalization**

Examines the causes, patterns, and consequences of globalization along multiple dimensions, including cultural, economic, political and ideological.

**Prerequisite(s):** Sociology 101.

**Unit(s):** 1

**SOC 250 Social Organizations and Institutions**

Examines the nature of organizations and institutions, how they emerge, and how they operate and change. Topics include organizations, institutions, and power; states and the organizational basis of social class; cross-national variation in corporate structures and practices; micro-institutions such as families; and the impact of organizations and institutions on people's everyday lives, identities, and actions.

**Prerequisite(s):** Sociology 101.

**Unit(s):** 1

**SOC 255 Sport in Society**

Foundation for critical understanding and appreciation for centrality and importance of sport in contemporary society.

**Prerequisite(s):** Sociology 101.

**Unit(s):** 1

**SOC 230 Introduction to Africa: The Sociology of Africa**

(See International Studies 230.)

**Unit(s):** 1

**SOC 279 Selected Topics in Sociology**

Various topics in the field of sociology. Course may be repeated for credit if topics are different.

**Prerequisite(s):** Sociology 101.

**Unit(s):** 1

**SOC 302 Social Movements**

Examination of various types of social movements and theoretical perspectives that explain them. Includes movement origins, structure and organization, goals and strategies, how movements change, and how they affect the larger society. Analysis of social, economic, and political contexts in which movements develop.

**Prerequisite(s):** Sociology 211 or 221 with a grade of C- or better.

**Unit(s):** 1

**SOC 303 Sociology of Families**

Family as a social institution; historical, social class, ethnic, racial, economic contexts and variations. Intersection with religious, state, and educational institutions.

**Prerequisite(s):** Sociology 211 or 221 with a grade of C- or better.

**Unit(s):** 1

**SOC 304 Power, Control and Resistance**

Examines the many facets of the structure and operation of power, using case studies to illuminate such issues as the three dimensions of power, the construction of and challenge to authority, the relation between power and discourse, power and the body, and tactics and opportunities of everyday passive resistance.

**Prerequisite(s):** Sociology 211 or 221 with a grade of C- or better.

**Unit(s):** 1

**SOC 305 Conformity, Deviance and Institutions of Social Control**

Informal and formal pressures to conform to, as well as deviate from, societal norms; social control institutions.

**Prerequisite(s):** Sociology 211 or 221 with a grade of C- or better.

**Unit(s):** 1

**SOC 306 Social Change in a Global Perspective**

Addresses the processes and forces underpinning the rise of modern nation-states and capitalist economies in the developed and developing worlds. Topics include: the coming of European modernity; dependency and development in Latin America and East Asia; the communist experiment; and globalization.

**Prerequisite(s):** Sociology 211 or 221 with a grade of C- or better.

**Unit(s):** 1

**SOC 308 Sociology of War**

Examines the relationship between social structures and war, including democracy and civil rights (e.g. gender and ethnic rights), economic development, social reform, and political identity.

**Prerequisite(s):** Sociology 211 or 221 with a grade of C- or better.

**Unit(s):** 1

**SOC 311 Juvenile Delinquency**

Meaning of juvenile delinquency; measurement, prevalence and distribution of juvenile delinquency; theories of delinquency; police actions; court actions; and juvenile institutions.

**Prerequisite(s):** Sociology 211 or 221 with a grade of C- or better.

**Unit(s):** 1

**SOC 313 Field Investigation of the Juvenile and Adult Criminal Justice Systems**

Steps in adult and juvenile criminal justice processes from arrest through court procedures, incarceration. Innovative rehabilitative treatments. Students participate in series of field experiences. Readings from sociological literature. (Offered in summer only.)

**Prerequisite(s):** Sociology 101 or permission of instructor.

**Unit(s):** 1

**SOC 316 Race and Ethnicity in America**

Native peoples; immigration and settlement of U.S.; racial and ethnic groups; prejudice and discrimination; race relations in a racially and culturally diverse society.

**Prerequisite(s):** Sociology 211 or 221 with a grade of C- or better.

**Unit(s):** 1

**SOC 319 Social Constructions of Gender and Sexuality**

Gender and sexuality as social institutions, biological factors, social contexts of gender and sexuality, socialization, relationships, work, changes, and possibilities.

**Prerequisite(s):** Sociology 211 or 221 with a grade of C- or better.

**Unit(s):** 1

**SOC 320 Race, Class, and Schooling**

Deepens students' understanding of the various ways in which race and class inequality manifest in schools and shape the educational experiences of students.

**Prerequisite(s):** Sociology 101 and 211 or 221

**Unit(s):** 1

**SOC 324 Law and Society**

Variations within and between legal systems, social nature of the legal system, the legal profession, and sociological issues within civil and criminal law.

**Prerequisite(s):** Sociology 211 or 221 with a grade of C- or better.

**Unit(s):** 1

**SOC 326-327 Directed Independent Study**

Intensive study of a specific topic within sociology under the direction of a member of the faculty. Requires approval by the department chair.

**Prerequisite(s):** Sociology 211 or 221 with a grade of C- or better and department approval.

**Unit(s):** .5-1

**SOC 330 Science, Technology, and Society**

Sociologically investigates science as a social institution that intersects with other social institutions, with an emphasis on exploring how social inequalities affect the use of technology and the construction of scientific knowledge.

**Prerequisite(s):** Sociology 101 and 211 or 221

**Unit(s):** 1

**SOC 335 Feast and Famine: Inequalities in the Global Food System**

Analyzes the socio-economic, political, and cultural construction of food systems. Topics include global institutions that impact the flow of food around the world; regional relationships pertaining to food trade; and local relationships between producers, retailers, and consumers.

**Prerequisite(s):** Sociology 211 or 221 with a grade of C- or better.

**Unit(s):** 1

**SOC 379 Selected Topics**

Various topics in the field of sociology. Course may be repeated for credit if topics are different.

**Prerequisite(s):** Sociology 211 or 221 with a grade of C- or better.

**Unit(s):** 1

**SOC 388 Individual Internship**

Supervised independent field work. Requires permission of a supervising faculty member and approval by the department chair. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Sociology 211 or 221 with a grade of C- or better.

**Unit(s):** .5

**SOC 389 Research Practicum**

For junior- or senior-level majors. Work closely with professor on research project: design, data collection, data analysis. Requires permission of a supervising faculty member and approval by the department chair.

**Prerequisite(s):** Sociology 211 or 221 with a grade of C- or better.

**Unit(s):** .5-1

**SOC 401 Capstone Experience**

Senior capstone experience to complete sociology major. Builds upon what students have learned about sociology as a discipline: its central themes, theoretical perspectives, research methods, and substantive research findings. Examines various topics and issues that comprise subject matter of sociology and reflects on its major contributions.

**Prerequisite(s):** Senior standing and Sociology 211 and 221 with a grade of C- or better.

**Unit(s):** 1

**SOC 406 Undergraduate Summer Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**SOC 490 Honors Independent Study**

Students work one-on-one with faculty advisor in constructing a research design and collecting data for a senior thesis for the Sociology Honors program.

**Prerequisite(s):** SOC 101, 211, 221 and admission to the Honors program.

**Unit(s):** 1

**SOC 491 Sociology Honors Thesis**

Student work individually with a faculty advisor in analyzing data and writing up results for a senior thesis for the Sociology Honors program.

**Prerequisite(s):** SOC 101, 211, 221, 490. Admission to the Honors program.

**Unit(s):** 1

## Theatre

### Department of Theatre and Dance

*Dorothy Holland, Chair*

*Associate Professors Holland, Mike, Schoen, West*

*Assistant Professors Stegmeir, Herrera, White*

*Assistant Director of Costume and Makeup Hogg*

*Director of Dance Daleng*

*Assistant Director of Dance Van Gelder*

*Associate Director of the Modlin Center for the Arts Sommers*

*Each year two professional guest artists join the faculty to work with students and in productions.*

*Additional professionals from the field also are employed as adjunct faculty members.*

### The Theatre Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C- (1.7). Upper-level courses are taught on a rotating basis.

11 units, including

Production participation - THTR 399 Leadership in Production (0 units)

Diversity, one unit chosen from

THTR 210 Performing Diversity: A Cultural Odyssey

THTR 313 Theatre for Social Change I

THTR 314 Theatre for Social Change II

History, two units chosen from

THTR 309 Theatre History I

THTR 319 Theatre History II

THTR 321 History of Apparel

Production Studies, three units including

THTR 205 Production Studies I- Fundamentals of Theatre

THTR 306 Production Studies II- Analysis, Conceptualization and Problem Solving

THTR 407 Production Studies III- Collaboration and Production

Performance, one unit chosen from

THTR 212 Basics of Acting

THTR 215 Physical Theatre: Actor as Creator

THTR 219 Ensemble Performance

THTR 308 Basics of Directing

THTR 327 Acting Shakespeare I

THTR 328 Acting Shakespeare II

DANC 238 Introduction to Contact Improvisation

DANC 248 Introduction to Movement Improvisation

DANC 255 Choreography  
 DANC 256 Beginning Jazz Dance  
 DANC 257 Beginning Ballet  
 DANC 258 Writing from the Body: Words and Movement  
 DANC 259 Beginning Tap Dance  
 DANC 260 Beginning Modern Dance  
 DANC 261 Intermediate Jazz Dance  
 DANC 262 Intermediate Tap Dance  
 DANC 263 Intermediate Modern Dance  
 DANC 266 Intermediate Ballet  
 DANC 306 University Dancers  
 DANC 356 Pointe and Variations  
 DANC 361 Advanced Jazz Dance  
 DANC 362 Advanced Tap Dance  
 DANC 363 Advanced Modern Dance  
 DANC 366 Advanced Ballet

Technical Theatre, one unit chosen from  
 THTR 201 Stagecraft  
 THTR 206 Introduction to Costume  
 THTR 213 Fundamentals of Stage Makeup

Theory, one unit chosen from  
 THTR 320 Advanced Acting: Twentieth-Century Acting Styles and Theory  
 THTR 325 Script Analysis  
 THTR 370 Staging Gender

Theatre Design, one unit chosen from  
 THTR 202 Stage Lighting  
 THTR 301 Scene Design  
 THTR 302 Scene Painting  
 THTR 322 Advanced Costume Design

Elective  
 One unit, approved by the theatre department, in art history, studio art, or music

### Limitations

Theatre 330-341 (Practica) and 388 (Internship) cannot be counted in the major.  
 No course units can be counted toward both a major in theatre and a minor in dance.

### Related Fields

- Interdisciplinary concentration in arts management for studio art, art history, music, theatre, and dance majors or minors
- Combined major in theatre and English literature

### The Theatre Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00, with no course grade below C- (1.7).

6 units, including  
 Diversity, one unit chosen from  
 THTR 210 Performing Diversity: A Cultural Odyssey  
 THTR 313 Theatre for Social Change I  
 Production Studies, two units including  
 THTR 205 Production Studies I- Fundamentals of Theatre  
 THTR 306 Production Studies II- Analysis, Conceptualization and Problem Solving  
 Performance, one unit chosen from  
 THTR 212 Basics of Acting  
 THTR 215 Physical Theatre: Actor as Creator  
 THTR 308 Basics of Directing  
 THTR 327 Acting Shakespeare I  
 THTR 328 Acting Shakespeare II  
 DANC 238 Introduction to Contact Improvisation  
 DANC 255 Choreography  
 DANC 256 Beginning Jazz Dance  
 DANC 257 Beginning Ballet  
 DANC 259 Beginning Tap Dance  
 DANC 260 Beginning Modern Dance  
 DANC 261 Intermediate Jazz Dance  
 DANC 262 Intermediate Tap Dance  
 DANC 263 Intermediate Modern Dance  
 DANC 266 Intermediate Ballet  
 DANC 306 University Dancers  
 DANC 356 Pointe and Variations  
 DANC 361 Advanced Jazz Dance  
 DANC 362 Advanced Tap Dance  
 DANC 363 Advanced Modern Dance  
 DANC 366 Advanced Ballet

Technical Theatre/Theatre Design, one unit chosen from  
 THTR 201 Stagecraft  
 THTR 202 Stage Lighting  
 THTR 206 Introduction to Costume  
 THTR 213 Fundamentals of Stage Makeup  
 THTR 301 Scene Design  
 THTR 302 Scene Painting  
 THTR 322 Advanced Costume Design

History/Theory, one unit chosen from  
 THTR 309 Theatre History I  
 THTR 319 Theatre History II  
 THTR 320 Advanced Acting: Twentieth-Century Acting Styles and Theory  
 THTR 321 History of Apparel  
 THTR 325 Script Analysis  
 THTR 370 Staging Gender



**Limitations**

Theatre 315 (Independent Study), 330-341 (Practica) and 388 (Internship) cannot be counted in the minor.

**Honors Program**

Outstanding students with intellectual initiative and the desire to pursue academic achievement beyond standard coursework have the opportunity to broaden and deepen knowledge in selected major fields through the honors program. To qualify, a student should have at least a 3.30 cumulative grade point average, 18 or more units completed and, excluding coursework primarily for first-year students, 3.5 or more units completed with distinction in the major field.

Students electing to fulfill requirements for the honors program in the Department of Theatre and Dance must designate at least two units of honors credit through a combination of upper-level courses. This will require the student to do additional work over and above the normal requirements of the course. In addition, the student also must take Honors Thesis Preparation (THTR 380) and Honors Performance/Thesis (THTR 381). The student must have attained a departmental GPA of 3.30 by the beginning of the fall semester of the senior year. The student also must maintain that GPA through the completion of the program and an overall GPA of no less than 3.0 while in the program. Students should declare their intention to seek honors and meet with the honors coordinator in their sophomore year. Students who have not declared by the second semester of their junior year are disqualified from further honors consideration. Those who have declared that they are seeking honors will be considered candidates until they fail to meet one of the program's requirements. Successful completion of an honors program is shown on the student's permanent academic record and on the diploma.

**Courses****THTR 115 Theatre Appreciation**

An introduction to the role of actors, playwrights, directors, designers, and audiences in the highly collaborative art of theatre. Students learn to appreciate the artistic and intellectual processes of theatre artists and to use knowledge of historical forms and traditions in order to evaluate contemporary live theatre. Students will engage in creative projects in the classroom and interact with

professional theatre artists via lab work on mainstage productions. Laboratory assignments with mainstage productions.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**THTR 119 Broadway Musical Theatre**

Survey of the Broadway musical theatre from its 19th century roots to the present day. Provides basic introduction to music theory and culminates with performance of original one-act musical(s) written and produced by class members. In addition to regular class meetings, weekly labs are held for rehearsals and presentation of special topics. (Same as Music 119.)

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**THTR 201 Stagecraft**

Introduction to scene design and construction, lighting design and execution, scene painting, sound design, and properties in theory and practical applications. Laboratory hours required.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**THTR 202 Stage Lighting**

Mechanics and artistic aspects of stage lighting in theory and in practice; designing and executing light plots. Laboratory hours required.

**Unit(s):** 1

**THTR 205 Production Studies I-Fundamentals of Theatre**

Examines the meaning of art to theatre/dance and the necessity of research, while exploring the elements of acting, directing, dance, scene design, lighting, costume design, makeup, and sound design in theatre productions. The study of theatre history and theory will provide students with a framework for the analysis of text and performance. Also, students will learn methods for assembling a theatre portfolio that will represent their course work, research, and creative projects.

**Unit(s):** 1

**THTR 206 Introduction to Costume**

Introduction to role of costume designer as collaborative artist in theatre process. Survey of historical implications for design. Basic skills of costume construction. Laboratory assignments with mainstage productions.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**THTR 210 Performing Diversity: A Cultural Odyssey**

Further understanding of minority groups in America by investigating their social condition from an experiential base. Participants will explore existing portraits and issues associated with minorities as well as connect with important notions on cultural diversity in America. Special importance will be placed on celebrating ethnic achievements and lifestyles. Plays, poetry, and other performance art forms (including cooking and dressing) will constitute significant class presentations.

**Unit(s):** 1

**THTR 212 Basics of Acting**

Basic methods of analysis and performance techniques necessary to generate believable human behavior on stage. Study of roots (mind/body processes), not ends of acting (performance). Class exercises to develop and discipline actor's physical, vocal, and imaginative equipment. Laboratory assignments with major productions.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**THTR 213 Fundamentals of Stage Makeup**

Art and application of theatrical makeup, realism to fantasy. Corrective makeup; specialty makeup (aging, scars, beards, animal faces). Laboratory assignments in conjunction with all major productions.

**Unit(s):** 1

**THTR 215 Physical Theatre: Actor as Creator**

Introduces students to the contemporary approaches to theatre-making which focus on the body. Through a series of workshops & creative projects, students will learn techniques for generating original material, developing their spontaneity and creativity, and creating theatre that is personally meaningful and collectively engaging.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**THTR 219 Ensemble Performance**

Exploratory class which attempts to generate honest and spontaneous responses from the actor to performance and play creating circumstances. Major emphasis is placed on teamwork, the search for truth and attaining actual potential in the art of playing. With a view to synergizing theatre activity with communal responsibility participants are encouraged to draw on issues around them and nurture creative inspiration from societal needs. Improvisation, storytelling, and multiple role playing are primary mediums for advancing the experience.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**THTR 301 Scene Design**

Artistic aspects of stage setting in theory and in practice. Consideration of mechanical perspective, watercolor sketching, color schemes, and history of period design. Stresses how the design process is inspired by the script and how the design of scenery is only part of the larger creative process called theatre. Laboratory hours required.

**Prerequisite(s):** Theatre 115, 201, 205 or permission of instructor.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**THTR 302 Scene Painting**

Study of function of scenic artist in theory and practice. Hands-on approach to scene painting. Laboratory hours required.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**THTR 306 Production Studies II: Analysis, Conceptualization and Problem Solving**

Continues to build on the foundations established in Theatre 205, focusing more intently upon the process of preparing a play for theatrical production. Students will select a play and develop a production concept by analyzing the text, preparing the necessary dramaturgical research, and using their study of the elements of theatre to realize their production as a classroom project. The various facets of this project will serve as the core elements of a personal theatre

portfolio representative of their course work, research, and creative projects.

**Prerequisite(s):** Theatre 205.

**Unit(s):** 1

**THTR 308 Basics of Directing**

Principles and techniques of directing the realistic modern play. Case studies and scene work. One-act play prepared for production by each student. Laboratory assignments with major productions.

**Prerequisite(s):** Theatre 205 or 212 or permission of instructor.

**Unit(s):** 1

**THTR 309 Theatre History I**

Survey of theatre history from ancient Greece to mid 18th-century Europe, with emphasis on representative plays, performance practices, and theories, as well as the cultural, economic, and political contexts from which they emerged. Lecture/discussion format.

**Unit(s):** 1

**THTR 310 Managing Performing Arts Organizations.**

(See Music 310.)

**Prerequisite(s):** Theatre major, theatre minor, dance minor, or permission of instructor.

**Unit(s):** 1

**THTR 312 Special Topics**

Representative topics: acting for the camera, advanced courses in costume, directing, makeup, critical theory, directing, improvisation, makeup, performance theory, stage combat, documentary film making, voice and speech for the stage. Can be taken more than once for credit if topic varies.

**Prerequisite(s):** Theatre 205 or permission of instructor.

**Unit(s):** .5-1

**THTR 313 Theatre for Social Change I**

A studio and seminar class inspired by African and European models in Theatre for Development, a specialized field of drama focused on social development and grounded in participatory procedure. The activity involves research, analysis,

scenario building, and performance. Participants will be exposed to exercises in devising and performing work for impacting social transformation. The course will highlight issues within the immediate environment as well as the larger Richmond community, and practice will occur in both domains.

**General Education Requirement:** (FSVP)

**Unit(s):** 1

**THTR 314 Theatre for Social Change II**

Designed to enable students to utilize and transfer the skills acquired in Theatre 313 into the larger community. Working in smaller groups, they are responsible for implementing and evaluating a theatre-centered project within the context of social and sustainable development. They will foster the creation of a play by community members on issues affecting their daily lives. Significant emphasis is given to cultivating an interaction with experts in related areas of concern towards galvanizing meaningful future growth in the selected community.

**Unit(s):** 1

**THTR 315 Independent Study**

Restriction: Prospectus must be submitted and approved prior to the end of advance registration. Does not count for theatre or dance minor.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .5-1

**THTR 319 Theatre History II**

A survey of theatre history from mid 18th-century Europe to the present, with emphasis on representative plays, performance practices, and theories, as well as the cultural, economic, and political contexts from which they emerged. Lecture/discussion format.

**Unit(s):** 1

**THTR 320 Advanced Acting: Twentieth-Century Acting Styles and Theory**

An examination of the major theories that have shaped the discourse on, and practice of, the art of acting in the 20th century. Concentrated scene study class that explores relationship between 20th-century dramatic literature and acting techniques and theories that developed to meet demands of these plays. By preparing scenes from various modern genres of theatre, acting students examine techniques and research methods necessary to unlock performance

elements of the most demanding dramas of the last 100 years.

**Prerequisite(s):** Theatre 212 or permission of instructor.

**Unit(s):** 1

**THTR 321 History of Apparel**

Designed to give students a recognition/understanding of the evolution of clothing from the ancients to the 21st century. Beginning with the physiological and psychological reasons for clothing. Includes focus on the relationship of fashion to the social and political issues of the time period.

**Unit(s):** 1

**THTR 322 Advanced Costume Design**

Further exploration of various construction, patterning, design, research and rendering problems and the methods for solving them. Building on the techniques learned in the introductory course, students will gain a deeper understanding of the variety of methods used in problem solving, and how to know which approach is best suited to the needs of the script in question. The course will culminate in a public presentation of students' projects.

**Prerequisite(s):** Theatre 206 or permission of instructor.

**Unit(s):** 1

**THTR 325 Script Analysis**

Systematic approach to understanding and realizing the theatrical implications of play scripts. Script study as if in preparation for mounting production. Laboratory hours required.

**General Education Requirement:** (FSLT)

**Unit(s):** 1

**THTR 327 Acting Shakespeare I**

Introduction to methods of textual analysis and literary research necessary to prepare a Shakespearean play for performance.

**Prerequisite(s):** Theatre 205 or 212 or permission of instructor.

**Unit(s):** 1

**THTR 328 Acting Shakespeare II**

Introduction to emotional, physical, and vocal techniques necessary for performing a Shakespearean play. Builds on work of Theatre 327 in providing students with analytical means and research methods necessary to make informed artistic decisions.

**Prerequisite(s):** Theatre 327.

**Unit(s):** 1

**THTR 330 Practicum: Performance**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not count for theatre or dance major or minor.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25-1

**THTR 331 Practicum: Directing/Choreography**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not count for theatre or dance major or minor.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25-1

**THTR 332 Practicum: Stage Management**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not count for theatre or dance major or minor.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25-1

**THTR 333 Practicum: Technical Crew**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not

count for theatre or dance major or minor.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25-1

**THTR 334 Practicum: Design**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not count for theatre or dance major or minor.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25-1

**THTR 340 Practicum: Scenery/Props**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not count for theatre or dance major or minor.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25-1

**THTR 341 Practicum: Costume/Makeup**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not count for theatre or dance major or minor.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25-1

**THTR 342 Practicum: Other**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not count for theatre or dance major or minor.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25-1

**THTR 343 Practicum: Lighting**

Understanding theatre arts through analysis of and participation in creative theatrical efforts. Forty hours work for .25 units of practicum credit. Includes research and written work appropriate to the theatrical activity involved. Four units maximum credit; 1.5 units maximum per semester. Does not count for theatre or dance major or minor.

**Prerequisite(s):** Permission of department.

**Unit(s):** .25-1

**THTR 345 Philanthropy in the Arts**

(See Music 345; same as Art 345.)

**Prerequisite(s):** Music/Theatre 310 or Art 322 or permission of instructor.

**Unit(s):** 1

**THTR 370 Staging Gender**

Study of selected plays and theatre productions with a focus on the representations of gender and gender relations. Readings in feminist, gender, and queer theory provide critical frameworks for analyzing representations of gender as well as representations of race and class as they intersect with gender. Culminates in a staged reading of a play.

**Unit(s):** 1

**THTR 380 Honors Thesis Preparation**

Research and preparation for honors thesis or project in theatre or dance.

**Prerequisite(s):** Acceptance in the department honors program.

**Unit(s):** 1

**THTR 381 Honors Performance/Thesis**

Research and writing honors thesis or realization (including rehearsals and all drawings) of a creative honors project in theatre or dance.

**Prerequisite(s):** Acceptance in the department honors program.

**Unit(s):** 1

**THTR 388 Individual Internship**

Practical application of theatre and dance principles and skills in supervised, out-of-class environment. Does not count for theatre major or minor or dance minor. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Majors and minors only; faculty approval before beginning work.

**Unit(s):** .5-1

**THTR 399 Leadership in Production**

Majors-only course requiring a student to assume a position of significant responsibility (excluding performing) in one of the department's major productions. These positions include designing or assistant designing (costumes, lights, scenery, sound), assistant directing, dance captain, dramaturg, properties master, publicity manager (for the academic year), or stage manager. Graded Satisfactory/Unsatisfactory.

**Prerequisite(s):** Departmental approval.

**Unit(s):** 0

**THTR 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

**THTR 407 Production Studies III-Collaboration and Production**

Requires students to form a production organization and produce a substantial play. The production will be staged at the beginning of the next semester and students will receive their final grade after successful completion. Students must select play, analyze material, provide requisite dramaturgical research, create a budget, design all visual elements, raise funds for and publicize the production, conduct rehearsals, and provide a thorough critique of the results.

**Prerequisite(s):** Theatre 306

**Unit(s):** 1

**Wellness Program**

**Recreation and Wellness**

*Tracy Cassalia, Health Educator*

In keeping with the University's objective of fostering knowledge and personal well-being, every undergraduate student will complete a three part wellness series prior to graduation. Before arriving on campus, first year and transfer students will complete Alcohol Edu, an on-line alcohol prevention and education program. Once on campus, students will complete a two-hour alcohol seminar (WELL 085) specific to policies of the University and the Commonwealth of Virginia. Students are also required to complete two WELL 090 health education topics courses. Classes are geared towards topics that will promote academic success and personal health.

The wellness program, a division of student development, is responsible for the wellness graduation requirement. All students seeking a bachelor's degree must complete the requirement prior to the start of their junior year. The wellness graduation requirement consists of the following classes:

- UR Aware (WELL 085) Alcohol Awareness Program
- Plus 2 (WELL 090) a wellness topic of choice
- Plus 2 (WELL 090) a second wellness topic of choice

Each course is graded with an S or U (Satisfactory/Unsatisfactory). Students who have not satisfactorily completed WELL 085 by the end of their first year of enrollment will have an administrative hold put on their record and will not be able to register until they have made arrangements to take the class.

**Courses**

**WELL 085 URAWARE: Alcohol Awareness Program**

An alcohol prevention/education program designed to assist students in making positive decisions regarding



alcohol issues. Students must satisfactorily complete this component of the wellness requirement their first semester on campus. Student will first complete Alcohol Edu, an on-line alcohol prevention and education program followed by a two-hour on-campus alcohol seminar . (The wellness requirement carries no credit, but is billed at a tuition rate equivalent to .25 units of credit for the cost of instruction.)

**General Education Requirement:** (WEL1)

**Unit(s):** 0

**WELL 090 PLUS2: Wellness Topics**

The wellness topic component of the wellness graduation requirement. Students will be offered a choice of health and wellness topics every semester. Sample topics include nutrition, sexual health, relationships, and stress management. Students are required to satisfactorily complete two topics for graduation. Topic sessions run for six weeks, 90 minutes each week. Students are encouraged to complete this component of the wellness requirement before or during their sophomore year. (The wellness requirement carries no credit, but is billed at a tuition rate equivalent to .25 units of credit for the cost of instruction.)

**General Education Requirement:** (WEL2)

**Unit(s):** 0

**WELL 200 College Student Development: Applications to Residential Life**

Theoretical and experiential study of human behavior. Emphasis on self-awareness and growth, and its application to understanding students and their lives. Attention given to leadership skills in a residential setting.

**Prerequisite(s):** Must be a recently-selected residential life staff member or receive instructor's permission to enroll.

**General Education Requirement:** (WEL2)

**Unit(s):** 0

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**Women, Gender and Sexuality Studies**

*Lucretia McCulley, Coordinator*

The women, gender and sexuality studies program is grounded in a) the analysis of gender and sexuality as historically emergent concepts and regions of human experience; b) the histories of political and social movements focused on the concerns, needs, and perspectives of women and sexualities minorities; and c) the theoretical and methodological frameworks of feminist analysis across the disciplines. Working in close consultation with an advisor, students may engage in a wide range of coursework emphasizing their specific areas of interest within the interdisciplinary field.

**The Women, Gender and Sexuality Studies Major**

**Note:** The grade point average of the coursework comprising the major must be no less than 2.00 with no course grade below C (2.0).

10 units, including  
 WGSS 200 Introduction to Women, Gender & Sexuality Studies  
 WGSS 489 Research Methods and Capstone Preparation  
 WGSS 490 Senior Capstone Experience  
 Seven additional units in WGSS or cross-listed courses. At least four of the seven courses must be at the 300-level or above, and no more than .5 unit of internship credit may be counted toward the major.

Students must develop their major course of study plan in consultation with their advisor/WGSS coordinator. Plans must be submitted in writing and kept on file. The procedure for submitting a plan can be found on the WGSS Web site.

Students are expected to fulfill all prerequisites necessary for courses within the major. Prerequisites do not count toward the major unless otherwise noted.

**Related Fields**

Combined major in women, gender and sexuality studies and English literature

**The Women, Gender and Sexuality Studies Minor**

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.00 with no course grade below C (2.0).

5 units, including  
 WGSS 200 Introduction to Women, Gender & Sexuality Studies

Four additional units in WGSS core or cross-listed from at least two different departments, including no more than .5 units of internship credit.

Students are expected to fulfill all prerequisites necessary for courses within the minor. Prerequisites do not count toward the minor unless otherwise noted.

### **Courses for Women, Gender and Sexuality Studies Credit**

See the departmental listings for descriptions of the following courses offered for women, gender, and sexuality studies credit. Courses marked with an asterisk (\*) may or may not carry women, gender, and sexuality studies credit in any given semester. You will need to make arrangements with the instructor and the women, gender, and sexuality studies coordinator at the beginning of the semester in order to count courses marked with an asterisk towards the WGSS major or minor. A comprehensive listing of courses is published each semester on the WGSS Web site and should be taken as the final arbiter for women, gender and sexuality studies credit.

ANTH 300 Sexuality and Gender Across Cultures  
 ANTH 328 Anthropology of Human Rights  
 ANTH 350 Sex and Gender in the Middle East  
 ANTH 379 Peoples and Cultures of the Middle East  
 BIOL 370 Women in Science  
 CLSC 210 History of Early Medicine  
 CLSC 304 The Feminine in Greco-Roman Literature  
 CLSC 308 Women in Greece and Rome  
 ECON 232 The Economics of Gender  
 ENGL 230 Women in Modern Literature  
 ENGL 299 American Misfit: Geek Literature and Culture  
 ENGL 335 Black Women Writers  
 ENGL 358 African-American Women Writers  
 ENGL 369 American Culture/American Film  
 ENGL 370 Victorian Fantasy  
 ENGL 389 Women and Creativity  
 ENGL 400 Woolf and Mansfield  
 GERM 471 Sexuality and German Society  
 GERM 472 Multiculturalism, Identity, and Authorship in German Context (WGSS 379 when taught in English)  
 HIST 100 Abigail Adams  
 HIST 100 Scottsboro Trials  
 HIST 100 Women and Gender in Muslim Societies  
 HIST 224 European Women and Gender before Suffrage  
 HIST 299 Women and Gender in Africa

HIST 300 Early American Women  
 HIST 321 History of Work in Europe  
 HIST 380 Women and Gender in African History  
 HIST 400 Medieval Family  
 HIST 401 Civil Rights Movement  
 LAIS 475 Women and Writing in Latin America  
 LAWE 701 Feminist Legal Theory (same as WGSS 379)  
 LAWE 740 Sexual Orientation and the Law (same as WGSS 379)  
 LDST 359 Gender in Leadership  
 LDST 361 Sex, Power, and Politics  
 LDST 386 Leadership in a Diverse Society  
 LDST 390 Women's Movement  
 MUS 338 ST: Music and Identity (same as WGSS 379)  
 PHIL 221 Feminist Political Theories (same as WGSS 221)  
 PHIL 358 Topics in Feminist Philosophy  
 PHIL 363 Power and Politics  
 PLSC 379 Women and Politics\*  
 PLSC 379 Power and Politics  
 PLSC 379 Women, Dependency, Homelessness  
 PSYC 299 Diversity  
 PSYC 449 Advanced Seminar: Gender and Relationships  
 RELG 244 Women in Judaism, Christianity, and Islam  
 RELG 253 Body/Sex in World Religious Literature  
 RELG 255 Queers in Religion  
 RELG 262 Sacred Arts of Native America  
 RELG 360 Goddess Traditions Ancient and Modern  
 RELG 373 Witchcraft and its Interpretations  
 RELG 375 Cults, Communes, and Utopias of Early America  
 RHCS 412 Politics of Rhetoric and Diversity  
 RHCS 413 Rhetoric of U.S. Feminism: 1840-1975  
 SOC 279 ST: Work, Family, Home, and Community  
 SOC 279 ST: Aging and Inequality  
 SOC 302 Social Movements  
 SOC 303 Sociology of Families  
 SOC 319 Social Constructions of Gender and Sexuality  
 SOC 379 ST: Gender and Work  
 THTR 119 Broadway Musical Theatre\*  
 THTR 312 ST: Latinas/Latinos on Stage\*  
 THTR 319 Theatre History II  
 THTR 370 Staging Gender

### **Courses**

#### **WGSS 200 Introduction to Women, Gender & Sexuality Studies**

Introduction to the broad, interdisciplinary field of women, gender, and sexuality studies. Special attention will be paid to the meaning and history of

the terms "gender" and "sexuality" and to the political movements mobilized around those terms. Students will read both contemporary and historical materials and both primary and secondary sources.

**Unit(s):** 1

**WGSS 201 WILL Colloquium: Gender, Race and Activism**

Introductory course of the WILL Program. Examines the intersections of gender, race, ethnicity, class, and sexuality in women's lives with particular focus on an analysis of social justice activism and strategies for social change.

**Prerequisite(s):** Enrollment in the WILL Program.

**Unit(s):** 1

**WGSS 221 Feminist Political Theories**

(See Philosophy 221.)

**Unit(s):** 1

**WGSS 250 Politics of the Body**

Examines both historical and contemporary interdisciplinary material on the body. Special attention will be paid to examining images of the body in contemporary popular culture and long-standing historical connections between medicine, technology, and the body, such as eugenics movements.

**Unit(s):** 1

**WGSS 279 Selected Topics**

Varying issues of current relevance and importance to women, gender and sexuality studies. May be repeated for credit when topic varies.

**Unit(s):** 1

**WGSS 280 Women and Work**

Examines women's work and the struggle to achieve balance between work and personal life from a theoretical, historical, and comparative perspective, focusing on women in the United States, but placing their labor in a global socioeconomic context. Historical studies of women's labor in the past are used to provide a framework for understanding women's challenges in the workplace today.

**Unit(s):** 1

**WGSS 301 WILL Senior Seminar**

Capstone course for the WILL program.

**Prerequisite(s):** WILL program participant.

**Unit(s):** .5

**WGSS 302 Women and the Law**

Traditional and contemporary relationship of women to the law. Includes study of legal history and of factors bearing on women's legal status.

**Unit(s):** 1

**WGSS 379 Selected Topics**

Varying issues of current relevance and importance to women's studies. May be repeated for credit if topics differ.

**Unit(s):** 1

**WGSS 388 Individual Internship**

No more than .5 units of internship may be applied to the women, gender, and sexuality studies major or minor. No more than 1.5 units of internship in any one department and 3.5 units of internship overall may be counted toward required degree units.

**Prerequisite(s):** Permission of department.

**Unit(s):** .5-1.5

**WGSS 398 Independent Study**

Pass/fail grading may be designated by department for certain enrollments.

**Prerequisite(s):** Permission of department.

**Unit(s):** .5-1

**WGSS 399 Topics in Advanced Feminist Theory**

Selected topics in advanced feminist theory. Topics vary by semester and will focus on specific applications of feminist theories in a variety of disciplines. Topics may include feminist literary and film theory, feminist materialist/economic theories, and feminist social theories.

**Unit(s):** 1

**WGSS 406 Summer Undergraduate Research**

Documentation of the work of students who receive summer fellowships to conduct research [or produce a creative arts project] in the summer. The work must take place over a minimum of 8 weeks, the student must engage in the project full-time (at least 40 hours per week) during this period, and the student must be

the recipient of a fellowship through the university. Graded S/U.

**Prerequisite(s):** Approval for summer Arts and Sciences fellowship by faculty mentor

**Unit(s):** 0

### **WGSS 489 Research Methods and Capstone Preparation**

A seminar for women, gender, and sexuality studies majors in which students will hone research skills, review theoretical material in the discipline, and prepare a research or creative-project proposal for their capstone experience. Proposals will be presented for approval to a panel of women, gender, and sexuality studies faculty.

**Prerequisite(s):** Women, Gender and Sexuality Studies 200 and department approval.

**Unit(s):** 1

### **WGSS 490 Senior Capstone Experience**

An independent research or creative project approved the previous semester by a panel of women, gender, and sexuality studies faculty and undertaken under the direction of a faculty mentor supervised by the women, gender, and sexuality studies coordinator.

**Prerequisite(s):** Women, Gender and Sexuality Studies 489.

**Unit(s):** 1

## **Undergraduate Study at the Robins School of Business**

### **Mission**

The mission of the Robins School of Business is to develop an active learning community in which excellent teaching, scholarship, and service are integrated to stimulate intellectual inquiry as the foundation for responsible leadership in the global business environment.

### **Pursuing a Major or Minor in the Robins School of Business**

Beginning with the class entering in the Fall of 2010, students interested in pursuing a major or minor in

the Robins School of Business (Business Administration, Economics or Accounting) must have a 2.7 GPA after completing at least 12 units at the end of three semesters of college coursework, including ECON 101, ACCT 201, and MATH 211 (or its equivalent).

### **Bachelor of Science in Business Administration**

The Robins School of Business offers the degree of Bachelor of Science in Business Administration (B.S.B.A.). Within this degree, there are three majors: accounting, business administration, and economics. All business administration majors must choose one primary area of concentration. Students may choose a primary concentration in the areas of finance, economics, marketing, management, or international business. In addition, students may electively choose a second area of concentration in accounting or from those listed above.

Students may only have one major in the school of business, chosen from accounting, business administration, or economics. A concentration(s) may be attached to any of these majors but is only required for the business administration major.

Candidates for a B.S.B.A. must:

1. Satisfy the general degree requirements for graduation;
2. Complete the following pre-business courses:
  - ACCT 201 Fundamentals of Financial Accounting
  - ACCT 202 Fundamentals of Managerial Accounting
  - ECON 101 Principles of Microeconomics
  - ECON 102 Principles of Macroeconomics
  - BUAD 201 Statistics for Business and Economics I
  - BUAD 205 Business Communication
  - MATH 211 Calculus I, or MATH 231 Scientific Calculus I
3. Complete the following core courses except as noted:
  - MKT 320 Principles of Marketing
  - MGMT 330 Organizational Behavior
  - MGMT 340 Operations Management

- FIN 360 Principles of Financial Management
  - BUAD 301 Statistics for Business and Economics II (must be completed by the end of junior year)
  - MGMT 320 Business Information Systems (not required of accounting majors)
  - BUAD 392 Ethical, Social and Legal Responsibilities of Business
  - BUAD 497 Strategic Management
4. Maintain at least a 2.00 overall grade point average in school of business coursework;
  5. Earn 17 units outside the Robins School of Business except for majors in economics or accounting. Included in these 17 units are the Business Administration major requirements: ECON 101, ECON 102, BUAD 201, and BUAD 301;
  6. Complete the requirements of one of the following major fields: accounting, business administration or economics.

### **Majors**

- Accounting
- Business Administration
- Economics

### **Minors**

- Business Administration

### **Concentrations**

- Accounting
- Economics
- Finance
- International Business
- Management
- Marketing

### **Interdisciplinary Programs**

The following interdisciplinary programs are available through the School of Arts and Sciences:

- International Studies: International Economics
- Mathematical Economics
- French/International Business
- German/International Business
- Italian/International Business

- Latin American and Iberian Studies/International Business

### **General Prerequisites for All Courses in the Robins School**

Except by permission of the dean, Accounting 201-202, Economics 101-102, and Business Administration 201 are prerequisites to all other courses in the Robins School of Business. The business minor program requires a student to complete Accounting 201-202 and Economics 101-102 prior to taking any other business class. Accounting 202 is not a prerequisite for Business Administration 301. Accounting 202 may be taken simultaneously with Marketing 320, Management 320, 330 and 340, Finance 360, and/or Business Administration 392. In order to take core and/or upper level business classes, students must have a declared major or minor in the Robins School of Business.

### **Study Abroad**

All Robins School of Business students, even those not concentrating in international business, are encouraged to apply for study abroad. The Robins School enjoys relationships with leading business schools throughout the world. In accordance with University policy, credits will be transferred only from partner institutions or preapproved study programs. While studying abroad, students must complete a course that focuses on culture/society, history, political system, or economy of the host school's country or region. Students studying in a country where the native language is not English are required to participate in the host school's or other preapproved pre-semester language course, whether offered for credit or not. Students may complete no more than two courses in the same field. For example, a student may take no more than two marketing courses or two finance courses. Students may complete no more than two business school core courses while abroad. The associate dean for international programs may grant exemptions to this policy in extreme circumstances and/or for students studying abroad for an entire academic year.

### **Honors Program**

Outstanding students with intellectual initiative and the desire to pursue academic achievement beyond standard coursework have the opportunity to broaden and deepen knowledge in selected major fields



through the honors program. Departmental honors coordinators invite promising qualified majors to apply, but an interested student may contact his or her major department or the faculty committee on the honors program to indicate interest and obtain further information. To qualify, a student should have at least a 3.30 cumulative grade point average, 18 or more units completed and, excluding coursework primarily for first-year students, 3.5 or more units completed with distinction in the major field. Successful completion of an honors program is shown on the student's permanent academic record and on the diploma.

### Curriculum

- Accounting
- Business Administration
- Economics
- Finance
- International Business
- Management
- Marketing

Where the course numbers for a two-semester course are separated by a hyphen, generally either half of the course may be taken independently for credit and in any order unless a prerequisite is stated.

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## Accounting

*W. Darrell Walden, Chair*

*Professor Geiger*

*Associate Professors Clikeman, Hoyle, Krunwiede,*

*Slaughter, Vondryk, Walden*

*Assistant Professors Selby, van der Laan Smith*

### Mission-Accounting Department

The mission of the undergraduate accounting program within the Robins School of Business is to prepare students to be responsible accounting and business leaders in a global economy through the integration of superior instruction and intellectual inquiry in a liberal arts environment.

The Accounting Major

**Note:** A grade point average of no less than 2.0 in the accounting coursework comprising the major is required.

21 units, including

- The pre-business curriculum outlined above
- The business core curriculum outlined above
- ACCT 301-302 Intermediate Financial Accounting I, II
- ACCT 305 Cost and Managerial Accounting
- ACCT 307 Accounting Information Systems
- ACCT 311 Advanced Financial Accounting
- ACCT 312 Federal Taxation
- ACCT 317 Auditing

Substitutions in the accounting major are permitted if approved by the chair of the accounting department.

### The Accounting Concentration

The accounting concentration is available only to students enrolled full time in the Robins School of Business with another concentration in economics, finance, international business, management, or marketing.

A minimum of 4 courses and maximum of 6 courses in addition to the pre-business and business core described above, chosen from

- ACCT 301 Intermediate Financial Accounting I (required)
- Three to five courses additional, chosen from

ACCT 302 Intermediate Financial Accounting II

ACCT 305 Cost and Managerial Accounting

ACCT 307 Accounting Information Systems

ACCT 310 Financial Statement Analysis

ACCT 311 Advanced Financial Accounting

ACCT 312 Federal Taxation

ACCT 313 Advanced Federal Taxation

ACCT 315 International Accounting Issues

ACCT 316 Advanced Managerial

Accounting

ACCT 317 Auditing

ACCT 318 Advanced Auditing

Notes: ACCT 301 is required in the concentration. Some of the accounting courses are not offered every semester or every year. Many of the upper-level accounting courses have prerequisites that should be taken into account when planning your curriculum.

### Courses



**ACCT 201 Fundamentals of Financial Accounting**

Basic theory, concepts, and procedures necessary to develop and interpret financial (external) accounting reports.

**Unit(s):** 1

**ACCT 202 Fundamentals of Managerial Accounting**

Basic theory, concepts, and procedures necessary to develop and interpret managerial (internal) accounting reports.

**Prerequisite(s):** Accounting 201.

**Unit(s):** 1

**ACCT 301-302 Intermediate Financial Accounting I-II**

Instruction on technical development of primary aspects of the income statement, balance sheet, and statement of cash flows. Teaching methodologies include group work, class discussion, computer and written assignments, problem-solving exercises, and a community volunteer project, as well as traditional lectures.

**Prerequisite(s):** Accounting 202, Business Administration 201, Economics 101-102. Accounting 301 is prerequisite to 302. Business School Major.

**Unit(s):** 1-1

**ACCT 305 Cost and Managerial Accounting**

Study of effective product and service costing and use of accounting information for effective planning and control decisions, with emphasis on world-class organizations.

**Prerequisite(s):** Accounting 202, Business Administration 201, Economics 101-102. Accounting 301 is prerequisite to 302. Business School Major.

**Unit(s):** 1

**ACCT 307 Accounting Information Systems**

Introduction to information systems with specific emphasis on relational databases, business processes, information systems related risk, and internal controls.

**Prerequisite(s):** Accounting 202, Business Administration 201, Economics 101-102. Business School Major.

**Unit(s):** 1

**ACCT 310 Financial Statement Analysis**

Instruction in analyzing financial statements to evaluate an organization's profitability, liquidity, capital structure, and cash flows. Examination of how management's discretionary accounting choices affect earnings quality.

**Prerequisite(s):** Accounting 202 and Finance 360. Business School major.

**Unit(s):** 1

**ACCT 311 Advanced Financial Accounting**

Specialized problem solving in accounting for partnerships and not-for-profit units. Accounting for business combinations and consolidations.

**Prerequisite(s):** Accounting 301. Business School major.

**Unit(s):** 1

**ACCT 312 Federal Taxation**

Introduction to U.S. Federal taxation of business enterprises in the United States. Subjects covered include a determination of taxable income, exclusions, deductions, and credits. Will include a brief overview of individual taxation.

**Prerequisite(s):** Accounting 301. Business School major.

**Unit(s):** 1

**ACCT 313 Advanced Federal Taxation**

Expanded study of federal tax laws affecting the various corporate entities, partnerships, estates, and trusts. Will also cover additional topics involving individual taxation.

**Prerequisite(s):** Accounting 312. Business School major.

**Unit(s):** 1

**ACCT 315 International Accounting Issues**

Survey of comparative accounting principles with major trading partners, problems in international performance evaluation, transfer pricing, and tax minimization issues for multinational corporations. Stresses decision making for multinational companies through the case approach.

**Prerequisite(s):** Accounting 202, Business Administration 201, Economics 101 and 102. Business School major.

**Unit(s):** 1

**ACCT 316 Advanced Managerial Accounting**

Expanded study of managerial accounting and the use of accounting information for strategic management. Topics covered include environmental costing, activity-based management, target costing, capacity costs, and accounting for lean operations.

**Prerequisite(s):** Accounting 305, Business School major.

**Unit(s):** 1

**ACCT 317 Auditing**

Professional standards for evaluating and reporting on financial statements, and the ethical, legal, and competitive environment of auditing.

**Prerequisite(s):** Accounting 302. Business School major.

**Unit(s):** 1

**ACCT 318 Advanced Auditing**

Specialized audit topics including operational and compliance audits, attestation engagements, statistical sampling, use of generalized audit software, audits of computer systems, and work paper preparation.

**Prerequisite(s):** Accounting 317. Business School major.

**Unit(s):** 1

**ACCT 320 Selected Topics**

Examination of major accounting or auditing area not covered in other courses. Uses case/seminar approach.

**Prerequisite(s):** Accounting 202. Business School major.

**Unit(s):** .5-1

**ACCT 328 Directed Independent Study**

Independent research on an accounting topic conducted under the direct supervision of an instructor.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .5-1

**Business Administration**

*Faculty from all departments in the Robins School of Business provide instruction in this area.*

**The Business Administration Major**

In addition to the requirements for the B.S.B.A. degree outlined above, all business administration majors must complete a concentration. The concentration area requires four courses minimum chosen from a single Robins School of Business department. A maximum of six courses can be taken in any area of concentration. No more than two courses of the concentration may be required by a department. While some concentrations offer curriculum tracks, it is not necessary to follow a track.

Business administration majors must choose a concentration from the following areas: accounting, economics, finance, international business, marketing, or management. A concentration in accounting is always a secondary concentration to a primary concentration or major.

Electives: Sufficient units to complete degree requirements over and above other major requirements. At least 17 units must be taken outside the Robins School of Business.

**The Business Administration Minor**

9 units, including

- ACCT 201 Fundamentals of Financial Accounting
- ACCT 202 Fundamentals of Managerial Accounting
- ECON 101 Microeconomics
- ECON 102 Macroeconomics
- BUAD 201 Statistics for Business and Economics I
- MKT 320 Principles of Marketing
- MGMT 330 Organizational Behavior
- MGMT 340 Operations Management
- FIN 360 Principles of Financial Management

The business minor student should complete the Accounting 201-202 and Economics 101-102 requirements prior to enrolling in any other business administration course.

**Note:** There is no business administration concentration area.

### Courses

#### **BUAD 101 Introduction to Business**

Multidisciplinary course that exposes student to functional areas of business. Focus on acquiring understanding of language and structure of business through study of its functional components: accounting, economics, finance management, and marketing. (Open to first- and second-year students only.)

**Unit(s):** 1

#### **BUAD 201 Statistics for Business and Economics I**

Theory, methodology, and applications of statistics to contemporary business problems. Includes descriptive statistics, probability theory, discrete and continuous probability distributions, sampling distributions, and one- and two-population statistical inference.

**Unit(s):** 1

#### **BUAD 203 Software Tools and Applications**

Laboratory course providing introduction to software packages with applications for business decision making. Emphasis on understanding spreadsheet applications, but includes sessions on word processing and graphics software and database searches. (Open to first- and second-year students only.)

**Unit(s):** .5

#### **BUAD 205 Business Communication**

Provides the student with a basic understanding of communication processes in the business environment. Practical experience is gained in written and oral communication as well as small group and interpersonal communication within the business perspective.

**Unit(s):** .5

#### **BUAD 301 Statistics for Business and Economics II**

Theory, methodology, and applications of statistics to contemporary business and economics problems. Includes statistical inference review, analysis of variance, correlation, regression, and selected other topics.

**Prerequisite(s):** Economics 101-102 and Business Administration 201.

**Unit(s):** 1

#### **BUAD 388 Internships**

Applied field experience for a minimum of 50 work hours. Following the field experience, a short paper is required that describes the organization's history, size, number of locations, ownership, products and services, major competitors, and major customers. Graded pass/fail. May be taken no more than once per academic year and may not be repeated more than twice without permission of the Dean. (Internship requirements do not apply to the summer internship program administered by the Office of International Education).

**Prerequisite(s):** Departmental approval.

**Unit(s):** 0.25

#### **BUAD 389 Directed Independent Study**

Specialized study or directed research in area of business or economics.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .5-1

#### **BUAD 391 Essentials of Information Technology**

Introduction to how computerized information technology supports today's businesses and various functional areas of business. Includes telecommunications, IT development approaches, management of technological changes, and ethical responsibilities of information management. Some use of microcomputer systems software and e-mail, with specific assignments changing to reflect current trends and issues.

**Prerequisite(s):** Accounting 201, Business Administration 201, Economics 101-102. Business School major.

**Unit(s):** 1

#### **BUAD 392 Ethical, Social and Legal Responsibilities of Business**

Ethical and legal issues in business world are discussed and analyzed from a philosophical, historical, legal, and behavioral approach. Current ethical and legal cases serve to highlight changing value choices and resulting consequences, as well as legal problems experienced by business people.

**Prerequisite(s):** Accounting 201, Business Administration 201, Economics 101-102. Business School major.

**Unit(s):** 1

**BUAD 393 Managing Entrepreneurial Finances**

Focuses on the financial management of entrepreneurial ventures, including deal valuation and structure, sources of funding, creation of pro-formas, determination of legal form, cash flow management, financial reporting and basic tax implications. May not meet requirements for the Finance concentration.experienced by business people.

**Prerequisite(s):** Finance 360, Management 347, and Business School major.

**Unit(s):** 1

**BUAD 396 Advanced Business Law**

Principles of law relating to Uniform Commercial Code; emphasis on sales, commercial paper, secured transfers, banking laws, bailments, and documents of title. Other areas covered include real and personal property laws, insurance law, and trusts and estates.

**Prerequisite(s):** Accounting 201, Business Administration 201, Economics 101-102. Business School major.

**Unit(s):** 1

**BUAD 497 Strategic Management**

Analysis of the external environment and internal resources of a firm leading to the development of strategies and plans for implementing them. The course also provides opportunities for students to integrate knowledge from each of the functional business disciplines through case studies and other learning tools.

**Prerequisite(s):** Business Administration 301, Finance 360, Marketing 320, Management 330 and 340,. Business School major. Senior standing.

**Unit(s):** 1

## Economics

*Dean Croushore Chair*

*Professors Croushore, Dolan, McGoldrick, Schmidt, Wight*

*Associate Professors Craft, Dean, Monks, Nicholson, Yates*

*Assistant Professors Buyukkarabacak, Mago, Mykhaylova*

### The Economics Major for the Bachelor of Science in Business Administration Degree

**Note:** A grade point average of C (2.00) is required in the major with no course grade below a C- (1.7) in an economics course required for the major.

9 courses in addition to the pre-business and business core curricula outlined above, including

- ECON 101 Principles of Microeconomics
- ECON 102 Principles of Macroeconomics
- ECON 271 Microeconomic Theory
- ECON 272 Macroeconomic Theory
- Four units of economics electives (at least two of which must be at the 300 level)
- ECON 480 Senior Capstone Seminar or ECON 491 Honors Thesis in Economics

Note: Majors are strongly encouraged to take Economics 101 and 102 during their first year, and Economics 271 and 272 during their second year. A basic foundation in calculus (e.g., Math 211) is required for Economics 271.

Students may plan their course load to pursue a general major in economics or to study a specific area in economics. Voluntary elective fields have been developed in the areas of business economics, international economics, economic history, public policy, and quantitative economics. Students are encouraged to speak with their academic advisor about the options available to them. Students interested in pursuing a graduate degree in economics are encouraged to seek advice concerning the honors program in economics, the mathematical economics major, and/or taking MATH 235 Multivariate Calculus, MATH 312 Differential Equations, and MATH 245 Linear Algebra.

### The Economics Concentration (for Business Administration majors only)

The economics concentration is composed of four to six courses of economics electives at the 200 and 300 levels. While no specific courses are required, students are encouraged to coordinate their courses to meet their professional objectives. Electives are grouped into the following areas: business economics, international economics, economic history, public policy, quantitative economics, and intermediate theory.

### Honors Program

Students invited into the honors program may earn honors in economics by completing the following requirements:

1. ECON 490;
2. ECON 491;
3. Two classes taken for honors credit

### Courses

#### **ECON 101 Principles of Microeconomics**

Provides students with the analytical perspective to think critically about the market system and social objectives it may serve. Topics include supply and demand, market structure, production, market failure (e.g., pollution), and benefits and costs of government intervention.

**General Education Requirement:** (FSSA)

**Unit(s):** 1

#### **ECON 102 Principles of Macroeconomics**

The study of national income determination within a global economy. Topics include inflation, unemployment, GDP determination, money supply, balance of payments, currency markets, and role of fiscal and monetary policies. Students who have not taken Economics 101 should notify their instructor on the first class day and will be required to spend extra time outside of class on supply and demand.

**Prerequisite(s):** Economics 101 is recommended but not required.

**Unit(s):** 1

#### **ECON 105 Introduction to Global Economics**

Survey of international economic issues for nonmajors. The U.S.'s role in the global economy is covered analytically, historically, and institutionally, with special attention given to balance of payments analysis, exchange rate determination, gains from

trade, trade policy, the IMF, GATT, and other topics. Note: This course has no prerequisites and fulfills no prerequisites for other economics or business courses. Cannot be used as an elective toward the arts and sciences or business school economics major or toward the business administration major. Students with majors in the School of Business may not register for ECON 105.

**Unit(s):** 1

#### **ECON 200 The Economics of Money, Banking and Financial Markets**

Role and functions of money; operation of financial institutions; structure and influence of Federal Reserve System; effects of money and credit on economic activity.

**Prerequisite(s):** Economics 101 and 102.

**Unit(s):** 1

#### **ECON 201 Games and Experiments in Economics**

Introduction to game theory. Based on a scientific metaphor that many interactions that we do not usually think of as games such as market competition, collusion, auctions, elections, bargaining can be treated and analyzed as games. Study of how to recognize and model strategic situations, how and when their actions will affect the decisions of others, and how to gain advantage in strategic situations.

**Prerequisite(s):** ECON 101

**Unit(s):** 1

#### **ECON 210 The Economics of the European Union**

Comparative analysis of European and United States' economics systems, including a review of the evolution of the European Union. Although the scope of the course is primarily European, Japan and China also are studied.

**Prerequisite(s):** Economics 101 and 102.

**Unit(s):** 1

#### **ECON 211 Economic Development in Asia, Africa and Latin America**

Comparative analysis of economic growth, income and wealth distribution, trade and finance, population, agriculture, and industrialization in Latin America, Africa, and Asia.

**Prerequisite(s):** Economics 101 and 102.

**Unit(s):** 1

**ECON 220 History of Economic Thought**

Survey of development of economic analysis with emphasis on contributions from Adam Smith through J.M. Keynes.

**Prerequisite(s):** Economics 101 and 102.

**Unit(s):** 1

**ECON 221 American Economic History**

Use of economic theory and methods to study American history with special emphasis on economic growth. Topics include Native American development up to the arrival of Europeans, transportation revolutions, slavery, agriculture and monetary controversies in the late 19th century, health and nutrition, immigration, technological change, the Great Depression and New Deal, and civil rights.

**Prerequisite(s):** Economics 101 and 102.

**Unit(s):** 1

**ECON 230 Environmental Economics**

Development and application of economic principles to understand and evaluate causes and solutions to environmental problems such as pollution and conservation. Topics include economics of biodiversity protection, global warming, natural resource damage assessment, measurement of environmental values, and alternative strategies for pollution control. Special attention given to optimal use of exhaustible and renewable natural resources. (Same as Environmental Studies 230).

**Prerequisite(s):** Economics 101.

**Unit(s):** 1

**ECON 231 Law and Economics**

Application of economic analysis to legal concepts. Using goals of efficiency and wealth maximization, shows how economic theory can unify property law, contract law, tort law, criminal law, and family/sex law, as well as offer new insights to old problems.

**Prerequisite(s):** Economics 101.

**Unit(s):** 1

**ECON 232 The Economics of Gender**

Uses economic methods to explore how gender differences lead to different economic outcomes for men and women, both within families and in the marketplace. Topics include allocation of time between the household and the labor market, consequences of employment for family structure, theories of discrimination, and occupational segregation. Historical trends and cross-cultural comparisons are discussed at length. Policy areas include antipoverty programs, comparable worth, affirmative action, antidiscrimination legislation, parental leave, and provision of child care. While the focus of the analysis of gender and economics is on the U.S., such findings are not universal and the semester concludes with international comparisons that demonstrate important differences.

**Prerequisite(s):** Economics 101 and 102.

**Unit(s):** 1

**ECON 233 Ethics and Economics**

Explores ethical considerations that arise in economic analyses. In positive economics, how are choices informed by considerations of duty or virtue (in addition to utility)? In normative economics, how do concepts of welfare and efficiency derive from ethical theories, and how have these changed over time? What competing ethical theories add to our understanding of public policy issues? Preparation for a complex world when economic analysis is viewed as complementary to a critical-thinking process about ethical frameworks. Addresses additional questions such as: What is the moral philosophy behind capitalism? What are the moral limits to markets? Do businesses create and rely upon moral capital?

**Prerequisite(s):** Economics 101.

**Unit(s):** 1

**ECON 260 Selected Economic Topics**

Major areas in economics, application of economic principles, and analysis of policy issues.

**Prerequisite(s):** Economics 101 and 102.

**Unit(s):** .5-1

**ECON 269 Independent Study**

Specialized study or directed research in an area of economics.

**Prerequisite(s):** A written outline worthy of academic credit and permission of departmental



chair.

**Unit(s):** .5-1

**ECON 271 Microeconomic Theory**

Theory of price determination in both output and input markets; in-depth analysis of behavior of individual consumers, firms, and industries under various market structures; theories of exchange and distribution.

**Prerequisite(s):** Economics 101 and 102 and Mathematics 211 or 231 .

**Unit(s):** 1

**ECON 272 Macroeconomic Theory**

Theory of national income determination; short/medium-run monetary and fiscal policy issues are examined using Keynesian and New Classical models; long-run analysis focuses on recent extensions of the neoclassical growth model.

**Prerequisite(s):** Economics 101 and 102.

**Unit(s):** 1

**ECON 300 Industrial Organization and Public Policy**

Designed to identify features of industries with various degrees of competition. Issues to be explored include: identifying dominant firm, tight or loose oligopoly, competitive and monopoly industries; product vs. geographic markets; technological innovations; collusion, product differentiation; mergers; advertising; efficiency; price discrimination; etc. In addition, antitrust policies will be reviewed as they pertain to these issues.

**Prerequisite(s):** Economics 271.

**Unit(s):** 1

**ECON 310 International Trade and Finance**

Introduction to basic argument for free trade with emphasis on general equilibrium analysis; survey of trade restrictions including theory on tariffs, quotas, subsidies and preferential trade agreements; international monetary theory; determination of exchange rates in spot and forward markets; extension of national income model to international markets.

**Prerequisite(s):** Economics 271.

**Unit(s):** 1

**ECON 330 Environmental and Resource Economic Theory**

A rigorous treatment of environmental and resource issues, with particular emphasis on problem of designing appropriate institutions and regulations under uncertainty. Topics include emission fees and marketable permits; enforcement, risk regulation, the economics and regulation of the fishery; depletion of nonrenewable resources; and forest use. (Same as Environmental Studies 330.)

**Prerequisite(s):** Economics 271.

**Unit(s):** 1

**ECON 331 Labor Economics**

Economic analysis of labor markets including labor supply, investment in human capital, labor demand, and wage determination. Policy issues include labor unions, discrimination, and analysis of government programs affecting labor markets.

**Prerequisite(s):** Economics 271.

**Unit(s):** 1

**ECON 332 Public Economics**

Economic analysis of government spending and taxation with particular emphasis on current public policy issues (e.g., social security, healthcare, and fundamental income tax reform).

**Prerequisite(s):** Economics 271.

**Unit(s):** 1

**ECON 333 Federal Reserve Challenge Preparation**

Analysis of current macroeconomic events and how they affect monetary policy decisions. Students prepare for the Fed Challenge, competing for a position on the team based on their knowledge of current events, the determinants of monetary policy, and communication skills. The team also is responsible for economic conditions reports and presentations that support the activities of the RSB Student-Managed Investment Fund.

**Prerequisite(s):** Economics 200 or 272 and permission of instructor.

**Unit(s):** .25

**ECON 334 Federal Reserve Challenge Competition**

Analysis of current macroeconomic events and how they affect monetary policy decisions. Select students prepare and present a mock policy briefing in the Fed Challenge competition at the Federal Reserve Bank of Richmond. The team also is responsible for economic conditions reports and presentations that support the activities of the RSB Student-Managed Investment Fund.

**Prerequisite(s):** Economics 200 or 272 and permission of instructor

**Unit(s):** .25

**ECON 340 Econometrics**

Development of the theory, methodology, and application of econometric topics of the classical linear regression model as well as model extensions including dummy and limited dependent variables, time-series analysis, forecasting, and simultaneous equation systems. Excel, SPSS, and SAS are used in weekly computer lab sessions.

**Prerequisite(s):** Economics 101 and 102 and Business Administration 301 or Mathematics 330.

**Unit(s):** 1

**ECON 341 Mathematical Economics**

Examines various economic concepts by means of mathematical analysis.

**Prerequisite(s):** Economics 271 and Mathematics 212 or 232.

**Unit(s):** 1

**ECON 360 Selected Economic Topics**

Major areas in economics, application of economic principles, and analysis of policy issues.

**Prerequisite(s):** A core course to be announced.

**Unit(s):** .5-1

**ECON 369 Independent Study**

Specialized study or directed research in an area of economics.

**Prerequisite(s):** Economics 271 and/or 272, a written outline worthy of advanced credit and permission of departmental chair.

**Unit(s):** .5-1

**ECON 372 Advanced Macroeconomics**

Examination of selected topics in macroeconomics beyond the basic theory level covered in Economics 272. Topics may include forecasting; time-series econometrics; growth theory; analysis of dynamic, stochastic general-equilibrium models; and open-economy macroeconomics.

**Prerequisite(s):** Economics 272 and Business Administration 301.

**Unit(s):** 1

**ECON 480 Senior Capstone Seminar**

Utilizes theoretical and applied economic models from previous economics courses. Semester assignments guide students through a major research project of one of the following forms: contemporary economic analysis, historical economic analysis, viewpoints in economic analysis, or quantitative economic analysis. Students develop an economic question; gain access to existing knowledge; demonstrate command of existing knowledge; use existing knowledge to explore an issue of interest; understand the steps to complete a substantial research project; and sharpen written communication skills. Participation in the honors program fulfills the capstone requirement.

**Prerequisite(s):** Economics 271 and 272, Business Administration 301, and senior standing.

**Unit(s):** 1

**ECON 490 Honors Seminar in Economics**

Honors seminar.

**Prerequisite(s):** Departmental invitation.

**Unit(s):** 1

**ECON 491 Honors Thesis in Economics**

Capstone independent research project and honors paper. Participation in the honors program fulfills the capstone requirement.

**Prerequisite(s):** Departmental invitation.

**Unit(s):** 1

**Finance**

*John Earl, Chair  
Professors Fishe, Stevens  
Associate Professors Arnold, Conover, Earl,  
Lancaster, North, Szakmary*

### **The Finance Concentration**

The finance concentration requires a minimum of four courses chosen from among the finance courses in addition to the pre-business and business core requirements outlined above. A maximum of six courses can be taken in any area of concentration. The finance concentration offers optional curriculum tracks.

#### **Finance Concentration Program Tracks (suggested courses and sequences)**

(1) CFA Track (emphasis on investments and securities)

FIN 366 Investments  
FIN 462 International Financial  
Management  
FIN 466 Fixed Income and Derivative  
Securities  
FIN 467 Portfolio Management and  
Analysis  
FIN 468 Student-Managed Investment Fund  
(senior year)

#### **Suggested Supporting Courses:**

ACCT 320 Financial Statement Analysis  
ECON 200 The Economics of Money,  
Banking and Financial Markets  
FIN 461 Cases and Financial Modeling

(2) Corporate Finance Track

FIN 361 Corporate Finance  
FIN 366 Investments  
FIN 461 Cases and Financial Modeling  
FIN 462 International Financial  
Management  
FIN 464 Essentials of Cash Management  
(senior year)

#### **Suggested Supporting Courses:**

ACCT 301-302 Intermediate Financial  
Accounting I-II  
ACCT 320 Financial Statement Analysis  
ECON 200 The Economics of Money,  
Banking and Financial Markets

#### **NOTES:**

- 1) Students planning to enroll in Finance 468 should complete Finance 366 during their junior year.
- 2) Program tracks do not affect the finance concentration requirements of the B.S.B.A. degree.

3) IBUS students taking Finance 462 and concentrating in finance need only three additional courses in finance.

### **Special Opportunities and Graduate Work Preparation**

Students are encouraged to speak to their academic advisors about special opportunities in programs such as the Student-Managed Investment Fund; Chartered Financial Analyst Student Program; Federal Reserve Challenge; Investments Club; and Business Conditions and Analysis Review.

Students interested in graduate work should consider taking ECON 340 Econometrics. In addition, a math minor or a combination of MATH 212 Calculus II; MATH 235 Multivariate Calculus; MATH 245 Linear Algebra; MATH 329 Probability; and MATH 330 Mathematical Statistics would be especially helpful for students interested in pursuing a Ph.D. in finance.

### **Courses**

#### **FIN 200 Personal Finance**

Major changes in financial institutions, new methods of borrowing, expanded insurance products, and new investment vehicles that have changed how we live our lives and organize our finances. Personal finance addresses all of the major personal financial planning problems that individuals and households are expected to encounter, including how to set savings goals, assess career choices, use banking, credit, and other financial services, make good investment decisions, and compare insurance products. This course does not count towards the finance concentration.

**Unit(s):** 1

#### **FIN 360 Principles of Financial Management**

Analysis and examination of financing, investment, and dividend decisions of business organizations. Financial management in the global environment.

**Prerequisite(s):** Accounting 201, Economics 101-102, and Business Administration 201 (Business Administration 201 may be taken concurrently). Business School major. Business School minor.

**Unit(s):** 1

#### **FIN 361 Corporate Finance**

The study of theory and practice of corporate finance with special emphasis on the evaluation and financing of capital expenditures. The goal is for the student to become thoroughly competent in areas of financial mathematics, capital budgeting analysis, and capital structure theory. Topics covered include decision tree analysis, sensitivity analysis, non scale-enhancing projects, dividend policy, rights offerings, call policy, warrants, convertible debt, international corporate finance, financial distress, and financial planning.

**Prerequisite(s):** Finance 360. Business School major.

**Unit(s):** 1

**FIN 363 Risk Management and Insurance**

Risk management, principles and theory of insurance, personal and business needs served by insurance.

**Prerequisite(s):** Finance 360. Business School major.

**Unit(s):** 1

**FIN 366 Investments**

Security markets, investment theory, security valuation and selection. Application of investment concepts. International, derivative, and option markets.

**Prerequisite(s):** Finance 360. Business School major.

**Unit(s):** 1

**FIN 368 Directed Independent Study**

Independent research on a finance topic conducted under the direct supervision of an instructor. Does not count as one of the required finance concentration courses unless written permission is obtained from the department chair in advance.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .5-1

**FIN 369 Selected Topics in Finance**

Topics depend on mutual interests of instructor and students. Intended primarily as elective for finance and business administration students.

**Prerequisite(s):** Finance 360 and permission of instructor. Business School major.

**Unit(s):** .5-1

**FIN 461 Cases and Financial Modeling**

Case study analysis of corporate financial policies and strategies. Includes development of spreadsheet-based models to analyze corporate financial strategies and valuation issues and an investigation into measuring and managing the value of companies.

**Prerequisite(s):** Finance 360, Business School major.

**Unit(s):** 1

**FIN 462 International Financial Management**

Focuses on study and analysis of financial markets confronting globally oriented firms. Currency markets, international capital markets, risk exposure, risk management techniques, and valuation principles in global economy. Emphasis on application of financial management principles for multinational firms.

**Prerequisite(s):** Finance 360. Business School major.

**Unit(s):** 1

**FIN 464 Essentials of Cash Management**

Focuses on fundamental knowledge and skills required for treasury and working capital management. Topics include current developments in treasury management, banking deregulation, and international cash management. Course has an emphasis on decision-making and company valuation.

**Prerequisite(s):** Finance 360. Business School major.

**Unit(s):** 1

**FIN 465 Technical Analysis**

Involves study of supply and demand through data generated by the action of markets and through the study of psychology and behavior of the various market participants. Will cover basic tools of technical analysis including the Dow theory, techniques of chart construction and interpretation, momentum and cycle studies, relative strength, industry group analysis, investor sentiment, contrary opinion, and intermarket relationships. Emphasis will be placed on practical application of these tools to the investment decision-making process for both the short- and long-term. Studies will be taken from both

historical and real-time situations.

**Prerequisite(s):** Finance 360. Business School major.

**Unit(s):** 1

**FIN 466 Fixed Income and Derivative Securities**

Focuses on institutional features, pricing, risk management in fixed income, futures, option, and swap markets. Fixed income topics include bond sectors and yield spreads, arbitrage-free valuation, forward rates and term structure theories, and interest rate risk. Derivatives topics include futures pricing, option payoffs and strategies, option pricing, option sensitivities and hedging, and swaps.

**Prerequisite(s):** Finance 366. Business School major.

**Unit(s):** 1

**FIN 467 Portfolio Management and Analysis**

Analyzing financial data and analysis of securities. Selection of securities and portfolios to meet investment objectives and measure portfolio performance. International dimensions of portfolio management and risk/return matrix.

**Prerequisite(s):** Finance 366. Business School major.

**Unit(s):** 1

**FIN 468 Student-Managed Investment Fund**

Authority and attendant responsibilities of managing part of University of Richmond's endowment fund. Initial value of portfolio was \$200,000. Enrollment is open to seniors only and is limited. Students enroll in fall semester for two consecutive semesters with grade awarded at end of spring term. Does not count towards the finance concentration.

**Prerequisite(s):** Finance 467, permission of department. Business School major.

**Unit(s):** 1

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## International Business

*Thomas J. Cossé, Associate Dean for International Business Programs*

## The International Business Concentration

International business issues are covered throughout the Robins School curriculum. However, for those students who wish to study international business in greater depth, the international business concentration is offered. Students concentrating in international business must complete the standard set of courses required of all Robins School students. These courses provide the foundation upon which the business program is built. International business students also must satisfy international knowledge and international experience requirements. A grade of C or better must be earned in each course used to meet international knowledge requirements.

### International Knowledge Requirements

These requirements consist of international business knowledge and international cultural and social knowledge.

International Business Knowledge, five courses, including

- IBUS 381 International Business Environment
- IBUS 411 International Business Strategy
- One course chosen from

ACCT 315 International Accounting Issues  
FIN 462 International Financial Management  
or other international focused accounting or finance course approved by the associate dean for international business programs

- One course chosen from

MKT 325 International Marketing  
MGMT 333 International Management  
IBUS 390 International Business Issues  
or other international focused management or marketing course approved by the associate dean for international business programs

- One international economics course chosen from

ECON 210 The Economics of the European Union

ECON 211 Economic Development in Asia, Africa and Latin America  
 ECON 310 International Trade and Finance  
 or other international focused economics course approved by the associate dean for international business programs

This requirement may be met by completing an approved internship in the U.S. in an organization's international section, or by working in an organization located outside the U.S.

*Note: One course in international business knowledge from accounting, finance, marketing or management can apply to a second concentration.*

*Notes: Subject to prior approval of the associate dean for international business programs, working abroad may satisfy both the international work experience requirement and one of the two international cultural experience requirements.*

International Cultural and Social Knowledge, two courses, including

- One approved course with an international focus from the humanities. A list of approved humanities courses is available on the international business website.
- One approved course with an international focus from the social sciences. A list of approved social science courses is available on the international business website

### Cross-School Majors

Four cross-school majors are offered by the Robins School of Business International Business Program and the School of Arts and Sciences departments of Modern Literatures and Cultures and Latin American and Iberian studies. These programs are designed for students who wish to double major in business administration with an international business concentration and in French, German, Italian or Latin American and Iberian studies. Additional information may be obtained from the Department of Modern Literatures and Cultures or the Department of Latin American and Iberian Studies.

### International Experience Requirements

The international experience requirements consist of cultural experiences and a work experience.

Students pursuing a cross-school major select either the Robins School of School or Arts and Sciences as their home school. Those selecting the Robins School will earn a Bachelor of Science in Business Administration degree; those selecting the School of Arts and Sciences will receive a Bachelor of Arts degree.

1. International Cultural Experience: Students concentrating in international business must complete two of three international cultural experiences:
  - Successfully complete an approved university-level program of study in a foreign country for at least one semester;
  - Demonstrate proficiency in a second language. This may be done by earning a grade of C or better in a commercial language course (e.g., FREN 306 French at Work, LAIS 306 Spanish in Business) or in a 300-level conversation course (e.g., ITAL 301 Italian Conversation, RUSN 301 Russian Conversation), or by earning a satisfactory score on an appropriate language proficiency examination;
  - Live in another country for at least 12 continuous weeks other than study abroad experience.
2. International Work Experience: An international work experience is required for the international business concentration.

### 1. Chinese and International Business

9 courses and an interdisciplinary research project (IDST 379), in addition to completing all requirements of the international business concentration for the business administration major, including:

- CHIN 410: Business Chinese, and
- FOUR courses at the 300-level or above, chosen from

CHIN 301 Advanced Intermediate Chinese  
 CHIN 302 Conversational Chinese  
 CHIN 311 Insights into Chinese Culture  
 CHIN 401 Crossing Cultural Boundaries  
 CHIN 402 Advanced Syntax and Composition  
 CHIN 497 Selected Topics



- One semester full-time study in China or Taiwan at an approved university

The cross-school major in Chinese and International Business represents a collaborative project between the Department of Modern Literatures and Cultures and the International Business Program in the Robins School of Business. Designated faculty members from each program will advise students upon declaration and as they progress through the major. The curriculum includes a semester abroad at one of the University's partner institutions (for example, Tsinghua University in Beijing or National Chengchi University in Taiwan). There, students will continue their course work in Chinese Studies and business in classes with both local and other international students.

To prepare for the experience abroad, students must have taken CHIN 202 or the equivalent. Upon returning to the University of Richmond, they will broaden their knowledge of literary and cultural studies through advanced seminars as well as additional Robins School of Business coursework. The Chinese component of this program thus consists of five courses at the 300-level or above taken on campus plus four courses taken abroad, or the equivalent of a nine-course major in MLC.

## 2. French and International Business

9 courses and a senior project (498-499) in addition to completing all requirements of the international business concentration for the business administration major, including

- Three 300-level courses (at least one FSLT), normally taken prior to study abroad
- Two 400-level seminars following required study abroad
- One semester full-time study at an approved business school (with all-French curriculum) in a French-speaking country (four courses)
- IDST379 Interdisciplinary Research Project

A senior research project (taken for a half-unit as IDST 379) on a comparative topic dealing with international business and French/Francophone culture, 15 pages, written in French or in English, making significant use of primary and secondary sources in both languages, conducted through independent study.

The French major/international business option represents a collaborative project between the Department of Modern Literatures and Cultures in the School of Arts and Sciences and the International Business Program in the Robins School of Business. Designated faculty members from each program will advise students upon declaration and as they progress through the major. The curriculum includes a semester abroad at one of the University's partner institutions with all-French curriculum (for example, EPSCI-Groupe ESSEC, Rouen Business School, or Université Catholique de Lille). There, students will continue their business concentrations in classes with both local and other international students.

To prepare for the experience abroad, students will have a solid base of 300-level French courses taken on the Richmond campus. Upon return, they will broaden their knowledge of literary and cultural studies through advanced seminars as well as additional Robins School of Business coursework. The French component of this program thus consists of five courses taken on campus plus four or five courses taken abroad, or the equivalent of a nine-course major in MLC.

## 3. German Studies and International Business

9 courses in addition to completing all requirements of the international business concentration for the business administration major, including

- Five units in German at the 300 or 400 level
- One semester full-time study at Universität Münster School of Business and Economics (4 courses)
- IDST 379 Interdisciplinary Research Project

A senior writing project (taken for one half unit as IDST 379) on a comparative topic dealing with international business and German culture, 20 pages, written in English or in German, making significant use of primary and secondary materials in both languages, conducted through independent study.

The German major/international business option represents a collaborative project between the Department of Modern Literatures and Cultures in the School of Arts and Sciences and the International Business Program in the Robins School of Business. Designated faculty members from each program will advise students upon declaration and as they progress

through the major. The curriculum includes a semester abroad at one of the University's partner institutions. There, students will continue their Robins School concentrations and their German studies in classes with both local and other international students.

In order to prepare for the experience abroad, students in German will need to have completed at least German 202 on the Richmond campus. Students must take at least two courses in German at the Universität Münster.

Students are required to take one 400-level course in German upon their return.

#### 4. Italian Studies and International Business

9 courses in addition to completing all requirements of the international business concentration for the business administration major, including

- Five courses in Italian at the 300 or 400 level
- One semester full-time study at Bocconi University of Economics and Business Administration (four courses). In order to prepare for the experience abroad, students will need to have completed ITAL 221 on the Richmond campus. Students must take at least one concurrent course in Italian while at Bocconi.
- One 400-level course in Italian upon return from study abroad.

Designated faculty members from each program will advise students upon declaration and as they progress through the major.

#### 5. Latin American and Iberian Studies and International Business

9.5 units in addition to completing all requirements of the international business concentration for the business administration major, including

- Two units, chosen from  
  
LAIS 301-306 (must be taken prior to study abroad)
- One unit, chosen from

LAIS 321 Literary Spain  
LAIS 331 Introduction to Spanish American Literature I  
LAIS 332 Introduction to Spanish American Literature II

- Two units in LAIS at the 400 level, one of which must be taken upon return from study abroad
- One semester in Latin America or Spain at an approved institution with an all-Spanish curriculum in business such as Universidad Torcuato di Tella in Argentina, Universidad de Deusto in Spain, Universidad Carlos II de Madrid, or Instituto Tecnológico y de Estudios Superiores de Monterrey in Mexico. In order to prepare for the experience abroad, students will have a solid base of 300-level LAIS courses taken on the Richmond campus.
- LAIS 496 Senior Symposium

#### Dual Diploma with Rouen Business School

International business students may apply for the dual diploma program with Rouen Business School, one of the oldest ESCs in France. Designed for highly qualified international business students, students study at Rouen Business School during their junior year, where they will complete the Rouen B.Sc. in International Business - Institut de Formation International (IF) third-year curriculum. Additionally, an approved work placement/internship and a significant research project must be completed. When the student returns to the University of Richmond and completes requirements for the B.S.B.A. degree with an international business concentration, the BSc in International Business Diplôme de l'Institut de Formation Internationale will be awarded by Rouen Business School. Contact the associate dean for international business programs for additional information on the dual diploma program.

#### Courses

##### **IBUS 381 International Business Environment**

Introduction to field of international business: national economic and cultural differences; international trade policies and institutions; foreign direct investment; regional economic integration; international monetary system; global competition; current international business trends and developments.

**Prerequisite(s):** At least junior standing.

**Unit(s):** 1

**IBUS 388 Selected Topics in International Business**

Examination of major area of international business not routinely studied in other courses.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .5-1

**IBUS 389 Directed Independent Study**

Independent research on an international business topic conducted under the direct supervision of a faculty member.

**Prerequisite(s):** Permission of the instructor.

**Unit(s):** .5-1

**IBUS 390 International Business Issues**

Examination of a variety of international business issues. Recent topics have been national competitiveness and the global imperative; the truth about outsourcing. Specific topic determined by professor and announced during the registration period.

**Prerequisite(s):** At least junior standing; other prerequisites may be specified by instructor.

**Unit(s):** 1

**IBUS 411 International Business Strategy**

Capstone course for the international business concentration. Readings and in-depth case studies on strategy formulation and implementation in the global business area. Emphasis on emerging competitive trends such as transnational enterprises and collaborative international business arrangements. This course may be completed in lieu of BUAD 497 Strategic Management.

**Prerequisite(s):** International Business 381 and senior standing.

**Unit(s):** 1

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## Management

*Lewis A. Litteral, Chair*  
*Professors Ashworth, Eynan, Harrison, New, Tallman*

*Associate Professors Coughlan, Deans, Ho, Litteral, Phillips*  
*Assistant Professors Bosse, Pollack, Shi, Thompson, Whitaker*

### The Management Concentration

Students may meet the requirements of the management concentration by completing four units chosen from management courses (track 1) or by completing the requirements of the innovation and entrepreneurship track (track 2). A maximum of six units may be taken in any area of concentration.

Management Concentration Program Tracks  
(suggested courses)

(1) General Management Track (select four courses)

- MGMT 331 Personnel/Human Resource Management
- MGMT 333 Cross-Cultural Management
- MGMT 339 Directed Independent Study
- MGMT 344 Bargaining and Negotiations in Organizations
- MGMT 345 Management Science
- MGMT 346 Systems Analysis and Design
- MGMT 347 Innovation and Entrepreneurship
- MGMT 348 Environmental Management
- MGMT 349 Selected Topics in Management
- MGMT 350 Creating a Business Plan

(2) Innovation and Entrepreneurship Track (three required courses plus two electives)

Required Course:

- MGMT 347 Innovation and Entrepreneurship

Select at least two of the following three courses:

- MGMT 350 Creating a Business Plan
- BUAD 393 Managing Entrepreneurial Finances
- MKT 422 Entrepreneurial Marketing Management

Plus two electives, chosen from the following list (the third course from above list can serve as one of the electives):

- ECON 220 History of Economic Thought
- ENGL 216 Literature, Technology and Society
- LAW 641 Intellectual Property
- LDST 101 Leadership and the Humanities
- LDST 102 Leadership and the Social Sciences
- MGMT 331 Personnel/Human Resource Management
- MGMT 344 Bargaining and Negotiation in Organizations
- MGMT 348 Environmental Management
- MGMT 349 ST: Leadership
- MKT 324 Sales Management
- MKT 326 Marketing Research and Analysis
- MKT 424 Consumer Behavior
- MUS 345 Philanthropy in the Arts
- RHCS 102 Interpersonal Communication
- THTR 212 Basics of Acting

## Courses

### **MGMT 320 Business Information Systems**

An integrated perspective of the information architecture, organization structure, and systems infrastructure of large firms. The study of the applications and processes firms use to gather, store, analyze, and exchange data to both generate knowledge and support business decisions.

**Prerequisite(s):** Accounting 201, Business Administration 201, Economics 101-102. Business School major or minor.

**Unit(s):** .5

### **MGMT 330 Organizational Behavior**

Behavioral science concepts and their application to analysis of individual and group behavior in an organizational setting. Conceptual areas include organizational culture, personality, motivation, learning, perception, communications, attitudes, and small groups.

**Prerequisite(s):** Accounting 201, Business Administration 201, Economics 101-102. Business School major. Business School minor.

**Unit(s):** 1

### **MGMT 331 Personnel/Human Resource Management**

Human resources decisions made by managers in general, and personnel managers in particular. Steps

in employment relationship including job design, human resources requirements, staffing, training, goal setting, performance assessment, rewards, and human resource planning and development.

**Prerequisite(s):** Management 330 or permission of instructor. Business School major.

**Unit(s):** 1

### **MGMT 333 Cross-Cultural Management**

Introduction to challenges and opportunities associated with organizational management in the international context. Focuses on key cultural dimensions and differences across countries, and how management principles and concepts (e.g., motivation, leadership, communication, teams) can be applied and adapted to an international, cross-cultural environment.

**Prerequisite(s):** Management 330. Business School major.

**Unit(s):** 1

### **MGMT 339 Directed Independent Study**

Independent research on a management topic conducted under the direct supervision of an instructor.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .5-1

### **MGMT 340 Operations Management**

Introduces a variety of common operations issues that frequently are dealt with both in manufacturing and services industries and that affect other functions of the business. Specific topics include inventory systems, process design and control, quality, and forecasting.

**Prerequisite(s):** Accounting 201, Business Administration 201, Economics 101-102. Business School major. Business School minor.

**Unit(s):** 1

### **MGMT 344 Bargaining and Negotiations in Organizations**

Multi-disciplinary study of concepts related to bargaining and negotiations. Situations involving interpersonal behavior and group conflict will be examined, using research findings from several academic disciplines including psychology, communications, and organizational behavior. A

primary objective is to have students discover and improve their own bargaining styles through participation in role-plays and simulations based on real-life scenarios.

**Prerequisite(s):** Management 330. Business School major.

**Unit(s):** 1

### **MGMT 345 Management Science**

Application of quantitative methods. Typical business problem areas: scheduling, inventories, queues, allocation of resources, and market strategies.

**Unit(s):** 1

### **MGMT 346 Systems Analysis and Design**

Focuses on issues related to developing information systems using modern desktop tools. Will help students learn specific data and process modeling techniques and experience design process, which will increase their chances of a quality end-user solution when they are in a real business situation.

**Unit(s):** 1

### **MGMT 347 Innovation and Entrepreneurship**

Provides an overview of new venture formation process with the objective of providing students with the skills they will need to recognize opportunities and develop them into value-producing initiatives. Emphasis on identifying ideas that provide business opportunities and conducting feasibility analysis to determine their business potential.

**Prerequisite(s):** Accounting 201, Business Administration 201, Economics 101-102. Business School major.

**Unit(s):** 1

### **MGMT 348 Environmental Management**

Study of various challenges being faced by today's organizations created by heightened concern for the protection of our natural environment. Topics studied include such issues as air and water pollution, waste management, and global warming.

**Prerequisite(s):** Accounting 201, Business Administration 201, Economics 101-102. Business School major.

**Unit(s):** 1

### **MGMT 349 Selected Topics in Management**

Intended primarily as elective for students in business administration or to provide introductions to branches of management not covered in other courses.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .5-1

### **MGMT 350 Creating a Business Plan**

Development of a plan for a new business venture.

**Prerequisite(s):** Accounting 201, Business Administration 201, Economics 101-102. Business School major.

**Unit(s):** 1

## **Marketing**

*Dana Lascu, Chair*

*Professors Babb, Cossé, Lascu, Ridgway*

*Associate Professor Kukar-Kinney*

*Assistant Professor Marquardt*

### **The Marketing Concentration**

The marketing concentration requires a minimum of four courses, including MKT 326 Marketing Research and Analysis, chosen from among the marketing courses. A maximum of six courses can be taken in any area of concentration.

*Note: IBUS students taking MKT 325 and concentrating in marketing need only three additional units in marketing courses.*

### **Courses**

#### **MKT 320 Principles of Marketing**

Activities by which the planning and exchange of ideas, goods, and services are explained from inception to final consumption. Analysis of markets and their environments, development of marketing strategy, evaluation and control of marketing programs.

**Prerequisite(s):** Accounting 201, Business Administration 201, and Economics 101-102. Business School major or minor.

**Unit(s):** 1



**MKT 322 Product Management**

Decisions made by brand manager as product moves through its life cycle including new product development, product management, and product portfolio assessment. Uses case study and lecture.

**Prerequisite(s):** Marketing 320. Business School major.

**Unit(s):** 1

**MKT 324 Sales Management**

Sales force management program; allocation of sales effort; recruiting; selection and training, motivation, supervision, compensation, evaluation, and control of the sales force; elements of the personal selling process.

**Prerequisite(s):** Marketing 320. Business School major.

**Unit(s):** 1

**MKT 325 International Marketing**

Global market and its influence on domestic as well as international marketing including cultural, political, and economic factors. Analysis includes screening of foreign markets for entry of U.S. products and subsequent development of market plans as well as strategic responses to effects of international trade on U.S. market.

**Prerequisite(s):** Marketing 320. Business School major.

**Unit(s):** 1

**MKT 326 Marketing Research and Analysis**

Concepts, methodology, and techniques. Research design and statistical analysis. Validity and reliability of research information. Note: Marketing 326 is required in the marketing concentration area.

**Prerequisite(s):** Marketing 320 and Business Administration 301. Business School major.

**Unit(s):** 1

**MKT 328 Directed Independent Study**

Independent research on a marketing topic conducted under the direct supervision of an instructor.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .5-1

**MKT 329 Selected Topics in Marketing**

Major areas in marketing such as retailing, personal selling, industrial marketing, service marketing, and advanced market research. Specific area varies by semester.

**Prerequisite(s):** Permission of instructor.

**Unit(s):** .5-1

**MKT 421 Integrated Marketing Communications**

Focus on coordination of organization's whole communications strategy to convey a consistent message to target customer.

**Prerequisite(s):** Marketing 320. Business School major.

**Unit(s):** 1

**MKT 422 Entrepreneurial Brand Management**

Entrepreneurship and the process of conceiving, evaluating, developing, and managing brands. Provides theoretical and applied understanding of entrepreneurship and brand management - placing specific emphasis upon the processes used in generating and capturing brand equity under resource-constrained conditions.

**Prerequisite(s):** Marketing 320. Business School major.

**Unit(s):** 1

**MKT 423 Database Marketing**

An overview of techniques for manipulating, analyzing, and presenting marketing data. Techniques are applied to major types of marketing databases: survey, scanner, direct marketing, and census data. Students will make extensive use of SPSS, Excel, and Answer Tree software packages.

**Prerequisite(s):** Marketing 320. Business School major.

**Unit(s):** 1

**MKT 424 Consumer Behavior**

Emphasis on understanding of individuals as consumers and organizational buyers; actions consumers engage in while selecting, purchasing and using products or services in order to satisfy needs and desires. Focus on psychological, emotional, social, and physical processes that precede or follow these actions; how offerings can be targeted more efficiently and effectively to consumer.



**Prerequisite(s):** Marketing 320. Business School major.

**Unit(s):** 1

### **MKT 425 Sports Marketing**

Overview of the essentials of effective sports marketing, addressing two broad perspectives of sports marketing: the marketing of sports, and the marketing through sports. Covers the sports consumer, sports and sports-related product offerings, brand management, sponsorship, licensing, strategy development, research resources and techniques, and career opportunities.

**Prerequisite(s):** Marketing 320. Business School major.

**Unit(s):** 1

### **MKT 427 Marketing Case Analysis**

Application of marketing concepts to analysis and formulation of marketing programs using case studies.

**Prerequisite(s):** Marketing 320. Business School major.

**Unit(s):** 1

### **MKT 428 Strategic Market Planning**

Senior-level honors course. Students working in small teams act as "consultants" to local businesses in developing a strategic market plan for their assigned product. Formal written reports and presentations will be developed and presented.

**Prerequisite(s):** Marketing 320. Business School major. Senior standing.

**Unit(s):** 1

The Jepson School of Leadership Studies seeks to develop in each student a base of knowledge for understanding leadership in a variety of settings. Curriculum goals are achieved through courses that emphasize both leadership theory and practice, thus helping students connect knowledge gained through coursework to the world outside of the classroom.

### **Admission Procedures**

Students wishing to major or minor in leadership studies must apply for admission to the Jepson School during the fall semester of their second year. A faculty committee reviews applications and chooses students based on essays and academic performance as well as faculty recommendations and extracurricular activities.

Prospective majors and minors must have completed or be enrolled in LDST 101 Leadership and the Humanities or LDST 102 Leadership and the Social Sciences to be considered for admission to the program. Both courses are required for the major and minor, but either course may be taken as a first course in leadership studies. After taking LDST 101 or LDST 102 and prior to admission, students may also take LDST 205 Justice and Civil Society. Electives are open to all students at the University. Students seeking admission to the School are encouraged to attend information sessions, which are held in the fall. Application packages are available from the Associate Dean for Student and External Affairs. The application deadline is October 1 or next business day. The new class is notified of acceptance in late October or early November and the new class is welcomed into the Jepson community at the Prelude ceremony in November.

For further information, please contact:  
*Associate Dean for Student and External Affairs,*  
*Jepson School of Leadership Studies*  
*28 Westhampton Way,*  
*University of Richmond, VA 23173*  
*Telephone: (804) 289-6082*

## **Jepson School of Leadership Studies**

The Jepson School of Leadership Studies offers a Bachelor of Arts degree with a major in leadership studies, as well as a minor in leadership studies. To earn this degree a candidate must satisfactorily complete the curricular requirements outlined in the following section and meet the general degree requirements of the University.

## **Leadership Studies**

### **Jepson School of Leadership Studies**

*Professors Ciulla, Forsyth, Goethals, Hickman, Hicks, Kaufman, McDowell, Peart, Price, Wren*  
*Associate Professors Hoyt, Williamson*  
*Assistant Professors Bezio, Walker*

### The Leadership Studies Major

**Note:** The grade point average of the coursework comprising the major must be no less than 2.0, with no course grade below a C- (1.7).

Students wishing to major or minor in leadership studies must apply for admission to the Jepson School of Leadership Studies during the fall semester of their second year.

A minimum of 11 units, including:

- LDST 101 Leadership and the Humanities
- LDST 102 Leadership and the Social Sciences
- LDST 205 Justice and Civil Society
- LDST 250 Critical Thinking and Methods of Inquiry
- LDST 300 Theories and Models of Leadership
- LDST 450 Leadership Ethics
- LDST 488 Internship
- At least 1 unit numbered above 300 chosen from approved courses in the Ethical Area
- At least 1 unit numbered above 300 chosen from approved courses in the Historical area
- At least 1 unit numbered above 300 chosen from approved courses in the Social/Organizational area
- One additional unit of advanced courses numbered above 300, not including LDST 450 and LDST 488

Advanced coursework may include one unit of collaborative study, one unit of independent study, one unit of honors thesis work, or one unit of senior thesis work. Area requirements apply only to students entering Fall 2010 and after.

### The Leadership Studies Minor

**Note:** The grade point average of the coursework comprising the minor must be no less than 2.0, with no course grade below a C- (1.7).

A minimum of 8 units, including:

- LDST 101 Leadership and the Humanities
- LDST 102 Leadership and the Social Sciences
- LDST 205 Justice and Civil Society

- LDST 250 Critical Thinking and Methods of Inquiry
- LDST 300 Theories and Models of Leadership
- LDST 450 Leadership Ethics
- Two additional units of advanced courses numbered above 300, not including leadership ethics, collaborative study, independent study, or thesis work. The two units must be in different areas.

### Ethical Area Courses

LDST 307 Leadership in International Contexts  
 LDST 355 Competition, Cooperation, and Choice  
 LDST 361 Sex, Power, and Politics  
 LDST 371 Moral Limits of the Criminal Law  
 LDST 374 Contemporary Debates in Democratic Theory  
 LDST 376 Leadership and Governance in the Contemporary American Metropolis  
 LDST 377 Ethical Decision Making - Health Care  
 LDST 387 Leadership and Religious Values

### Historical Area Courses

LDST 303 Leadership in Political Contexts  
 LDST 304 Social Movements  
 LDST 306 Leadership in Cultural and Historical Contexts  
 LDST 308 The Creation of the American Republic  
 LDST 340 Early Modern Crises in Leadership  
 LDST 342 Dead Leaders Society  
 LDST 345 Civil War Leadership  
 LDST 352 Presidential Leadership  
 LDST 378 Statesmanship  
 LDST 379 Reason, Rhetoric and Leadership

### Social/Organizational Area Courses

LDST 302 Leadership in Organizations  
 LDST 320 Good and Evil  
 LDST 325 Leading Socially Active Businesses  
 LDST 351 Group Dynamics  
 LDST 354 Conflict Resolution  
 LDST 356 Leading Change  
 LDST 359 Gender and Leadership  
 LDST 386 Leadership in a Diverse Society

### Honors in Leadership Studies

The Jepson School faculty offers a track by which students with a proven academic record of intellectual initiative and scholarly drive can earn honors in leadership studies. The faculty invites interested students to apply for the honors track. The deadline for this application is October 1 of the student's junior year. To qualify, a student must be a

leadership studies major, hold at least a 3.30 cumulative GPA and at least a 3.30 leadership studies GPA, and have earned a B or higher in at least four leadership studies courses. The application form is available for qualified juniors from the Associate Dean for Academic Affairs.

Once accepted to the honors track, in order to receive honors in leadership studies, a student must:

- Enroll in LDST 399 Junior Honors Tutorial, for spring semester of junior year. (Students planning to study abroad during this semester may make alternate arrangements with the Associate Dean for Academic Affairs and relevant faculty members.)
- Submit a five-page proposal and preliminary bibliography to be accepted by the course instructor and a Jepson faculty thesis advisor.
- Enroll in LDST 497 and 498, Senior Honors Thesis I and II, during senior year.
- Successfully present one chapter, bibliography, and chapter-by-chapter outline of thesis to the student's committee by the last day of classes in the fall semester of senior year.
- Successfully defend thesis before the student's committee by the last day of classes in the spring semester of senior year.
- Complete undergraduate program with at least a 3.30 cumulative GPA and at least a 3.30 leadership studies GPA.

The student in the honors track must complete all aspects of the standard Jepson curriculum. Leadership Studies 497 and 498 can count for a maximum of one unit of advanced course credit.

### Concentrations in Leadership Studies

The Jepson School Faculty offers a track by which leadership studies majors can pursue a concentration in an area of leadership studies. Possible concentrations include: international leadership, political leadership, the psychology of leadership, law and leadership, leadership ethics, social justice, gender and leadership, organizational leadership, and religious leadership.

At the beginning of fall semester in junior year, leadership studies majors interested in pursuing a concentration should meet with potential concentration advisors and get approval for a

concentration plan. By October 1 of junior year, the student should submit the concentration proposal to the Associate Dean for Academic Affairs who will take the proposal before the academic affairs committee. Approval will be contingent on Jepson School expertise in the proposed area of concentration and course availability.

Once the concentration is approved, the student must:

- Complete four approved advanced courses (300-level or above) in the area of concentration. At least one of these courses must be an LDST course. At least one of these courses must be outside LDST. Cross-listed courses count as LDST courses.
- Complete a senior thesis. The thesis will be evaluated by the concentration advisor and a second reader. The second reader may be outside the Jepson School. Students may count one unit of thesis work toward the advanced course requirement for the major. In order to satisfy the thesis requirement for a concentration, a student may opt to participate in the honors track and complete a thesis in the area of concentration.
- Complete the degree requirements for the B.A. in leadership studies. Concentrations will be restricted to LDST majors.

Concentrations require a minimum of 13 units. They will normally consist of 14-15 units.

### Study Abroad

Leadership studies students are encouraged to study abroad. Majors may count a maximum of one unit of study abroad credit toward the advanced course requirement. This course must enhance the student's academic plan in leadership studies. Determination of whether a course enhances a student's academic plan in leadership studies will be made by the Associate Dean for Academic Affairs and the student's Jepson advisor. Students are encouraged to study abroad in the spring of junior year, although alternate arrangements typically can be made to accommodate students planning to study abroad in the fall of junior year.

### Courses

#### LDST 101 Leadership and the Humanities

Introduction to leadership as an object of study through examination of its historical foundations and intellectual development. Readings selected from history, literature, philosophy, political theory, religion, and social theory. Emphasis on assessing these texts in light of reasoned argument and on drawing out their implications for leadership studies. This course may be taken before or after LDST 102.

**Unit(s):** 1

**LDST 102 Leadership and the Social Sciences**

Introduction to the study of leadership through theoretical and empirical explorations of social interaction. Readings selected from anthropology, economics, political science, psychology, and sociology. Emphasis on advancing the understanding of leadership through an increased appreciation of the rich complexities of human behavior. This course may be taken before or after LDST 101.

**General Education Requirement:** FSSA

**Unit(s):** 1

**LDST 205 Justice and Civil Society**

Exploration of contemporary society and understandings of justice. Readings on civil society, theories of justice, and analysis of poverty and related socio-economic problems. Includes a service learning component with critical reflection on community service to populations in need.

**Prerequisite(s):** Leadership Studies 101 or 102 or permission of instructor.

**Unit(s):** 1

**LDST 250 Critical Thinking and Methods of Inquiry**

Examination of knowledge and argumentation as they pertain to leadership. Analysis of scientific methodology and logic, language and interpretation, and their influence on the study and practice of leadership.

**Prerequisite(s):** Leadership Studies 101 or 102, and admission to the Jepson School of Leadership Studies as a major or minor.

**Unit(s):** 1

**LDST 290 Selected Topics**

Topics developed by Jepson school faculty, visiting faculty, or faculty in other schools of the University that address particular issues in leadership studies.

Examples may include leadership studies courses in the Sophomore Scholars in Residence program. May be taken more than once for credit if topics vary.

**Prerequisite(s):** Varies depending on topic.

**Unit(s):** .5-1

**LDST 300 Theories and Models of Leadership**

Examination of theories and models in leadership studies. Introduces role of theory in social science, and both classic and contemporary leadership theories/models are presented. Emphasis on critical analysis of theoretical perspectives.

**Prerequisite(s):** Leadership Studies 101, 102, and 250 and admission to the Jepson School of Leadership Studies as a major or minor.

**Unit(s):** 1

*Advanced courses in leadership studies have a primary focus in one of three areas: Social/Organizational, Historical, and Ethical. Students can meet the advanced course requirement by taking courses from any of the areas. These courses are offered on a rotating basis.*

**LDST 302 Leadership in Organizations**

Focus on leadership theory and research within and across formal organizational settings such as public/private, profit/nonprofit, professional/nonprofessional, and unitary/multidivisional. Examination of rational, natural, and open systems, and of how leadership differs in each system. Primary focus social/organizational.

**Prerequisite(s):** Leadership Studies 300.

**Unit(s):** 1

**LDST 303 Leadership in Political Contexts**

Informal and formal processes by which power and authority are exercised and leadership is selected within political systems in various settings. Examination of leadership in basic processes and institutions of government through case study of legislative issues. Primary focus historical.

**Unit(s):** 1

**LDST 304 Social Movements**

Exploration of history of leadership in social movements. Comparison and contrast of forms, mechanisms, and practices of leadership in various

stages of a social movement. Examination of values of leaders as expressed through stories of ordinary people involved in leadership in social movements. Primary focus historical.

**Unit(s):** 1

**LDST 306 Leadership in Cultural and Historical Contexts**

Analysis of impact of larger contextual factors on the process of leadership. Exploration of role of long-term social, political, economic, and intellectual forces, as well as the influence of cultural norms and values. Emphasis on application to actual leadership situations. Primary focus historical.

**Unit(s):** 1

**LDST 307 Leadership in International Contexts**

Comparative study of leadership in various cultures and in cross-cultural organizations. Topics include cultural and ethical influences on leadership, the relationship between leaders and followers in various cultures, and problems of cross-cultural leadership. Primary focus ethical.

**Unit(s):** 1

**LDST 308 The Creation of the American Republic**

Examines principles and practice of leadership within political context of the founding of the American Republic from 1776 through 1788. Primary focus will be on day-to-day work of the Constitutional Convention and the subsequent debates over ratification of the new constitution. Primary focus historical. (Same as Political Science 330.)

**Unit(s):** 1

**LDST 309 Leadership and the Common Good**

Examines political, social, economic, psychological, moral, and/or religious approaches to how societies determine and pursue goods in common. Attention to conceptions of well-being, how individuals and societies determine it, and how leaders and citizens achieve it. Focus on leadership challenge of negotiating tensions between individual and collective welfare, and how leaders in various contexts move citizens to embrace common goals.

**Unit(s):** 1

**LDST 320 Good and Evil**

An analysis of empirical studies of moral phenomena, examining such question as (a) What is humanity's moral nature? (b) Why do people act

morally or immorally? (c) What feelings and sentiments do people experience when they consider and act in ways both proper and improper? and (d) How do people see, construct, judge, perceive, and react to positive and negative feelings, thoughts, and behaviors? Primary focus social/organizational.

**Unit(s):** 1

**LDST 325 Leading Socially Active Businesses**

Examines a new business model in which company leaders go beyond charitable donations to humanitarian causes to facilitate the involvement of employees directly in community problem-solving and volunteering. Addresses questions such as the following. Does this form of leadership raise new expectations for business in the 21st century? Does it change the primary role of business? Is this approach sustainable? What are the motivations for this business model? Does this business model require a different form of leadership from traditional models? Primary focus social/organizational.

**Unit(s):** 1

**LDST 340 Early Modern Crises in Leadership**

Discussion of primary texts that disclose difficulties in formulating political and religious policy during the crises that start with the later Middle Ages in Western Europe and run into the seventeenth century. Students will be expected to evaluate as well currently influential interpretations of the crises and proposed resolutions. Specific subjects will be selected from a menu that includes medieval papal imperialism and decline, the development of early modern secular bureaucracies, Renaissance political theory, religious reformations, and religious wars as well as Machiavelli, More, Luther, Calvin, Whitgift, Lord Burghley, Queen Elizabeth I, Emperor Charles V, and King Henry IV (France). Primary focus historical.

**Unit(s):** 1

**LDST 342 Dead Leaders Society**

Exploration of the lives and times of important leaders of the past to gain insight into leadership, to learn how to evaluate leaders, and to gain expertise in better understanding the complex role that the surrounding context plays in the leadership relationship. Uses historical case studies to identify the leadership challenge and examine the values and activities of individuals in response to the mix of opportunities and constraints provided by fellow stakeholders and contemporary cultures, as well as by the long-term social, economic, and intellectual



forces. Primary focus historical.

**Unit(s): 1**

**LDST 345 Civil War Leadership**

A study of the events leading to the Civil War, and the military and political leadership on both Union and Confederate sides during the war. Topics include the roles of slavery and political leadership in starting the war, the leadership of Abraham Lincoln and Jefferson Davis during the war, and that of Generals Ulysses S. Grant, Robert E. Lee, James Longstreet, George B. McClellan, and William T. Sherman in shaping the outcome of the war. Primary focus historical.

**Unit(s): 1**

**LDST 351 Group Dynamics**

Introduction to scientific study of group processes through vocabulary, concepts, theories, and research. Both classic and contemporary theories and research are presented. Emphasis on both theoretical and applied components of group dynamics. Primary focus social/organizational.

**Unit(s): 1**

**LDST 352 Presidential Leadership**

A study of theories of presidential leadership and assessments of several presidencies, including those of George Washington, Andrew Jackson, Abraham Lincoln, Franklin Roosevelt, John F. Kennedy, Richard Nixon, Ronald Reagan, and Bill Clinton. Addresses the personal qualities and capacities as well as the situational and historical contingencies that influence the effectiveness of various presidencies. Also considers the nature of social perception and its role in appraisals of presidential performance. Special attention will be given to presidential campaigning and presidential debates. Each student will undertake the study of one or more presidents. Primary focus historical. (Same as Psychology 449.)

**Unit(s): 1**

**LDST 354 Conflict Resolution**

Understanding principles and dynamics of mediating disputes and achieving agreements between groups and individuals. Discussion of negotiating techniques and ethical issues related to use of such techniques by leaders. Use of simulations and exercises to practice skills for resolving conflicts. Primary focus social/organizational.

**Unit(s): 1**

**LDST 355 Competition, Cooperation, and Choice**

Economic approach to leadership examines how individuals come together in social settings (a market place, an organization, a political entity) to make distributive decisions. Particular focus on Adam Smith's analysis of the development of modern industrial society and on important policy debates about slavery, the franchise and eugenics. Consideration of Smithian insights applied to contemporary game theoretic and experimental research on the emergence of cooperative behavior in settings where individual interests sometimes conflict with the interest of the group (or society). Special attention to public goods games and institutional frameworks that facilitate cooperation in a repeated prisoner's dilemma setting: competition, repetition, punishment, and reciprocity. Primary focus ethical.

**Prerequisite(s):** ECON 101

**Unit(s): 1**

**LDST 356 Leading Change**

Examines theories, concepts, and processes of leadership and change in several contexts including organizational, community, political, and societal. Focuses on purpose or reason for leading change in social structures, human conditions, dominant ideas, or prevailing practices using theoretical and experiential approaches. Primary focus social/organizational.

**Unit(s): 1**

**LDST 359 Gender and Leadership**

Examination of gender, and leadership by focusing on the psychological literature related to gender, stigma, and leadership. Primary focus is on using empirical research to help decipher fact from myth, evaluating and analyzing the scientific merit of the research, and applying the research to real world situations. Focus will be on understanding prejudice, stereotyping, and stigma, analyzing perceptions of female leaders as well as experiences of these leaders, and considering strategies for change. Course may be taught from a non-empirical perspective. Primary focus social/organizational.

**Unit(s): 1**

**LDST 361 Sex, Power, and Politics**

Explores the processes by which "sexuality" is constituted and informs the leadership process. Readings on the social construction of gender,



theories of power, and conceptions of freedom will be coupled with analyses of policy debates on issues such as reproductive freedom, pornography, and gay rights. Primary focus ethical.

**Unit(s):** 1

**LDST 371 Moral Limits of the Criminal Law**

Engages John Stuart Mill's project to determine "the nature and limits of the power which can be legitimately exercised by society over the individual." The starting point for the course is Mill's defense of the "harm principle" in *On Liberty*. Discussions address questions about whether we would be justified in using the criminal law to limit the liberty of individuals who engage in offensive behavior, behavior that is harmful only to the actors themselves, or behavior that is thought to be immoral. Readings from thinkers such as James Fitzjames Stephen, Patrick Devlin, H.L. A. Hart, and Joel Feinberg. Primary focus ethical.

**Unit(s):** 1

**LDST 374 Contemporary Debates in Democratic Theory**

Examination of contemporary debates in democratic theory, drawing primarily on writings of political theorists supplemented by scholarship in empirical political science, sociology, and political economy as appropriate. Specific topics examined may include the distribution of political and economic power in democratic societies; the relationship between political institutions and economic actors; the role of citizens in sustaining democratic regimes; the role of normative values in public-policy making; the role of deliberation in democratic societies; and possibilities for institutional reform to expand democratic self-governance. Primary focus ethical.

**Unit(s):** 1

**LDST 376 Leadership and Governance in the Contemporary American Metropolis**

Examination of political, economic, and civic structure of contemporary American cities and their surrounding suburbs through the lens of contemporary democratic theory. Critically assesses historical and contemporary strategies for improving urban life employed by leaders in each of these sectors, with particular attention to the constraints these actors face. Specific topics discussed include transportation, land use, economic development and fiscal management, public education, crime, poverty, the formation of governing regimes, multiracial coalition building, and suburban sprawl. Primary

focus ethical.

**Unit(s):** 1

**LDST 377 Ethical Decision Making - Health Care**

Systematic examination of the central ethical decisions faced by leaders in medicine and healthcare. Topics include deception, decision making for incompetent patients, consent, abortion, euthanasia, disability, resource allocation, organ donation, and experimentation with human and non human animals. Readings by historical thinkers such as Jeremy Bentham, Immanuel Kant, and John Stuart Mill. Contemporary readings from bioethicists such as John Finnis, Judith Jarvis Thompson, Derek Parfit, Jonathan Glover, James Rachels, Peter Singer, and Ronald Dworkin. Primary focus ethical.

**Unit(s):** 1

**LDST 378 Statesmanship**

Focus on statesmanship through historical and biographical case studies of such figures as the American founders, Abraham Lincoln, and Winston Churchill. Also will seek to understand ways in which constitutional, legal, and political institutions can encourage, thwart, or direct leadership on a grand political scale. Primary focus historical. (Same as Political Science 310.)

**Unit(s):** 1

**LDST 379 Reason, Rhetoric and Leadership**

Consideration of the relationship between rhetoric and leadership. Focus will be on such examples as Thucydides' "History of the Peloponnesian War," the Declaration of Independence, "The Federalist Papers," and the oratory of Abraham Lincoln and Winston Churchill. Primary focus historical. (Same as Political Science 316.)

**Unit(s):** 1

**LDST 386 Leadership in a Diverse Society**

Focuses on historical and contemporary issues concerning the role, responsibility, and process of leadership in diverse communities, organizations or groups. Students use readings, projects and class exercises to examine leadership in diverse settings and in the classroom. Primary focus social/organizational.

**Unit(s):** 1

**LDST 387 Leadership and Religious Values**

Study of how persons draw on their religiously-based moral convictions as they lead and serve in a diverse society. Attention to public functions of religious ideas, practices, and communities. Focus on appropriate roles of religion in politics, the workplace, schools and universities, and civic organizations. Primary focus ethical. (Same as Religion 370.)

**Unit(s):** 1

**LDST 389 Research Methods**

In-depth examination of various research methods used in leadership studies. Consideration of issues associated with design of studies, collection of various kinds of data, writing research proposals and reports, and analysis of data.

**Prerequisite(s):** Leadership Studies 101 or 102 and admission to the Jepson School of Leadership Studies as a major or minor.

**Unit(s):** 1

**LDST 390 Selected Topics**

Topics developed by Jepson School faculty, visiting faculty, or faculty in other schools of the University that address particular issues in leadership studies. Examples may include leadership and psychology and literature and leadership. May be taken more than once if topics vary.

**Prerequisite(s):** Varies depending on topic.

**Unit(s):** .5-1

**LDST 399 Junior Honors Tutorial**

Juniors accepted to honors track (in fall of junior year) work with Jepson faculty members in this spring tutorial to develop thesis proposal and preliminary bibliography to be accepted by the course instructor and a Jepson faculty thesis advisor.

**Prerequisite(s):** Acceptance to honors track.

**Unit(s):** .5

**LDST 450 Leadership Ethics**

Application of moral theory to the values and assumptions of leadership, focusing especially on the ethical challenges of leaders past and present, group behavior, and leadership theory. Topics include self-interest, power, charisma, duty, obedience, and the greater good.

**Prerequisite(s):** Leadership Studies 300. Restricted

to senior majors and minors or by permission of instructor.

**Unit(s):** 1

**LDST 488 Internship**

Applied experience in field of leadership studies and accompanying seminar. Observations of leaders in government, corporate, or nonprofit settings. Students are expected to apply what they have learned in required courses such as Theories and Models. Majors only.

**Unit(s):** .5-1

**LDST 490 Independent Study**

Independent study allows students to pursue research on their own topic of interest under the supervision of a faculty member. Independent study proposals must be submitted to the associate dean for academic affairs at least two weeks before the beginning of classes for the semester in which the independent study is to take place. The independent research experience will culminate in a final written product.

**Prerequisite(s):** Department approval.

**Unit(s):** .5-2

**LDST 491 Collaborative Study**

Collaborative study provides students with the opportunity to conduct research collaboratively with a Jepson faculty member on a project of theoretical or methodological importance to the faculty member's program of research. Collaborative study must involve more than providing research assistance to an ongoing project; rather, the student must take responsibility for conducting original research of scholarly value. Collaborative study will be grounded in rigorous methods appropriate to the discipline in which the student is working and will culminate in a final written project.

**Prerequisite(s):** Department approval.

**Unit(s):** .5-2

**LDST 492 Directed Study**

Group reading and discussion in a specified area of leadership studies under faculty supervision.

**Prerequisite(s):** Department approval.

**Unit(s):** 1

**LDST 495-496 Senior Thesis I and II**

Year-long engagement in independent research project under supervision of faculty advisor.

**Prerequisite(s):** Department approval.

**Unit(s):** 1-1

### **LDST 497-498 Senior Honors Thesis I and II**

Year-long engagement in independent research to produce written thesis worthy of honors in leadership studies. See description of Jepson honors track for further details.

**Prerequisite(s):** Leadership Studies 399 and commitment of a faculty thesis advisor are required to register for 497; in December of senior year, upon oral presentation of research and proposal, Jepson faculty verifies permission to enroll in 498.

**Unit(s):** 1-1

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 Robert M. Schmidt, Interim Dean, Robins School of  
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 Robert H. Nicholson, Associate Dean for Academic  
 Affairs, Jepson School of Leadership Studies  
 Terry M. Weisenberger, Associate Dean for  
 Undergraduate Business Programs, The E. Claiborne  
 Robins School of Business

### Faculty of the School of Arts and Sciences

The year given designates the year of appointment.  
 The year with ( ) is the year of first appointment.

Abrash, Samuel A., Associate Professor of  
 Chemistry;

1990 B.A. (University of Chicago), Ph.D. (University  
 of California at Berkeley)

Abreu, Dixon, Director of Portuguese;  
 (2001) 2009 B.A. (Fordham University), M.A. (The  
 City College of New York City), Ph.D. (Tulane  
 University)

Achter, Paul J., Associate Professor of Rhetoric;  
 2004 B.A. (Concordia College), M.A. (North Dakota  
 State University), Ph.D. (University of Georgia)

Addiss, Stephen, Professor of Art History, Tucker-  
 Boatwright Professorship of Humanities;  
 1992 B.A. (Harvard University), M.A., Ph.D.  
 (University of Michigan)

Albert, Matthew T., Ensemble in Residence and  
 Visiting Instructor of Music;  
 2004 B.M., B.A., A.D. (Cincinnati College), M.M.  
 (Northwestern University)

Allison, Scott T., Professor of Psychology, MacEldin  
 Trawick Professorship in Psychology;  
 1987 B.A. (University of California at San Diego),  
 Ph.D. (University of California at Santa Barbara)

Anderson, Gene H., Professor of Music and Director  
 of Band;  
 1982 B.A. (Luther College), M.A., Ph.D. (University  
 of Iowa)

Anderson, William L., Assistant Professor of  
 Mathematics & Statistics;  
 2010 B.S., M.S. (University of California, Los  
 Angeles), M.S., Ph.D. (Cornell University)

Ashe, Bertram D., Associate Professor of English and  
 American Studies;  
 2004 B.A. (San Jose State University), M.A.  
 (Virginia Commonwealth University), Ph.D. (College  
 of William and Mary)

Bagwell, Catherine L., Associate Professor of  
 Psychology;  
 1999 B.S. (University of Richmond), M.A., Ph.D.  
 (Duke University)

Baker, Julie A., Director of the Intensive Language  
 Program in French;  
 2002 B.A. (University of Michigan), M.A., Ph.D.  
 (Indiana University)

Barnett, B. Lewis, III, Associate Professor of  
 Computer Science;

1990 B.S. (Furman University), M.S.C.S., Ph.D. (University of Texas)

Baughan, Elizabeth P., Assistant Professor of Classics and Archeology;  
2007 B.A. (University of Virginia), M.A., Ph.D. (University of California, Berkeley)

Baykal, Asli, Assistant Professor of Anthropology;  
2008 B.S., M.S. (Middle East Technical University), Ph.D. (Boston University)

Beausang, Cornelius W., Associate Professor of Physics, The Robert Edward & Lena Frazer Loving Chair of Physics;  
2004 B.Sc. (University College, Cork, Ireland), M.A., Ph.D. (State University of New York at Stony Brook)

Becker, Richard, Associate Professor of Music;  
1975 B.M. (University of Rochester), M.M. (Boston University)

Belkind, Ori, Assistant Professor of Philosophy;  
2005 M.Sc. (University of Tel Aviv), M.A. (Northwestern University), Ph.D. (University of Washington)

Bell, J. Ellis, Professor of Chemistry, Floyd D. & Elizabeth S. Gottwald Chair in Chemistry;  
2001 B.A., M.A., D.Phil. (Oxford University)

Berry, Jane M., Associate Professor of Psychology;  
1991 B.A., M.A., Ph.D. (Washington University in St. Louis)

Blake, Holly J., Associate Dean for Women's Education & Director of the WILL Program;  
1992 B.A. (College of Wooster), M.A., Ph.D. (State University of New York at Binghamton)

Boland, Linda M., Associate Professor of Biology;  
2004 B.S. (Lafayette College), M.S. (Old Dominion University), Ph.D. (University of North Carolina at Chapel Hill)

Bonfiglio, Thomas P., Professor of Comparative Literature and Linguistics;  
1984 B.S. (University of Rochester), M.A. (University of Toronto), M.A. (University of Wisconsin), Ph.D. (Indiana University)

Boone, Emily J., Director of Biology Laboratories;  
2002 B.A. (Earlham College), M.S. (University of South Alabama)

Bower, Kathrin M., Associate Professor of German;  
1995 B.A. (University of Vermont), M.A., Ph.D. (University of Wisconsin at Madison)

Brandenberger, David L., Associate Professor of History;  
2002 B.A. (Macalester College), A.M., Ph.D. (Harvard University)

Briddell, Laine O., Assistant Professor of Sociology and Criminal Justice;  
2009 B.A. (The College of William and Mary), M.A., Ph.D. (The Pennsylvania State University)

Brinkerhoff, R. Jory, Assistant Professor of Biology;  
2010 B.S. (University of Illinois), M.S. (North Carolina State University), Ph.D. (University of Colorado)

Broening, Benjamin P., Associate Professor of Music;  
1999 B.A. (Wesleyan University), M.M. (Yale University), M.Phil. (Cambridge University), Ph.D. (University of Michigan)

Browder, Laura Professor of American Studies and English;  
Tyler and Alice Haynes Professorship in American Studies

Brown, Mavis H., Associate Professor of Education;  
1978 B.S., M.S. (Radford College), Ph.D. (Texas Woman's University)

Bukach, Cindy M., Assistant Professor of Psychology;  
2006 B.A. (Winnipeg Bible College and University of Victoria), M.A., Ph.D. (University of Victoria)

Bunn, Emory F., Associate Professor of Physics;  
2002 A.B. (Princeton University), M.A., Ph.D. (University of California at Berkeley)

Cable, Jennifer A., Associate Professor of Music;  
1993 B.M. (Oberlin College), M.M., D.M.A. (Eastman School of Music)

Calvillo, Elena M., Assistant Professor of Art History;  
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