

COLLEGE OF ARTS AND SCIENCES  
2009-2010 ACADEMIC CATALOG



PRESBYTERIAN  
COLLEGE



P R E S B Y T E R I A N  
C O L L E G E

**2009-2010 Catalog**

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## CAMPUS VISITS

Visitors are always welcome at Presbyterian College. The Admissions offices is open for appointments Monday through Friday from 9:00 a.m. to 4:30 p.m. Members of the staff are available for interviews at other times if appointments are made in advance.

Telephone: (864) 833-2820

or toll-free: 1-800-960-7583

Email: [admissions@presby.edu](mailto:admissions@presby.edu)

[www.presby.edu](http://www.presby.edu)

## COMMUNICATION DIRECTORY

To facilitate prompt attention, inquiries should be addressed as indicated below:

General Information.....	The President
Admissions .....	Dean of Admissions and Financial Aid
Alumni Interests.....	Executive Director for Alumni Relations
Athletics .....	Director of Athletics
Business Matters.....	Executive Vice President for Finance
Curriculum.....	Provost
Senior Employment .....	Director of Career Services and Internships
Financial Aid .....	Director of Financial Aid
Gifts and Bequests.....	Executive Director for College Advancement
Housing .....	Director of Residence Life
Study Abroad.....	Director of International Programs
Public Relations.....	Executive Vice President for External Relations
Summer School.....	Provost
Transcripts.....	Registrar/Director of Records

Presbyterian College is an Equal Opportunity Employer. The College does not discriminate against student applicants on the basis of race, sex, religion, national origin, or handicap.

### POLICIES DISCLAIMER

The course offerings , regulations, fees, and other materials appearing in this catalog are announcements. Nothing contained herein is to be construed as representing contractual obligations of Presbyterian College, which reserves the right to change its courses of instruction, fees, charges for room and board, and general academic regulations with out notice, should circumstances warrant in the judgement of the College. Courses listed in this catalog may not be offered every year. An official list of courses to be offered will be published by the Registrar before the beginning of each term.

## AN INTRODUCTION

Presbyterian College is a fully accredited, private, residential, baccalaureate institution related to the Presbyterian Church (USA). The College provides a liberal arts education within a community of faith, learning, and intellectual freedom.

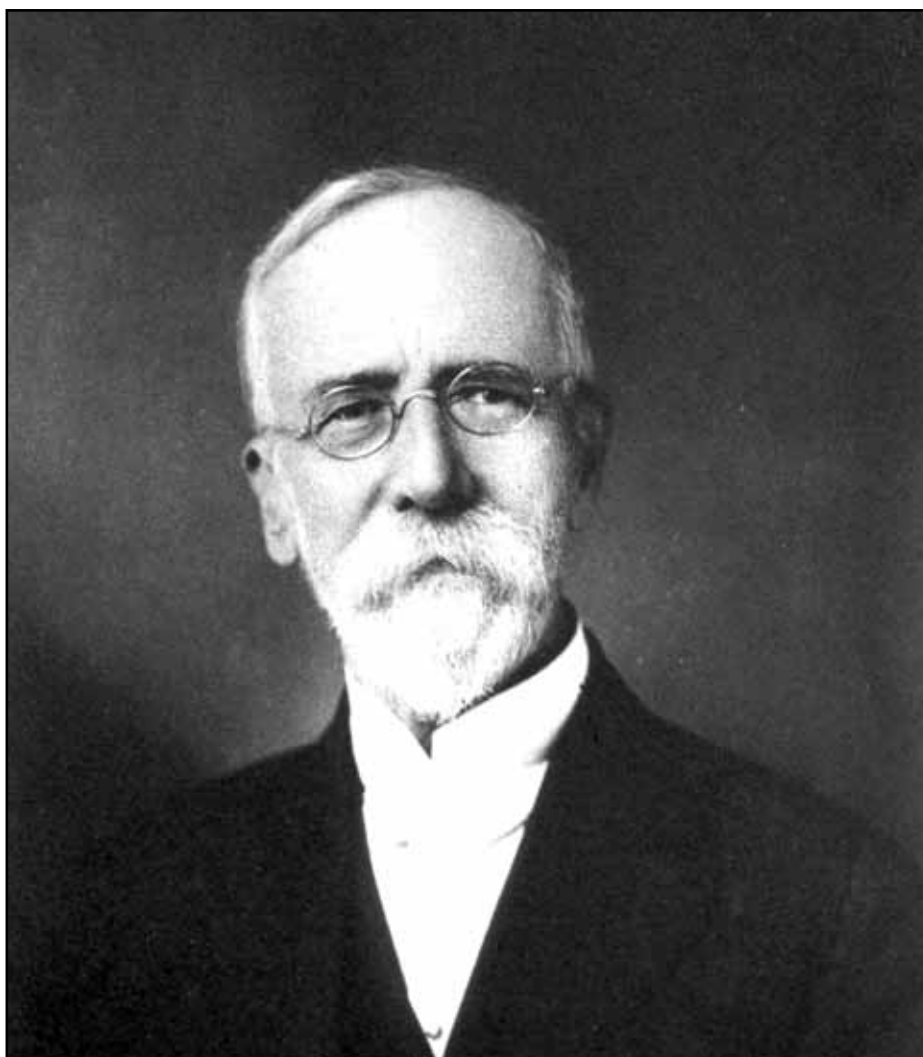
In 1880, William Plumer Jacobs, pastor of Clinton's First Presbyterian Church who had earlier established Thornwell Orphanage, founded Presbyterian College primarily to provide education at a higher level for the orphans. For many years predominantly an institution for the education of men, Presbyterian College became fully coeducational in 1965. The College now selects academically qualified students, a majority of whom rank in the top quarter of their high school classes, without regard to race, religion, sex, handicap, nationality, or ethnic origin.

While the student body typically represents more than 25 states and several countries, most of the students traditionally come from the Southeastern United States. Presbyterian College sustains a Christian heritage of integrity and service not only by striving for academic excellence but also by a comprehensive honor code, wide-ranging opportunities for volunteer service, and close attention to the needs of each student. The College grants both B.A. and B.S. degrees.

The compelling purpose of Presbyterian College, as a church-

related college, is to develop within the framework of Christian faith the mental, physical, moral, and spiritual capacities of each student in preparation for a lifetime of personal and vocational fulfillment

and responsible contribution to our democratic society and the world community.



## GOALS THAT GUIDE THE COLLEGE

### **These goals guide the College in its attempt to fulfill its mission:**

- To help students gain a basic knowledge of humanities, natural sciences, and social sciences, a special competence in one or more particular areas of study; and an ability to see these studies as part of the larger search for truth.
- To develop in students the ability to think clearly and independently, to make critical judgments, and to communicate effectively in both speech and writing.
- To foster in students an aesthetic appreciation of the arts and literature.
- To acquaint students with the teachings and values of the Christian faith.
- To help students develop moral and ethical commitments including service to others.
- To help students attain a sense of dignity, self-worth, and appreciation of other persons of diverse backgrounds.
- To encourage in students an appreciation for teamwork and for physical fitness and athletic skills that will contribute to lifelong health.
- To foster in students an appreciation of, and concern for, the environment and natural resources.



## **Admissions**

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# ADMISSIONS

The Presbyterian College campus is home to students who are willing to challenge themselves to be the best; who have demonstrated academic and leadership potential; and who have displayed drive and initiative both inside and outside the classroom.

The College's Admissions Office seeks students who can benefit from - and contribute to - Presbyterian College. The majority of incoming freshmen rank in the top quarter of their high school classes and have participated in activities ranging from athletics to music to volunteer service to student government.

Presbyterian College seeks students who demand the best from themselves, from those around them, and from their learning environment.



## Requirements For Admission

Presbyterian College admits students based on their academic and personal qualifications. Admission decisions are made after careful review of the application, high school transcript, class rank, scores from the Scholastic Assessment Test (SAT) or the American College Testing Program (ACT), and the recommendation of a high school

official. An interview is preferred, and interested students are urged to visit the campus. The College does not discriminate against applicants or students on the basis of race, religion, sex, handicap, or national or ethnic origin. PC reserves the right to refuse the original application or the re-admission for any semester of any student who, in the opinion

of the Admissions Committee, does not fit into the scholastic or social life of the campus. Presbyterian College adheres to the National Association for College Admission Counseling's Statements of Principles of Good Practice and the Statement of Students' Rights and Responsibilities.

Admission policies are established by the Board of Trustees.

## Application and Notification Dates

	Application Deadline	Notification Date	Commitment Date
<b>Early Decision*</b>	<b>November 1</b>	<b>December 1</b>	<b>January 15</b>
<b>Early Action**</b> (Deadline to be considered for Quattlebaum, and Founders Scholarships and the Chinese language program)	<b>November 15</b>	<b>December 15</b>	<b>May 1</b>
<b>Regular Decision</b> (Deadline to be considered for all other academic, music, ROTC, and leadership scholarships)	<b>February 1</b>	<b>March 15</b>	<b>May 1</b>
<b>Late Decision***</b>	<b>July 1</b>	<b>July 15</b>	<b>July 20</b>

\*Early Decision is for students whose first choice of college is PC. If accepted, applicant must withdraw any applications from other institutions and commit to attend PC by paying a non-refundable \$400 advance deposit by January 15, 2010.

\*\*Early Action is for students who have PC as one of their top college choices. This option allows students to receive an admission decision early without the obligation to commit early. A non-refundable \$400 advance deposit will be due by May 1.

\*\*\*Late Decision is expressly designed for those qualified students who make their college decision late in their senior year or change their decision after further consideration of college options. PC will admit up to 10 students under this provision based on housing space availability.

**Applicants may apply online at [www.presby.edu/](http://www.presby.edu/)**

**admissions** with a \$25.00 application fee; download an application or obtain a paper application and submit with a \$40.00 application fee. Presbyterian College is also a member of The Common Application Group (\$25.00 application fee).

## Admission From High School

The College ordinarily requires for entrance the completion of a four-year high school course of study, including four units of college preparatory English, four units of math (including Algebra I, Algebra II, and geometry), and two or more units each of a foreign language, laboratory science, history, and social science. Applicants are strongly encouraged to take honors, Advanced Placement and International Baccalaureate courses whenever possible.

## Early Decision

An early decision plan is available for prospective students who have decided that Presbyterian College is their college choice. Students interested in the early decision option must submit all regular admission materials no later than November 1 of their senior year. Early decision applicants will receive notification by December 1. Early decision candidates applying for financial assistance also must submit a Presbyterian College financial aid information form.

Early decision students offered admission must submit a \$400 non-refundable deposit by January 15 and must withdraw any applications filed with other institutions.

## Transfer Students

Transfer students are admitted based on the academic record at the college from which they are transferring, their high school record, and scores from the SAT or ACT.

Students from regionally accredited four-year institutions or junior colleges may be considered for admission provided they have a minimum overall 2.50 grade point average (GPA) in college work completed and, at the time of registration at PC, they are eligible to re-enroll in the institution last attended or, in the case of junior colleges, they have graduated.

All transfer applicants must submit transcripts from all colleges or universities attended, their high school transcript, SAT or ACT scores, and a statement of good standing from the institution last attended as a full-time student.

Transfer students will be granted appropriate credit for courses that correspond to or are the equivalent of courses offered by Presbyterian College and that have been satisfactorily completed. Courses that do not correspond to courses offered by PC may be accepted as “free electives” with the approval of the Provost up to a maximum of 24 semester hours credit toward graduation requirements.

All transfer credits are tentative and dependent on satisfactory work at PC. The maximum number of semester hours that can be transferred from a two-year college is 68. Transfer students must complete general education requirements for graduation with the class with which they entered, i.e., sophomore, junior, or senior. This also includes requirements for cultural enrichment events.

## Special Students

Students who are not candidates for a PC degree may, upon approval of the Dean of Admissions, be admitted to such classes as they may be prepared to take and shall be officially classified as “special students.” Students admitted as special students can change to regular student status only by submitting a new application requesting such a change to the Provost. Semester hours and quality points earned while enrolled as a special student shall be credited toward the degree only if the student is accepted as a regular student and requests in writing that credit be given toward the degree. Such a request must be filed with the Office of the Provost at the time of enrollment

as a regular student. If the request is granted, all courses satisfactorily completed will be included.

## Armed Forces Veterans

The College encourages applications from veterans of the armed forces and makes special provision for giving some academic credit to these individuals. Persons who have satisfactorily completed basic military training regardless of the branch of service and have either received an honorable separation from active duty or are currently serving in the Reserve components may be given up to eight semester hours of elective credit toward a PC degree.

Financial benefits for education are available to armed service veterans under federal laws administered by the US Department of Veterans Affairs.

## Deposit

Admitted freshmen and transfer students are asked to confirm their intention to enroll by submitting a \$400 deposit. This deposit is non-refundable.

## Matriculation Pledge

Each student must sign this matriculation pledge upon enrollment:

*“On my honor, I will abstain from all deceit. I will neither give nor receive unacknowledged aid in my academic work, nor will I permit such action by any member of this community. I will respect the persons and property of the community and will not condone discourteous or dishonest treatment of these by my peers. In my every act, I will seek to maintain a high standard of honesty and truthfulness for myself and for the College.”*



## **Honor Code**

For more than 80 years there has been an Honor Code at Presbyterian College. This code has given rise to an atmosphere of mutual respect and trust. And now the Code is even stronger.

After thoughtful study and meticulous revision, the Honor Code reflects a renewed desire of the present student generation for an honorable community and guarantees stiff punishments for dishonorable actions. This code is a dynamic aspect of PC that defines and establishes the College's character as an institution of higher learning in the best liberal arts tradition.

The commitment to honor has its rewards: taking tests or writing papers with the expectation that everyone will do his or her own work; leaving books and personal property unattended; and rescheduling tests because of conflicts. But along with these privileges, the Code also brings responsibilities: a respect for the ideas, values, and property of others; a readiness to subordinate one's own interests to the interests and well being of the whole college community; and a dedication to abide by the rules of the College.

In order to maintain an honorable campus, student commitment

is vital. This commitment begins with personal integrity, extends to the refusal to condone violation of the rules, and supports the appropriate punishment of those who violate the spirit and the provisions of the codes. Anything short of full commitment undermines the very essence of Presbyterian College honor. Those who engage in dishonorable behavior may be banned from the College either for two semesters or permanently. All students attest to their belief in the Honor Code by signing the honor roll, thereby becoming integral and active participants in the long heritage of Presbyterian College honor.

For further information on the Honor Code, please consult the Presbyterian College Blue Book.

## **Advanced Placement**

Entering students who wish to receive advance placement (AP) credit at Presbyterian College may do so by completing an AP course in high school and by earning a minimum score on that examination by the College Board. The minimum score requirements are shown on the chart on page 11. Students seeking AP credit should have transcripts sent to the Admissions Office from the College Board.

## **International Baccalaureate**

Presbyterian College will award academic credit to students who have earned grades of five or better in their higher-level subjects in the International Baccalaureate (IB) Diploma Program. See the chart below for course credit information. Students seeking IB credit should have transcripts sent to the Admissions Office from the IB program.

## **College Level Examinations**

Entering students who wish to receive credit by examination at Presbyterian College may do so by completing the test through a College Level Examination Program (CLEP) test center. See the chart below for course credit information. Students seeking CLEP credit should have transcripts sent to the Admissions Office.

## International Baccalaureate (IB) Credit

<b>Subject</b>	<b>Minimum Score</b>	<b>PC Equivalent</b>	<b>Hours Awarded</b>
Biology	5	Biology 101, 101L, 102, 102L	8
Chemistry	5	Chemistry 101, 101L, 102, 102L	8
English, A1	5	English 110 and 111	6
English, A2	5	English elective	2
German, A1	5	German 101 and 102	8
History, American	5	History 211 and 212	6
History, European	5	History 121 and 122	6

## College Level Examination Program (CLEP) Credit

<b>Subject</b>	<b>Minimum Score</b>	<b>PC Equivalent</b>	<b>Hours Awarded</b>
Amer. Government	50	Political Science 202	3
Freshman College Composition	50	English 109 or English elective	3
English Composition with Essay	50	English 109	3
Calculus	55	Mathematics 201	3
College Algebra	55	Mathematics 105	3
Trigonometry	55	Mathematics 196	3
History of the United States I	50	History 211	3
History of the United States II	50	History 212	3

## Awarding of Advanced Placement (AP) Credit

Subject	Minimum Score	PC Equivalent	Hours Awarded
Art, History of Art, Studio Drawing, Studio General	3 N/A N/A	Art 101	3
Biology	4	Biology 111, 111L, 112, 112L	8
Chemistry	4 4*	Chemistry 101, 101L Chemistry 102, 102L	4 4
*plus 70 on departmental exam (student's option)			
Computer Science Computer Science	3 or 4 5	Computer Science 241 Computer Science 241 and 242	4 8
Environmental Science	4 or 5	Biology 215	3
Macroeconomics Microeconomics	4 or 5 4 or 5	Economics 201 Economics 202	3 3
English Lang/Composition English Lit/Composition	3 4 or 5 3 4 or 5	English 109 English 110, 111 English 109 English 110, 111	3 6 3 6
History: European United States World History	3 4 or 5 3 4 or 5 3 4 or 5	History 121 or 122 History 121 and 122 History 211 or 212 History 211 and 212 History 121 or 122 History 121 and 122	3 6 3 6 3 6
Foreign Languages (French, German, Latin, Portuguese, Spanish)	3 4 5	102/151 (except Latin) 102/151, 201 102/151, 201, 202	4 7 10
Foreign Language credit awarded for either Language or Literature Test			
Mathematics (Calculus AB)  (Calculus BC)	3 or 4 5 3 or 4 5	Mathematics 201 Mathematics 201 and 202 Mathematics 201 and 202 Mathematics 201, 202, and 301*	3 6 6 9
*Subject to consultation with Math Department			
Music, Listen: Lit Theory	4 or 5 4 or 5	Music 102 Music 103	3 3
Physics B C (Mechanics) C (Elec. and Mag.)	4 4 4	Physics 121, 121L, 122, 122L Physics 121, 121L Physics 122, 122L	8 4 4
Political Science (US)	3	Political Science 202	3
Psychology	3	Psychology 201	3
Statistics	4	Statistics 319 or 320 Mathematics 210	4 3



## **The Academic Program**

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# THE ACADEMIC PROGRAM

Through its liberal arts curriculum, the academic program of Presbyterian College seeks to develop in students the capacity of understanding, intellectual curiosity, and the strength of character necessary for leadership and service in today's world.

Effort is first directed toward giving a general comprehension of our intellectual, scientific, and religious heritage — and the modern relationships among these forces — after which students intensify their study in specialized fields. The curriculum combines traditional work with innovative educational programs that occur both on campus and off campus.

Small classes give increased personal attention and greater opportunity for self-expression on the part of all students. Presbyterian College is small enough to make the leading professors of the various departments available to all students; thus, the benefit of their wide knowledge and experience can be shared, in close association, by each individual in laboratory, classroom, and library work.



# THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA) OF 1974

## Directory Information

The College has designated certain information contained in a student's educational record as directory information pursuant to the Family Educational Rights and Privacy Act (FERPA). Directory information at Presbyterian College consists of:

- Student's full name
- Addresses  
(campus, permanent, email)
- Telephone numbers
- Major field of study
- Photograph
- Participation in officially recognized activities / sports
- Weight and height  
(for members of athletic teams)
- Dates of attendance
- Classification
- Degree(s) and awards/honors received

This information may be disclosed by the College for any purpose deemed as legitimate without the consent of a student. However, a student has the right to refuse the disclosure of this information. For more information or to request that information not be disclosed, a student must complete the required form in the Registrar's office.

## Student Records

Presbyterian College maintains different types of records: admissions, academic, financial, disciplinary, health, etc. The following records that are maintained in the Office of the Provost and the Office of the Registrar are considered confidential student records:

1. Active Academic Records: Those academic records retained by

the Office of the Registrar and required by the Office of the Provost to account for the enrolled student's academic performance and status, including records maintained by instructors.

2. Inactive Academic Records: Those records retained by the Office of the Registrar that pertain to the academic performance of persons no longer enrolled at Presbyterian College.
3. Records Pertaining to Academic Accommodations: Those records retained by the Office of the Provost that pertain to students' requests for and award of academic accommodations.
4. Records Related to Violations or Potential Violations of the Honor Code: Those records retained by the Office of the Provost that pertain to violations or potential violations of the honor code as it relates to academics.

## Access to Confidential Information

It is the policy of the College that information contained in official student records will not be released to the parent(s) or guardian(s) without the consent of the student unless the student is a valid dependent of the parent(s) or guardian(s).

Students are allowed access to their official records to ensure that information contained therein is not inaccurate, misleading, or otherwise in violation of their rights or privacy. A student who wishes to review his/her record will make a request directly to the Registrar for academic records or to the Provost for records pertaining to academic accommodations or Honor Code violations. Such requests should be made 24 hours in advance to the respective official.

For further information on FERPA, a complete list of

confidential student records, and additional information regarding access to confidential student information, see the Knapsack.

## The Academic Calendar

The academic calendar includes a fall semester that extends from late August to mid-December and a spring semester that extends from early January to early May. Each semester is approximately 14 weeks in length including course work and final examinations. Two five-week summer sessions are also offered.

Several courses involving off-campus study are offered during a special May period following commencement. Participation is optional.

## The Curriculum

Presbyterian College offers programs of study that lead to the Bachelor of Arts and Bachelor of Science degrees.

The curriculum is designed to bring to the student a broad awareness and understanding of the worlds of nature, of society, and of self and to prepare the student for a productive life. Toward this end, the College divides its courses of study into three parts: general education, study in specialized fields, and electives.

Students normally complete the general education requirements during the freshman and sophomore years. These requirements offer a broad understanding of our intellectual and religious heritage—the ideas and ideals that have made our civilization distinctive, the methods of study and analysis of the natural sciences and mathematics, and the eternal principles of the Christian religion. Transfer students should complete general education requirements as soon as possible.

The academic major gives the student intensive work in the chosen field of specialization usually during the junior and senior years.

The program of electives allows the student to pursue a second field of specialization or to broaden the academic background by choosing a variety of courses from a number of fields.

### Requirements for the Degree

The basic requirements for a bachelor's degree from Presbyterian College are:

1. Successful completion of the required general education courses;
2. Completion of the requirements for an academic major;
3. Successful completion of 122 semester hours of college-level work with a minimum of 48 hours successfully completed at Presbyterian College (NOTE: credit-hour requirements in some majors may increase required hours to more than 122 for these areas of study);
4. Completion of all academic work with 2.00 grade point average (GPA) and all major requirements with a 2.00 GPA;
5. Attendance at five lecture and five performance events per year in the Cultural Enrichment Program (CEP).

To ensure these requirements are met, a senior audit must be completed no later than one full semester before the anticipated date of graduation with the registrar's office. Students completing degree requirements during spring semester are required to participate in graduation ceremonies.

### General Education Requirements

The curriculum includes a group of courses that are required of all students as prerequisite to the degrees conferred by Presbyterian College. It includes courses designed specifically for freshmen or new students

and courses to broaden students' intercultural education as well as work in English composition and literature, fine arts, history, mathematics, natural sciences, physical education, religion, foreign languages, and social sciences. The goals of the general education program are as follows:

- To help students gain a basic knowledge of the humanities, natural sciences and mathematics, and social sciences and an ability to see these studies as part of the larger search for truth.
- To develop in students the ability to think clearly and independently, to make critical judgments, and to communicate effectively in both speech and writing.
- To foster in students an aesthetic appreciation of the arts and literature.
- To acquaint students with the teachings and values of the Christian faith.
- To assist students in gaining the perspective of the other and to become more aware of their global community.
- To encourage in students an appreciation for physical fitness and wellness that will contribute to lifelong health.
- To engage all first-year students with academic life and knowledge through the concepts of inquiry, critical thinking, and liberal learning.
- To provide experience that complements the traditional classroom environment in order to more intentionally connect students with the global community and with important issues that confront the human condition.
- To assist senior students in pulling together and integrating their educational experience and prepare to transition to life after college.

The general education requirements are the same for both the Bachelor of Arts and the Bachelor of Science degrees. A normal range of credit hours for general education requirements would be 46-60 hours with credit hours in the major field ranging from 30-54 hours. Therefore, a student would be able to choose a range of 10-51 hours of elective courses. The minimum requirements in general education are as follows:

**Freshman Experience** (1-3 hours): All freshmen entering PC in the fall semester must take either a one-hour Freshman Seminar or a three-hour Introduction-to-Inquiry (i2i) course in their first semester. Topics vary each fall but all emphasize critical thinking, communication, and small group experiences. The goals for the first-year program are:

- To engage all first-year students at Presbyterian College with academic life and knowledge, including focusing on critical thinking and liberal learning.
- To create intentional groups of first-year students that can assist in all students finding their "place" at PC.
- To enable faculty who might not advise freshmen to have purposeful contact with them.
- To provide an experience to freshman that underscores that college is "far beyond the fifth year of high school."

Students who fail a freshman experience course must successfully complete an interdisciplinary studies course at the 200-level or above to substitute for it. In addition, students who fail a freshman experience course and are on academic probation will, in addition, be required to participate in two spring workshops, such as

those on time management and study skills, offered by the Office of Career Services.

**Intercultural/Internship Experience (4-6 hours):** All students must fulfill an intercultural or internship requirement by either studying abroad, completing coursework that provides an intercultural perspective, and/or completing a practicum experience that focuses on enhancing learning through internship opportunities. This experience will enable students to become more appreciative of the interconnectedness of the global community and the important issues that confront the human condition. By completing a four-to-six credit hours program, a student will:

- Incorporate his or her academic learning with a supervised experience outside the traditional classroom (internship, study abroad, research).
- Demonstrate transferable skills such as communication, critical thinking, adaptability, organization, and the ability to relate to others.
- Develop an appreciation for learning and prepare for a lifetime of personal and vocational fulfillment and responsible contribution to our democratic society and the world community.
- Gain self-awareness and respect for perspectives, communities, and value systems other than his or her own.

To satisfy this requirement, a student will earn four to six credit hours through intercultural or internship courses. These hours may be met within the major requirements. A student may choose from (1) a combination of classroom and experiential courses or (2) a study abroad or an extensive internship experience.

## Intercultural/Internship Requirement

A student may select one option from 1A and one from 1B for a total of 4-6 hours:

**1A: Coursework**

(I) A global studies or intercultural course, not otherwise part of the general education program, recommended by an academic department. (Recommended courses: Art 256; Business Administration 308; Economics 318, 326; English 210, 324, 338, 341, 343; History 356, 382-384, 386, 389, 390, 392; Music 212; Political Science 301, 331, 370, 387; Religion 280, 310, 356; Sociology 310, 360, 362, 364, 370)

(II) A designated course at the 200-level or above that deals with intercultural issues. (Recommended courses: AFST 201, SOST 205, FILM 210, RELG 280, WGST 325, LAST 335, ENGL 345)

(III) Any modern foreign language course of three or more semester hours credit beyond the general education requirement.

(IV) Another course suggested by an academic department and approved by the General Education Committee and the Provost.

**1B: Experiential**

(I) An approved off-campus travel experience of less than one semester's duration.

(II) One approved internship or practicum earning between one and three semester hours credit.

(III) One approved research internship earning between one and three semester hours credit.

(IV) Another experiential course suggested by an academic department and approved by the General Education Committee and the Provost.

Or, a student may select from one of the following:

**2. Study Abroad or Internship Experience**

(I) An approved study abroad experience of at least one semester's duration.

(II) One approved internship earning between four and six semester hours credit.

(III) An approved off-campus travel course or program earning at least four semester hours of credit that specifically addresses intercultural or global issues.

(IV) Significant field experience earning between four and six semester hours credit (e.g., substantial service learning project) certified by a faculty supervisor, the Dean of Career Services and Student Programs, and the Director of International Programs and approved by the General Education Committee.

## Summary Table of General Education Requirements Bachelor of Arts and Bachelor of Science Degrees

Area & Field	Hours	Courses
Freshman Experience	1-3	Freshman Seminar 105 Introduction to Inquiry 110
Intercultural Experience	4-6*	Please refer to the Intercultural/Internship Experience section on page 18.
Humanities: English Fine Arts  Foreign Language  History Religion	6 3  0-7**  6 6	English through 110 and 111 Art 101, 251, or 255 Theatre 120, 220, or 221 Music 102, 212 or 213 Chinese, French, German, Portuguese, or Spanish through 201 or Greek 301-302 and 401 History 121 and 122 Religion 101 and 110
Social Sciences: Social Sciences:  Physical Education:	6  2-3	Economics 201 or 202 Education 201 or 202 Geography 301 or 302 Political Science 201 or 202 Psychology 201 Sociology 201 or 207 Physical Education 1001 and one additional 1-hour course selected from Physical Education 1002 - 1013; or Physical Education 225
Natural Sciences: Science  Mathematics	8  3	Biology 101-101L, 102-102L (or 111-112 for biology majors) Chemistry 100, 101-101L, 102-102L Physics 121-121L, 122-122L Any mathematics course except Mathematics 105
Senior Capstone	1-3*	Course identified as capstone by each major
<b>Total</b>	46-60	*These hours may be met within the major requirements **Nine hours if Greek sequence is selected; not included in the total.

Note: Also, see “Cultural Enrichment Program” on page 21.

**Humanities (21-28 hours):**

**English:** All students must satisfactorily complete 6 hours of English by completing English 110 and 111. Students whose preparation in English needs strengthening are required to take English 109. However, English 109 does not count toward general education credit and is offered on a pass/fail basis.

**Fine Arts:** All students must satisfactorily complete three hours of fine arts chosen from courses in the Departments of Art, Music, or Theatre. Courses must be selected from the following: Art 101, 251, 255; Theatre 120, 220, or 221; or Music 102, 212 or 213.

**Foreign Language:** All students must satisfactorily complete up to 7 hours of a foreign language sequence, completing 151/102 and 201 courses in Chinese, French, German, Portuguese, or Spanish. Students who received 2 or more high school units will be placed in 151/102 or higher or, based on placement scores, may elect to take the 101 course. However, the 101 course does not count toward general education credit. Students may elect to start a language not previously studied. Language may also be completed through PC's Greek sequence through 401 for a total of 9 hours or by transfer of course work through 201 from a regionally accredited institution in any other language approved by the department.

**History:** All students are required to take 6 hours of history by completing History 121 and 122.

**Religion:** All students are required to satisfactorily complete 6 hours of religion by completing Religion 101 and 110.

**Social Sciences (8-9 hours):**

**Social Sciences:** All students must satisfactorily complete a minimum of six semester hours chosen from two departments.

Courses must be chosen from the following: Economics 201 or 202; Education 201 or 202; Geography 301 or 302; Political Science 201 or 202; Psychology 201; and Sociology 201 or 207. Students electing to major in a social sciences discipline may count a general education course toward the major if a department lists the course as a major course.

**Physical Education:** All students are encouraged to fulfill their general education requirement in physical education during the freshman year. The requirement of 2-3 hours in physical education can be completed by taking either (1) Physical Education 1001 for 1 hour and one additional activity course offering of 1 hour or (2) Physical Education 225, a 3-hour course. Designated activity course offerings include Physical Education 1002 through 1013.

**Natural Sciences (11 hours):**

**Science:** The student is required to take any two 3-hour courses plus the associated 1-hour lab for a total of 8 hours from the menu of all general education courses in biology, chemistry, or physics. These courses are: Biology 101-101L, Biology 102-102L, Biology 111-111L, Biology 112-112L, Chemistry 100, Chemistry 101-101L, Chemistry 102-102L, Physics 121-121L, or Physics 122-122L. The prerequisite restrictions on some of these courses must be met.

**Mathematics:** Students are required to take one math course. Mathematics 105 is only offered on a pass/fail basis to students who need additional instruction before taking more advanced courses and does not count toward the general education requirement in mathematics.

**Senior Capstone (1-3 hours):**

In addition to the above general education requirements, all students must complete a one-to-three-

semester hour capstone course. Each major will identify a capstone course. Capstone courses may be taught in a single discipline or, if departments choose to do so, as an interdisciplinary experience.

**Study in the Major Field**

A candidate for the Bachelor of Arts (B.A.) degree will satisfactorily complete a program of study approved by a department in one of the following:

- Art
- Art - Art History Emphasis
- English
- English
  - Creative Writing Emphasis
- Fine Arts - Art Emphasis
- Fine Arts - Theatre Emphasis
- French
- German
- History
- Modern Foreign Languages
- Music
- Music - Performance Emphasis
- Music - Sacred Music Emphasis
- Philosophy
- Political Science
- Religion
- Religion / Christian Education
- Spanish
- Theatre

To qualify for the Bachelor of Science (B.S.) degree, a student must complete a program of study approved by a department in one of these:

- Biology
- Business Administration
  - Accounting
- Business Administration
  - Economics
- Business Administration
  - Management
- Chemistry
- Computer Science
- Early Childhood Education
- Economics
- Mathematics
- Medical Physics
- Middle School Education

Music Education  
Physics  
Psychology  
Sociology

During the junior and senior years, each student is expected to pursue a program of intensive study in an area of concentration. The field of principle interest should be selected before the junior year. Students are responsible for developing the remainder of their academic programs with the counsel of an advisor in their major department.

All students are required to file with the Registrar—not later than the end of the first semester of the junior year—a copy of a program of study that has been approved by the department in which they plan to concentrate.

A minimum of one-half of the hours required for a major must be taken at Presbyterian College.

Courses in the student's major field normally must be passed with a minimum grade of "C-." One grade of "D" or "D+" in major work may be allowed but no "F" will be allowed in required work in the major department. However, each department may designate up to two courses in which students must attain a grade of "C." Students must attain an overall GPA of 2.00 or better on all work presented for the major.

A second major or a minor in another field of study may be obtained by completing successfully the courses prescribed by the department of the second major or minor. However, a student may not add an additional major to his/her degree after the first degree has been awarded.

A student selecting two majors with the completion of 122 hours is awarded only one degree and must select either the B.A. or the B.S. For example, a student who wishes to major in English (normally a B.A.

degree) and in biology (a B.S. degree) will receive one degree with the two majors.

A candidate who already holds a Presbyterian College degree or who is working simultaneously for 2 bachelor degrees shall earn a minimum of 152 semester hours with a 2.00 GPA.

A candidate who holds a bachelor's degree from another institution must satisfy the residence requirements on page 24 for the PC degree as well as the academic requirements that include general education and those for the major.

### Requirements for a Minor

A minor in a field of study may be obtained by completing successfully at least 15 and not more than 26 hours of work to be selected at the discretion of the advisor and the student after consultation with the chair of the department in which the minor is selected. The department may specify additional requirements for a minor.

Courses in the student's minor field normally must be passed with a minimum grade of "C." One grade of "D" on minor department work may be allowed. However, each department may specify certain courses for a minimum performance of "C" and students must attain an overall average of "C" or better on all work presented for the minor. A minimum of one half of the hours required for a minor must be taken at Presbyterian College.

By the end of the first semester of the junior year, students must file with the Registrar a copy of a program of study that has been approved by the department in which he/she plans to minor.

### Cultural Enrichment Program

The Cultural Enrichment Program (CEP) focuses on the College's lectures, convocations, and fine arts events. This diverse series complements the College's academic

program by presenting prominent speakers, recitals, and concerts. Attendance at these events provides an opportunity for students to become better educated in the liberal arts tradition.

Students are able to select the events they wish to attend only from those that have been designated for CEP credit. Each student must attend ten events at Presbyterian College during each academic year—five performance events and five lecture events—for a total of forty in order to graduate.

Non-traditional and transfer students participating in a PC-organized study abroad program, and students who graduate in less than four years may qualify for a reduction in the number of CEP events that must be attended each year. This reduction must be applied for on a year-by-year basis. Students should contact the Office of the Registrar for more information and to apply for this reduction.

### Registration

**Pre-Registration:** Students who are currently on campus at the time of pre-registration are expected to pre-register according to the instructions given. Students generally pre-register in the fall for the upcoming spring and in the spring for the upcoming summer and fall. Students must meet with their advisors during pre-registration to discuss their academic progress and to establish a plan for the upcoming semesters. Pre-registration ends with the first day of the next term.

**Registration:** Students may register online from start of the pre-registration period through the "drop/add" date. This date, the last day for schedule changes, is the end of the first week of classes for fall and spring semesters (the second full day of classes during summer terms). Schedule changes may be made through the "drop/add" date without

penalty. A student may, during the first seven weeks in the fall and spring terms (in summer school, after two weeks of classes), withdraw from a course and, depending on whether he/she has a passing grade at that point, shall receive a grade of “WP” or “WF.” A grade of “WF” is considered the same as a grade of “F.”

**Late Fee:** In extenuating circumstances, changes to a student’s schedule may be allowed after the “drop/add” and “WP/WF” deadlines. If approved, a fee of \$50 will generally apply.

### Hours, Grades, Quality Points

A semester hour is the unit of academic credit representing one hour of lecture class or three hours of laboratory work each week for an academic semester. If a class meets three times each week, the credit earned is three semester hours.

As exceptions to the above procedure, during the optional May period of off-campus study and the summer sessions, classes meet more often and for longer intervals to cover the material necessary to qualify for the semester hours of credit.

A student earns quality points, along with semester hours, by successfully completing a course with a grade of “D” or better. The number of quality points per semester hour is as follows:

Superior	
A	4 quality points
A–	3.7 quality points
Good	
B+	3.3 quality points
B	3 quality points
B–	2.7 quality points
Satisfactory	
C+	2.3 quality points
C	2 quality points
C–	1.7 quality points
Poor and Unsatisfactory	
D+	1.3 quality points
D	1 quality point
F	0 quality points

### Honors Designation

H 4 quality points

### Other Designations

WP Withdrawal Passing

WF Withdrawal Failing  
(considered same as “F”)

W Approved Withdrawal  
(see page 35)

I Incomplete  
(becomes “F” if not removed during first 4 weeks of the following semester)

S Satisfactory  
(C– or above)

U Unsatisfactory  
(D+ or below)

AU Audit

P Pass  
(grade of 70 or above with no hours credited in cases where a student has exceeded the allowed number of excused absences in a general education course. Approval of instructor required.)

The grade point average (GPA) is based solely on work attempted at Presbyterian College and is determined by dividing the total quality points earned by the number of semester hours for which the student has registered (grades of “WP,” “W,” “I,” “P,” “S,” “U,” and “AU” are not included in this calculation).

### Academic Honors

**Latin Honors:** Students who earn a minimum of 60 semester hours of credit here and have a cumulative GPA of at least 3.75 on all courses taken at PC and elsewhere and 3.75 on PC courses are graduated summa cum laude; those with 3.60 but less than 3.75, magna cum laude; and those who average 3.30 but less than 3.60, cum laude.

**Dean’s and President’s Lists:** Students enrolled in 12 or more hours for graded credit with no grades of “I” or “U for the fall or spring semester are included on the Dean’s list with

a GPA of 3.30 or better or on the President’s list with a 4.00 GPA.

**Departmental Honors:** Students with a 3.20 GPA in all courses and a 3.40 GPA in all courses in the major field may, with the approval of departmental faculty, undertake an honors research program during the junior and/or senior years. This program must include a senior thesis or project of exceptional quality and an oral defense of the paper or project before departmental members. This defense is to be open to the College community, and honors students will participate in all other defenses within their discipline. Students who successfully complete the departmental honors research program will graduate “with honors” in the major field.

### Course Audits

Registered students may audit courses, subject to permission and requirements imposed by the instructor. If a record of the audit is to appear on the transcript, the student must fulfill attendance requirements for the course. However, a course may not be converted to audit nor may an audit course be converted to either graded or pass/fail status after the end of the drop/add period.

### Academic Class Loads

The minimum number of semester hours a regular student must take during any one semester to remain in school is 12. The normal load per semester is 12 to 18 hours.

Additional hours may be taken with the following overload limitations:

19 hours—	2.80 GPA previous semester
20 hours—	3.00 GPA previous semester
21 hours—	3.30 GPA previous semester

No student will be given credit for more than 21 semester hours in one semester. This total includes correspondence, extension, and audit courses.

To graduate in four years a student must successfully complete an average of slightly more than 15 hours per semester.

### Pass/Fail Option

During their junior and senior years, students may elect to take up to a total of nine hours of courses on a pass/fail basis. This excludes courses prescribed for the student's major program and courses in the major field. No more than two courses may be taken on a pass/fail basis in any one semester. Pass/fail courses shall not be included in "hours attempted." Grades received in courses taken pass/fail do not earn quality points, are not used in the grade point ratio, and are not used in the calculation of honors, etc. In addition, general education requirements may not be satisfied on a pass/fail basis.

A course previously taken for a grade may not be repeated as a pass/fail course. In addition, a course may not be converted to pass/fail status nor may a pass/fail course be converted to graded status after the end of the drop/add period. Grades of "WP" or "WF" will be given in the case of withdrawal during the first seven weeks of a pass/fail course.

### Classification

Students are classified according to the number of hours completed and the number of CEP events attended. To be classified as a sophomore, a student must have earned 28 semester hours and have attended a minimum of 10 CEP events (5 lecture and 5 performance); for junior rank, 60 hours and 20 CEP events; for senior rank, 90 hours and 30 CEP events. Students receiving financial aid or scholarships should be aware that CEP credits

are considered in classification and sometimes affect eligibility for aid. Classification is updated twice during the fall and spring semesters, shortly before mid-term and at the end of the semester.

### Grades

Faculty members will report grades to the Registrar's office at mid-term and at the end of the term for each student and for each course in which the student is enrolled. Grades are available via the PC web site.

Mid-term grades reported for each course shall be "S" for work equivalent to a grade of "C-" or better, "D" for work below "C-" level, and "F" for failing. For pass/fail courses, grades of "S" (satisfactory) and "U" (unsatisfactory) shall be reported.

Final grades in regular courses shall be "A," "A-," "B+," "B," "B-," "C+," "C," "C-," "D+," or "D" for work rated as passing or better; "WP" if the student withdrew with a passing grade during the first seven weeks of the semester; "WF" if the student withdrew with a failing grade during the first seven weeks of the semester; or "F" for a failing grade if the student did not withdraw during the first seven weeks. For pass/fail courses, grades shall be "S" for work equivalent in quality to a grade of "C-" in regular courses and "U" for work below this level. Grades of "WP" or "WF" will be given in the case of withdrawal during the first seven weeks of a pass/fail course.

With the exception of an incomplete grade, a grade once recorded by the Registrar shall not be changed without the approval of the chair of the department and the Provost.

Students who are granted a withdrawal from school or from a course before the end of the term shall be given grades of "W" as appropriate. See page 35 for more information.

### Final Examinations

A final exam schedule will be published each semester by the Office of the Provost, and instructors shall announce the final examination policy for each course at the beginning of the semester. At the discretion of the instructor, exams may be given at other times which do not conflict with the exam schedule. Instructors may allow individual students to take exams at any time which is mutually agreeable to student and instructor. However, no final exam may be taken by a student outside of the period covered by the final exam schedule without permission from the Provost.

At the end of each semester, all instructors must give a comprehensive written examination of up to three hours duration or require a culminating project. These final examinations and culminating projects shall count at least 20% of the total semester grade. Exceptions may be made with prior approval of the department and the Provost. In addition, an instructor, subject to the approval of the department, may exempt or establish other requirements in lieu of a final examination for students with a grade of "A" in a given course.

No required tests shall be given on the last five calendar days preceding final exams. This does not include quizzes, lab tests, or research papers.

### Incomplete Grades

A student who fails for reasons beyond his or her control to complete the requirements for a course before the end of the semester shall, upon recommendation of the professor involved and the approval of the Provost, receive a grade of "I" (incomplete). An "I" may be converted no later than the end of the fourth week of the next semester in residence by the completion of all required work. A grade of "I" which



has not been converted within this time shall be recorded as “F” unless an extension of time is approved by the Provost. A grade of “I” which has not been satisfactorily converted within one calendar year will automatically become an “F.”

## **Residence Requirements**

Candidates for a Presbyterian College degree must earn a minimum of 48 semester hours while regularly enrolled at the College. This must include the last 24 semester hours. In addition, students are required to complete at least one-half of their major and minor work in residence at PC. However, students who lack not more than two courses to complete the requirements may, upon approval of the Provost and the major advisor (where courses are in the major field), complete such requirements at another regionally accredited four-year institution. An exception to this rule also may be allowed by the Provost when courses necessary for graduation are not currently offered at Presbyterian College.

## **Academic Credit Transferred From Other Colleges**

If academic work taken at another college while the student is enrolled at PC is to be accepted as credit toward a PC degree, both the choice of the other college and the course to be taken must be approved in writing in advance by the Provost or the Registrar. This includes summer school work taken at another college.

Courses passed with a grade of “C-” or better will be entered on the student’s permanent record with the hours passed but not the grade earned at the other institution. Hours in these courses are credited towards graduation requirements but are not used in the calculation of the student’s GPA.

A maximum of 6 semester hours may be earned in an approved summer session and 12 hours in an approved

10-week session at PC or elsewhere. Laboratory courses may bring these to 7 and 14 hours, respectively.

Students on academic probation or suspension will not receive any academic credit for courses taken at other institutions during the time of suspension or probation.

## **Research, Internships, and Other Special Courses**

Students may enroll in selected readings, research, internships, directed studies, and special projects. These courses have specific requirements and are usually limited to juniors and seniors. A maximum of nine hours of directed study, internships, selected readings, research, and special projects may be counted towards graduation.

A directed study requires a minimum GPA of 2.25 with course approval by the Provost prior to the semester in which it is taken. Each directed study will culminate in a research paper or its equivalent and is normally open to departmental majors with junior or senior standing.

Internships require a minimum GPA of 2.00 at the time of applications (or higher if specified by the department in which the internship is taken). Students are limited to a maximum of six hours credit for all internships. Internships are offered on a pass/fail basis only. A department may, at its option, allow the pass/fail hours required in the internships to count toward its major. A minimum of 42 hours of supervised field work is required for each hour of credit given, and there must be on-going contact between the on-campus and the off-campus supervisors in these programs. The student intern is required to keep a log that chronicles day-to-day events. The student’s advisor or on-campus supervisor may establish additional requirements (i.e., paper, presentation etc.).

Selected readings are open to students with sophomore, junior, or

senior standing. Hours earned in these readings cannot be used to meet requirements for the major.

Research in certain departments is offered for students with a GPA of 2.50 (or higher if specified). Research projects are normally open only to majors.

Seminars are regularly offered by various departments of the College. The requirements for these courses are individually listed.

Special Projects are open to sophomore, junior, or senior students who have a GPA of 2.25. All projects must be approved by the Provost.

## **Special Topics Courses**

Special topics courses are those that cover subject matter that is not part of the regular curriculum. A special topics course must have the prior approval of the department and the Provost and may be offered twice. Students may enroll in and receive credit for an unlimited number of special topic courses as long as any prerequisites or other requirements are met.

## **Correspondence Courses**

Students may receive credit for correspondence courses only if a conflict would prevent or delay graduation and then only with the prior approval of the advisor and the Provost. However, no general education requirement may be satisfied by correspondence. Correspondence courses shall constitute part of the student’s academic load for the semester in which they are undertaken and no more than 6 hours of such courses shall be credited towards the degree.

## **Graduation Requirements**

It is the student’s responsibility to ensure that all requirements for graduation have been completed. This includes, but is not limited to, completion of required courses, appropriate cumulative GPA,

and attaining the GPA in major coursework, and fulfillment of the CEP requirements.

### Anticipated Graduates

Students will be allowed to “march” at commencement if they are two courses (maximum of eight hours) and/or two CEP events short of the graduation requirements, provided that they have met all other requirements for graduation.

### Requirements for Delayed Graduation

Students who fail to graduate with their entering class will remain subject to the general education graduation requirements of that class and must fulfill the major requirements applicable at the time the major is declared.

### Repeat

A student may improve the cumulative GPA by repeating courses. Courses taken at PC must be repeated at PC in order to improve the GPA. When such action is taken, the original grade will remain on the transcript, but the number of hours passed and the quality points will count only from the last time the course is taken. If a student repeats a course and earns a lower grade than the prior grade, only the grade from the repeated course will be recognized. This may affect the student’s GPA and whether graduation requirements are fulfilled. A student who fails a course that is required for graduation three times must successfully complete that course before he/she can take any other courses at Presbyterian College (i.e., the course may be repeated on the fourth, fifth, etc., try; however, no other courses may be taken until the student passes the repeated course.)

### Accommodations for Students with Disabilities

Although Presbyterian College does not have a special program for students with disabilities, the college makes every reasonable effort to accommodate students with disabilities and to assist them in obtaining an education. All students (including those with learning disabilities and/or attention-deficient disorders) must take the required courses for a B.A. or B.S. degree.

The Office of the Provost will assist students with learning disabilities to become aware of the accommodations that the college is able to provide. If a student has a disability that affects academic performance, he/she should inform Provost’s office in writing of the disability as well as the nature of its effect on his/her academic performance. Contact the Office of the Provost for more information and to apply for accommodations.

### Probation and Exclusion

Satisfactory progress toward a degree is encouraged through the academic probation regulations. The minimum academic level rises as more hours are attempted.

Student records are evaluated at the end of each semester and at the end of the second session of summer school. Probation levels are based on total hours attempted at all colleges attended. However, hours transferred into PC are not used in computing the cumulative GPA.

Hours Attempted	Academic Probation Level
0-31 hours	Below 1.5 GPA
32-61 hours	Below 1.75 GPA
62 or more	Below 2.00 GPA

A student who fails to meet these standards is placed on academic probation. A freshman or transfer student placed on academic probation at the end of the first semester at PC

has one additional semester and both summer sessions to raise the GPA above the probation level. A student whose GPA for a semester falls below 1.20 may, at the discretion of the Admissions Committee, be suspended from the college. A freshman on probation for a second consecutive term (i.e., fall and spring) must attend summer school at PC in order to raise the GPA above the probation level. If the student does not attend summer school at PC, he/she is subject to suspension at the end of the second session of summer school. Other students have one calendar year, after being placed on probation, to raise the GPA above the probation level. Failure to do so will result in suspension from Presbyterian College.

Students suspended at the end of the fall semester may not attend during the spring semester. Students suspended at the end of the spring semester may not attend the summer sessions or the fall semester. Students suspended at the end of the summer session may not attend during the fall semester. Students suspended for a second time are subject to permanent suspension.

Any student suspended under the academic probation regulations may appeal the action to the Admissions Committee that considers each request on individual merit and the student’s probability of ultimate academic success.

The student on academic or Honor Code probation or suspension will not receive any academic credit for courses taken at other institutions. This rule may be waived, for due cause, only by the Provost.

Students who have been suspended for any of the above reasons may apply for readmittance after the period of suspension is over by submitting an application to the Admissions Office. These students will be in competition with other regular students for admission.

## **Withdrawal and Leave of Absence**

Withdrawal from College: A student who wishes to withdraw from the College during a semester may do so only with the approval of the Provost in consultation with the Vice President for Student Life. Withdrawals will only be granted when necessitated by serious circumstances (e.g., illness). In these cases, a grade of “W” will be recorded for all courses that have not been completed at the time of withdrawal.

The student should contact either the Office of the Provost or the Office for Student Life to initiate withdrawal procedures. Students who stop attending classes or leave the College without following the appropriate procedures will receive grades of “F” in their course work and jeopardize their opportunity to return in the future.

Students who are granted a withdrawal must apply for readmission and will be in competition with other students for space.

Withdrawal from a Course: In addition to the normal reasons for withdrawing from a class (refer to “Registration” on page 21), a student may, at any time during a term, withdraw from individual courses due to medical or psychological reasons if approved by the Provost in consultation with the appropriate medical/psychological professionals. A grade of “W” will be assigned for courses dropped due to such reasons.

Leave of Absence: A student may request a leave of absence in advance of a semester. This request must be approved by the Provost. The student must present evidence to show that such a leave of absence is justifiable. Normal justification will include medical and psychological reasons, family and financial circumstances, etc.

A student who is granted a leave of absence will not be required to

reapply in order to return to the College; however, the student must notify the Provost in writing of his/her intention to do so at least one month prior to the beginning of the term in which he/she plans to return. Normally, a leave of absence will not be granted for more than two terms.

Students who have been absent from the College voluntarily or involuntarily for medical or psychological reasons, including those granted a leave of absence, or a partial withdrawal, will be required to provide medical or psychological clearance acceptable to the College before being allowed to return to the College.

### **Class Attendance Policy:**

Each academic department will set and administer its own absence policy; therefore, students should read carefully the absence policy as described in each professor’s course syllabus. Students whose absences exceed the number allowed may be dropped from the class with a grade of “F.” A student who forfeits credit for a general education course by exceeding the allowed number of absences may, with the permission of the instructor, continue in the course and receive a grade of “P” upon completion of the course with a grade of 70 or higher. Hours for which a student receives a grade of “P” shall not be included, for statistical purposes, in “Hours Attempted,” shall not count as hours toward graduation, and shall not carry quality point value. Subject to these limitations, the grade of “P” shall be considered as satisfying general education requirements.

A student may appeal a penalty imposed as a result of excessive absences to the Absence Committee. Appeals must be submitted within 48 hours of the time of notification of an imposed penalty. In the event an appeal is filed, the student should continue in the course until the decision of the committee has been

announced. The student’s advisor and instructor in the class will be consulted by the Absence Committee as part of the appeals process. Rulings of the Absence Committee may be appealed to the Provost.

When an absence is unavoidable, students should notify their professors, in advance when possible, by telephone or email to make them aware of their absence and to coordinate any missed work. Students should be prepared to offer medical or other documentation to substantiate the need for their absence.

### **Readmission**

Except for those granted a leave of absence, all students who have been absent from the College voluntarily or involuntarily for one or more terms or parts thereof and who desire readmission for a subsequent term shall submit the customary application for admission with such supporting documents as may be required by the Admissions Committee and shall be in competition with other applicants for admission at that time.

### **The Honor Code**

There is, within any community, the need for a set of regulations that guides the actions of the individuals within that community in their relationships with each other. At a college, these relationships may be divided into two general categories: academic and co-curricular. The first pertains to all of those activities involved in the instructional program within the classroom, laboratories, etc., under the direct supervision of the faculty and the Provost’s Office. The second involves all other activities that occur in the residence halls, on the playing fields, in social life, etc.

Full details of the Honor Code are included in The Blue Book, a copy of which is given to each individual student who enrolls at Presbyterian College. All students are expected to sign a matriculation pledge that

states their agreement to abide by the regulations included in this code.

The Honor Code contains most of those items that directly pertain to the academic life of the College: lying, cheating, plagiarism, and stealing. Non-academic infractions involving assault and vandalism fall within the purview of the Code of Conduct. All students are pledged to abide by the regulations of this code. Faculty and staff commit themselves to support the students in enforcement of the Honor Code. Failure to enforce the Honor Code is itself a violation of the code.

### Pre-Professional Programs

A variety of programs offers the Presbyterian College student a solid academic base on which to pursue a professional education.

### Pre-Theological

A pre-theological student should schedule at least six hours of Greek and may be advised to major in religion. The student also should take as many hours of English, history, psychology, and sociology as possible.

### Pre-Medical and Pre-Dental

Students must adhere to a rigorous schedule to prepare for medical and dental schools and for post-graduate admissions tests administered during the junior year at PC. Interested students should consult with the pre-medical/pre-dental advisor at their earliest opportunity.

### Pre-Allied Health Sciences

Students interested in careers in allied health professions often spend two or three years at PC and then transfer to a medical university or other professional school to complete the training in such fields as nursing, radiologic technology, physical therapy, and medical technology.

### Pre-Pharmacy

Students may obtain at PC those courses necessary for admittance to a pharmacy school that accepts students at the third-year level. Because various pharmacy schools have slightly different requirements for admission, students and their college-assigned advisors should ascertain the specific requirements of the schools of their choice and then develop an appropriate schedule of courses.

### Pre-Law

Admission to law school does not require any specific course of study. Departments offering programs developed as pre-law training are: economics and business administration, English, history, and political science. An interdisciplinary minor that includes courses designed for a concentration in pre-law (but is not intended to be a pre-law program) is shown on page 106. Each program gives students a broad background upon which to build formal legal training.

### Pre-Veterinary Medicine

Students interested in entering a veterinary medicine program will be assigned a special advisor who will help them arrange their courses at PC to fulfill the specific requirements of the veterinary medicine school of their choice.

### Teacher Education and Certification

The Presbyterian College Teacher Education Program is accredited by the National Council for the Accreditation of Teacher Education (NCATE). Presbyterian College offers programs of study leading to teacher certification in the following specialty areas:

Specialty Area	Grade Levels
Early Childhood	Pre-K to Grade 3
English	Grades 9-12
Mathematics	Grades 9-12
Middle School	Grades 5-8
Music	Grades K-12
Science/Biology	Grades 9-12
Social Studies	Grades 9-12
Spanish	Grades K-12

Title II reports submitted to the U.S. Department of Education document 100-percent summary pass rates on Presbyterian College program completer required examinations. The full Title II report is available on the College's web site.

### Engineering Dual-Degree Programs

Students may combine study in liberal arts with further study in an engineering discipline under the cooperative dual-degree programs Presbyterian College has with Auburn, Clemson, University of South Carolina, and Vanderbilt Universities. These five-year arrangements permit students to spend their first three years at PC completing general education requirements and participating in the physics major program. The remaining two years are spent at Auburn, Clemson, South Carolina, or Vanderbilt studying in the chosen engineering discipline. Upon completion of the program, the student is awarded the B.S. degree in physics from PC and the engineering degree from Auburn, Clemson, South Carolina or Vanderbilt. Students should consult the registrar at one of these institutions for clarification regarding transfer work.

### Study in Forestry and Environmental Studies

Presbyterian College offers a program in the fields of forestry and environmental studies in cooperation with the Duke University School of Forestry and Environmental Studies.

Students who elect this program must complete at least three years in an approved curriculum at Presbyterian College. Upon completion of the first semester of the junior year with a minimum GPA of 3.00, application may be made to the Duke School of Forestry and Environmental Studies. Applications are considered on a competitive basis. After admission to Duke, the student attends two academic years to complete the master's degree. With the satisfactory completion of the first year of the professional program at Duke and the submission of the first year's record, the student is awarded the baccalaureate degree from Presbyterian College. Interested students should contact the pre-forestry advisor early in their college career.

## Special Programs

For Presbyterian College students, the college experience is not limited to the classroom. Special programs ensure that students obtain the most from their learning opportunity.

## Collaborative Programs

PC has developed collaborative educational programs to enhance students' experiences of being global citizens. Presbyterian College and Claflin University, a historically black college located in Orangeburg, South Carolina, have developed programs that allow students from both schools to learn about the cultural differences and similarities that each school brings to its educational programs. Similarly, PC and Guizhou University in China have established a collaborative program to expand the global awareness of students and faculty through academic and cultural exchanges.

## Study Abroad

Presbyterian College offers a variety of opportunities for students interested in a semester abroad. Direct enrollment agreements with overseas universities and cooperative agreements with other American institutions allow students to study in the United Kingdom, France, Germany, Austria, Spain, Mexico, China, Japan, Australia, and New Zealand. Students who wish to study in a program that has not yet been approved by Presbyterian College may work with the Director of International Programs to obtain approval and ensure appropriate credit toward their major and toward graduation.

The College has developed active exchange relationships with Abo Akademi in Finland, Han Nam University in South Korea, and Karlsruhe University of Education in Germany under which PC students may study at these universities and students from Abo, Han Nam, and Karlsruhe study at PC.

## Washington Semester Program

Students may also spend a semester at American University in Washington, DC. The Washington semester allows students to participate in an academically challenging internship in the DC area as part of their coursework for the term. For more information contact the Office of Career Services and Student Programs

## PC-at-Oxford Program

Each summer, students and faculty travel to the United Kingdom as participants in the PC-at-Oxford group. The group lives at one of the Oxford colleges, and each student member participates in one or two courses over a three-week period. The students receive academic credit for the courses that vary from summer

to summer to allow students in different disciplines an opportunity to participate in the program.

## Hansard Program

The Hansard Society for Parliamentary Government in London, England, offers scholarships to qualified students who may study for a semester or a year in an internship program. Many students in the Departments of History and Political Science are successful in obtaining these positions.

## May Period (Fleximester)

Presbyterian College offers special programs of study in various locations during the optional May period. These programs are developed by faculty members to provide off-campus educational experiences to enhance the student's education at PC.

In recent years these programs have included studies in the Caribbean, the Western Plains, Galapagos Islands, Australia, Western Europe, Vietnam, Guatemala, and Mexico.

## Honors Program

Highly motivated students with above average abilities may also undertake a departmental honors research program during their junior and/or senior year. Students who successfully complete this project will graduate with honors in their major field. See page 25 for more information.

## Honors Day Symposium

Presbyterian College honors the research and creative endeavors of students by inviting them to take part in an interdisciplinary undergraduate scholarly conference. The annual Honors Day Symposium offers students an opportunity to share the results of their scholarly efforts with the Presbyterian College community. The symposium occurs on the day of the Honors Day Convocation;

both events honor outstanding academic work being completed by PC students. Past symposiums have included literary, humanist, and scientific presentations and posters from students of all disciplines and all years.

### **PC Summer Fellows (PCSF)**

The summer fellows program is designed to enhance the academic experience of PC students by providing them with opportunities to work with faculty during the summer. The program is intended for motivated students to gain research experience with direct faculty mentoring. Students experience the process of research as a creative intellectual activity in a living learning environment.

### **Russell Program**

A concern that PC students recognize and understand the influence and responsibilities of modern communications media led to the creation of the Russell Program in 1986.

Through the Russell Program, PC conducts the annual Arnold Symposium focusing on aspects of the media and society and has brought to campus such renowned individuals as author and performer Ben Stein, TV journalist Bill Moyers, legal analyst and former prosecutor Christopher Darden, political commentator and best-selling author William Bennett, General Wesley Clark, former White House Press Secretary Dee Dee Myers, Harvard Professor Cornel West, and CNN anchor Soledad O'Brien.

The program also involves a media-learning center, interdisciplinary courses, student internships, awards competition, and faculty development. Russell provides support for campus radio station WPCX as well as for student publications. It is made possible by the generosity of Ernest and Frances Arnold, trustees of the Russell Charitable Trust.

Since 2003, the Russell Program—in cooperation with The New York Times, The Wall Street Journal, and PC—has made copies of these two national newspapers available free throughout the academic year to students, faculty, staff, and visitors. Many faculty members have utilized one or both of these papers in classroom instruction and discussion.

Presbyterian College consolidates its co-curricular programming in technology with that in media under the aegis of the Russell Program. Complementing the yearly Arnold Symposium in Media is an annual Lanier Symposium in Technology. The Lanier Symposium honors Campbell B. Lanier, a distinguished friend of the College.

### **Reserve Officers' Training Corps (ROTC)**

The Army ROTC program at Reserve Officers' Training Corps (ROTC)

The Army ROTC program at Presbyterian College is designed to enhance a student's college education by providing unique training and practical experience in leadership and management – qualities essential to success in any career. Upon graduation from PC, contracted Cadets who have successfully completed ROTC training are awarded a commission as a Second Lieutenant in the U.S. Army, U.S. Army National Guard, or the U.S. Army Reserves.

To prepare Cadets to become commissioned officers, the ROTC program combines college courses in military science and leadership with summer training. The military science curriculum consists of a two-year Basic Course and a two-year Advanced Course.

The Basic Course is taken during the freshman and sophomore years. Students do not incur any military service obligation for participation in

the Basic Course. Previous military experience or completion of JROTC may be accepted by the Professor of Military Science in lieu of some or all of the Basic Course requirements. Attendance at the Leadership Training Course may also be used as credit for the Basic Course.

The Advanced Course is limited to contracted Cadets or students who have completed the Basic Course requirements and are actively seeking to be a contracted Cadet. Advanced Course Cadets attend the 30-day Leadership Development and Assessment Course at Fort Lewis, Washington, during the summer between junior and senior years. Additionally, Advanced Course Cadets assume leadership positions on campus in which they plan, lead, and evaluate training for other Cadets.

Both men and women may enroll in ROTC, contract with the U.S. Army, apply for scholarships, and enter in the commissioning process. In order to become a contracted Cadet, a student must schedule a military physical through the ROTC department with a resulting status of "qualified." The student must also meet the minimum physical fitness requirements and have a minimum GPA of 2.00. To earn a scholarship the student must have a minimum GPA of 2.50. All contracted Cadets, whether on a scholarship or not, must maintain a minimum semester and cumulative GPA of 2.00 to remain in the program.

### **Summer School and Accelerated Program**

Presbyterian College operates a summer school divided into two terms of five weeks each. This schedule enables a student to earn 6 hours of credit for each of these terms or 12 hours for the entire session (14 hours if a laboratory science is included). Summer applicants must meet regular requirements for

admission, but registration in this session does not necessarily imply admission to the fall semester.

Students who wish to accelerate their programs may do so by attending summer school in addition to attendance during the regular nine-month sessions.

### **The Library**

The library program is conceived as an integral part of the educational process. It operates on the assumption that the ability to locate and evaluate needed information with confidence is one of the distinctive marks of an educated person. By means of formal and informal instruction in research methods and bibliography, the student is encouraged to progress from heavy reliance on textbooks and assigned readings characteristic of the freshman to the independent work of the graduate scholar who has learned how to discover and gain maximum benefit from modern information resources.

Library policies are established to ensure for all borrowers an equal opportunity to use and enjoy the

library's resources and facilities; they do so by indicating appropriate use of the library's resources and facilities and specifying the consequences of inappropriate use. The right of each individual to good library service depends in large measure upon a willingness to respect the rights of others.

### **The Writing Center**

The College provides a writing center to help students become better writers as they adjust to the demands of college writing and begin writing in their chosen disciplines. Student tutors and the coordinator work one-on-one with students at any point in the process of writing papers – from brainstorming ideas to polishing a final draft. Tutors can help by asking questions as readers, suggesting strategies for revision, and teaching proofreading skills. The writers are actively involved in the writing conference, doing the work of revising and editing. Although the writing center works closely with freshmen in English composition classes, students in all disciplines may continue to work

on their writing in the center during their four years of college. The writing center has many reference books and handouts on aspects of writing such as MLA documentation or comma use. See the writing center web site at [www.presby.edu/writingcenter](http://www.presby.edu/writingcenter) for more information.

### **Academic Advising**

The College offers academic advising to all students, placing the experience of its faculty at the service of students for formal and informal counseling.

Before initial registration, each student is assigned a faculty advisor who should be consulted whenever a problem arises. The student especially needs advice

- (1) before registering for future courses,
- (2) before dropping courses, and
- (3) when planning a program of study and selecting a field of concentration.

# RC

## **College Cost and Student Aid**

<b>Charges for 2008-2009</b>	<b>32</b>
<b>Expenses</b>	<b>33</b>
<b>Scholarships and Student Aid</b>	<b>36</b>



## COLLEGE COSTS AND STUDENT AID

The cost of a quality college education is a major expense item in the budget of most students' families. For this reason, Presbyterian College tries to meet the real financial need of any qualified applicant through its program of scholarships, grants, loans and work-study opportunities. Additional information about this program is carried in the section on scholarships and student aid which begins on page 49.

Hours for the Office of Student Collections cashier's window in Smith Administration Building are: 9:30-11:30 a.m. and 2:00-4:30 p.m. Monday through Friday. When the cashier's window is closed, payments may be dropped into a secure mail slot underneath the window. Account information is available at [www.presby.edu/stuacct](http://www.presby.edu/stuacct).

Expenses listed below are for both semesters.

### Charges for 2009-2010 School Year

	Resident Student	Commuter Student
<b>Tuition</b>	<b>\$26,436</b>	<b>\$26,436</b>
<b>General Fee</b>	<b>2,038</b>	<b>2,038</b>
<b>Technology Fee</b>	<b>406</b>	<b>406</b>
<b>Room (Typical Double)</b>	<b>4,080</b>	—
<b>Meals - Any 17 Plan</b>	<b>4,265</b>	—
<b>Total Annual Charge (17 Plan)</b>	<b>\$37,225</b>	<b>\$28,880</b>

Some rooms, including single rooms, are charged other rates. The fee varies by type of room, ranging from \$3,248 to \$5,792 per year. A schedule of charges is available through the Office of Student Collections and at [www.presby.edu/stuacct](http://www.presby.edu/stuacct).

Financial aid awards only apply to typical double room rates. Students and parents are responsible for paying any difference on premium alternate room rates. Internet service fees are extra.

### Payment of Charges

		Resident Student	Commuter Student
<b>August 14, 2009</b>	<b>17 Plan</b>	<b>\$18,612.50</b>	<b>\$14,440</b>
<b>December 15, 2009</b>	<b>17 Plan</b>	<b>18,612.50</b>	<b>14,440</b>

*(See policy for payment of fees on page 34.)*

## Expenses

The College is deeply committed to offering each student an excellent education while focusing financial attention on cost containment. Policies and programs are in place to ensure that this occurs. Thanks to the generosity of donors – past and present – no student pays the full cost of a Presbyterian College education. Annual support, together with income from endowments, cover a significant portion of the cost.

This information is correct as of July 1, 2009. Changes in assistance programs may result in changes to the following information.

### Escrow and Advance Deposits Freshmen and Transfers

An escrow deposit will be required of all incoming students. Students upon receipt of their acceptance letter to enroll at Presbyterian College for the 2009-2010 academic year are required to pay a non-refundable \$400 escrow deposit. This payment establishes the required escrow deposit that will secure a space in the classroom for the appropriate entrance date for each semester and in the College's student housing program. The escrow deposit will be held over the course of the student's academic career and will be applied toward any outstanding fees and fines that have not been paid upon graduation or withdrawal from the College. At that time if there is a credit balance after application of the escrow deposit toward the student's tuition account, a refund will be processed within 45 days. However if after application of the deposit toward the student's tuition account there still remains an outstanding balance, payment in full of the outstanding balance must be received before the College will honor any requests for transcripts. The College will also withhold a student's diploma until any outstanding balance is paid upon graduation.

The escrow deposit is refundable to incoming freshmen and transfers only if the student has matriculated and attended classes after September 1st for the fall semester and January 15th for the spring semester.

The escrow deposit is otherwise refundable to returning students upon graduation or if the student has officially withdrawn and will not return within one year.

### Advance Deposits - Returning Students

After the establishment of the \$400 escrow deposit, upperclassmen will be required annually to pay a non-refundable \$300 advance deposit that will secure a space in the classroom for the appropriate entrance date for each semester and in the College's student housing program. The advance deposit will be credited to the student's tuition account and will be applied toward tuition and fees for the fall semester or for the spring semester for students not enrolled for the fall semester.

Payment of the advance deposit is used by the College as an indicator of the students who are committed to continuing their enrollment. It assists the College in formulating plans for meeting the needs of the students. Therefore, students that decide not to return to PC after payment of the advance deposit will forfeit the deposit.

### Living and Dining Accommodations

With the exception of the Scottish Arms apartments, the fee for room rent includes accommodations in college housing, A/C, heat, lights, water, cable, local phone, laundry, and janitorial service for common areas. Water, sewer, and trash disposal are provided to students residing in the Scottish Arms. All other utilities are the responsibility of the student. Apartments are unfurnished.

The rates listed on page 32 include all necessary expenses for a nine-month

session except books and spending money. PC reserves the right to increase these rates if such action becomes necessary.

Personal expenses must be determined by the individual student.

All full-time single students — except those commuting daily from their family's residence — are required to live in college residence halls each semester during their enrollment as PC students and subscribe to a meal plan. Exceptions to this policy can be granted in extraordinary cases by the Vice President of Student Life. Some senior-only housing is available in the Senior Hall, the townhouses, and the Scottish Arms Apartments. A housing lottery will determine which seniors will be permitted to live in these housing options and live off campus.

While enrolled in summer school, students may be allowed to live off campus or live on campus. For summer meals, students may purchase a meal ticket from Sodexo in the dining hall.

During the Fall and Spring terms, Greenville Dining Hall offers a wide variety of food to suit almost every taste. Five separate stations and two self-serve bars provide a mix of food styles. Many entrees are prepared to order and cooked while you watch. The College offers two meal plans. Most students must select a full plan, offering 17 meals each week (including brunch on Saturday and lunch on Sunday). Students residing in the College townhouses, the Senior Hall, and the Scottish Arms Apartments have the option of selecting an eight-meal plan. Student teachers residing in College housing have the option of selecting an eight-meal plan during their semester of student teaching. Commuters may elect an eight-meal plan or choose no meal plan and pay at the door for any meals eaten in the dining hall.

Students on any meal plan are offered “Kilt Cash” that may be used in lieu of cash in the Springs Food Court. The Food Court includes a sub shop, grill, yogurt, and Jazzman’s coffee. Additional Kilt Cash can be purchased and added to the student’s ID card in the dining hall.

## **The General Fee**

The general fee of \$1,019 per semester covers necessary charges that must be made for certain services and items of equipment. It includes matriculation, library, laboratory, and student activities fees. Charges for student activities cover participation in athletic activities, free admission to all intercollegiate athletic contests played on the campus, and subscription to student publications. This fee is required of all commuter and resident students.

## **Technology Fee**

All full-time students will pay a \$203 per semester “Technology Fee.” Part-time students will pay \$17 per credit hour up to a maximum of \$203 per semester. This fee supports the College’s investment in computing and technology and its support of the educational program.

## **Special Fees**

Application Fee: An application fee of \$40 is required with each paper application submitted to the Admissions Committee for processing. Online applications are \$25.

Orientation Fee: All incoming freshmen and transfer students are required to pay a \$100 orientation Fee (subject to change).

Diploma, Cap & Gown Fee: A one-time fee of \$50 for diploma, cap, and gown will be automatically assessed and billed to each student upon reaching 90 credit hours or upon officially declaring dual-degree candidacy. A student who withdraws after paying the fee will receive

a full refund. Upon re-entering Presbyterian College the student will be re-assessed the \$50 fee.

Directed Study Course Fees: A schedule for charges for directed study courses is available by contacting the Office of Student Collections.

Applied Music Fees: Fees for applied music lessons are \$285 for 0.5 hour credit and \$450 for 1 hour credit.

Travel Course Fees: Optional courses requiring travel (foreign and domestic) will require additional charges. These costs, payable at the time the course is offered, are subject to change with the world economy. For any off-campus study or internship for which the student receives Presbyterian College credit, the minimum charge will be tuition and fees charged by Presbyterian College.

Course Specific Fees: Each course that requires payment of a specific fee related to enrollment in a course will be disclosed in the portion of the catalog that describes the course.

Miscellaneous Fees: Charges for breakage, special medicines, emergency transportation, services, and other appropriate items will be made when and if these charges occur. These bills will be handled in accordance with college policy.

## **Policy for Payment of Tuition, Fees, Room and Board**

The purpose of this policy is to provide Presbyterian College students and their families a clear understanding of the College’s requirements for payment of tuition, fees, room, board, and other charges that may be posted to the student account. The policy establishes the consequences of non-payment of accounts by the prescribed deadlines. All statements are due and payable as indicated on the online invoice from the Office of Student Collections found at [www.presby.edu/stuacct](http://www.presby.edu/stuacct). The policy establishes

the consequences of non-payment of accounts. All balances are due and payable as indicated on the Online Invoice from the Office of Student Collections found at [www.presby.edu/stuacct](http://www.presby.edu/stuacct). The College expects payment or enrollment in the payment plan through Educational Computer Systems, Inc. (ECSI) by the dates indicated. Payment plan payments must be in a current status when students arrive on campus for the semester.

Students that have not made payment or satisfactory arrangement for payment by the first day of class will be issued a ‘Notice to Vacate’. Enforcement of this notice will occur one week after issuance and the student will be required to leave campus. The student’s registration in classes will be officially withdrawn; Residence Life will be notified to cancel access to the student’s assigned room and remove the student from the meal plan; and the Financial Aid Office will be notified to withdraw aid funds awarded the student. Details of the tuition and fees payment policy are available on the Business Office website.

The College reserves the right to charge a finance charge on outstanding obligations not to exceed 18 percent APR. Non-payment of financial obligations to the College can result in referral of accounts to outside collection agencies. Students will be responsible for payment of all collection costs, including legal fees that may be required for collection purposes. Also, the collection agencies will report delinquent accounts to the major credit bureaus resulting in potential damage to the individual’s credit rating.

Annual cost is divided between the two semesters.

**Online Invoicing and Online Payment Available at [www.presby.edu/stuacct](http://www.presby.edu/stuacct).**

Bills are available on-line. Except in special circumstances, no paper bills will be sent. There is an option to pay either by Electronic Check (E-Check) for free or by credit card (MasterCard, American Express or Discover) for a 2.5% processing fee. The site offers payment confirmation immediately after the transaction is completed. Checks may also be mailed or submitted in person to Presbyterian College. To view the invoice and make payments at any time, you will need the student's PC identification number and the last four digits of the student's social security number.

Several payment options are offered through Educational Computer Systems, Inc.

Go to the online application at [www.ecsi.net](http://www.ecsi.net) and choose "Are you a student". Or call toll free at 888-549-3274.

### **Lump Sum Payment**

This option is available until August 24 for fall 2009 term and January 6 for spring 2010 term.

ECSI accepts VISA. You may make a lump sum payment with your VISA. There is a 3.95% processing fee plus \$1.00 per transaction. You may make online payments with Discover, American Express and MasterCard on the Presbyterian website at [www.presby.edu/stuacct](http://www.presby.edu/stuacct).

### **Tuition Payment Plan (monthly installment plan)**

Annual fee - \$45.00 and semester fee - \$35.00. Live customer service available during normal business hours. Available plans are 12 Month Plan (begins in April), 10 Month Plan (begins in June), Fall Plan (begins in June) and Spring Plan (begins in November). Students studying abroad are not eligible to participate in the installment plan while abroad. Advance and/or Escrow Deposits may

not be paid through the installment payment plan.

### **Returned Check Policy**

Students will be charged a \$25.00 fee for any check received in payment of any obligation that is returned by the bank. The intentional passing of bad checks may result in an Honor Code violation.

### **Refund Policy**

General refunds (overpayment or excess loan funds) will be disbursed each semester unless a carry forward credit form is completed by the student which allow the collection office to hold the refund from the fall semester to the spring semester. All refunds will be made payable to the student and mailed to the permanent address except when there is a PLUS (Parent Loan) on the account. If the credit on the account is in excess of the student loan amount, those refunds will be made payable to the parents and mailed to their address.

Students that change room or meal assignments with the permission of the Office of Residence Life will have adjustments to the corresponding charges on their student accounts based upon the effective date of the change. A refund will be disbursed if a credit balance results after the changes on the student account.

### **Withdrawal from the College**

Many commitments of the College are based upon the enrollment at the beginning of the year. Students are expected, therefore, to be in attendance for the entire year. Students who withdraw may receive a partial refund. The first day of class will be used for the purpose of computation of refunds. The official date of withdrawal will be established by the Provost according to college policy. Refunds will be computed on all fees including room and board, and based on a prorated refund calculation required by federal law.

There is no refund applicable after a student has attended 60 percent of the semester (i.e., through the ninth week of the fall semester) The prorated refund calculation will also apply to all financial aid awards to be refunded to granting agencies. Students that withdraw in the final 40 percent period of the semester will receive no refund and no adjustment to charges will be made. An administrative fee of \$100 (as allowed by law) will be assessed on withdrawals.

### **Withdrawal from a Course or Courses**

Any full time student who drops below full-time (12 hours) to part-time status after the last day for late registration and change of courses will be charged tuition, fees, room, and board at the full-time rate. Therefore, no refund will be given.

### **Transcripts**

Official transcripts of record are available through the Registrar's Office. Special handling (Federal Express, USPS express mail, or UPS) requires the payment of a \$25 fee. A request for transcripts must be made in writing. No student will receive a transcript of credits until all charges have been paid or satisfactory arrangements have been made with the Office of Student Collections. Upon notification of any defaulted loan a hold is placed on the account for release of a transcript.

### **Diplomas**

Diplomas will be held until any outstanding balance is paid. Students that have student loans (Perkins, Stafford, etc.) are required to complete an exit interview prior to graduation. Diplomas will be held until the exit interview has been completed. For convenience, exit interviews will be available online.

## Part-Time Students

The 2009-2010 charges for all part-time (less than 12 hours) students are \$1,101.50 per credit hour, \$22 per semester matriculation fee, and \$17 per credit hour technology fee.

The non-credit auditing fee per course will be \$75 for courses of one to three credit hours. A technology fee of \$17 per credit hour will be charged in addition to the \$75 non-credit auditing charge, making the minimum charge for auditing any three-credit-hour course \$126. During the fall or spring semesters, individuals will be limited to a per semester maximum of two 3-hour audit courses and one 1-hour audit course.

Senior citizens (age 62+) may audit a course for a flat fee of \$75. Parking stickers are included in per course fee for senior citizens.

## Summer Session

Students may earn a maximum of seven-hours credit in each term of the two-term summer school. Session I begins in June and Session II begins in July. The 2009 charges: tuition — \$390 per credit hour; technology fee — \$17 per credit hour, and matriculation fee — \$20 per term. Science laboratory courses require a \$50 fee; room — \$865 per term or \$965 for a single room per term. Regardless of hours taken, all students are eligible to reside in dormitories. Meals: Students may purchase a meal ticket in person at the Greenville Dining Hall. Checks should be made payable to Sodexo. Contact Sodexo at (864) 833-8398 to pay by bank card. Meal tickets are optional during summer school. Meal tickets for summer will be \$196.90 for 30 meals, \$98.45 for 15 meals and \$6.75 for one meal. Unused punches may be used in a future term. Summer hours of operation for the Greenville Dining Hall will vary. The dining hall will have limited hours and some days it may be closed. Students should bring

additional funds to purchase meals off campus during these times.

The non-credit auditing fee per course will be \$75 for courses of one to three credit hours. The summer term non-credit auditing maximum is one 3-hour course and one 1-hour course. A technology fee of \$17 per credit hour will be charged in addition to the \$75 non-credit auditing charge, making the minimum charge for any three-credit-hour course audited \$126. A \$50 laboratory fee per lab will be charged for science courses.

Withdrawal from Summer Session: During the summer session, the first day of class will be used for the purpose of computation of refunds. Refunds will be computed on all fees, including room and board, based on the prorated refund calculation required by federal law. The refund will apply for any student whose withdrawal date is through the 60-percent enrollment period in time (through the third week). The prorated refund calculation will also apply to financial aid awards to be refunded to all sources. An administrative fee of 5 percent (as required by the law) will be assessed on withdrawals.

## Scholarships and Student Aid

The cost of a college education is a major expense item in most family budgets. Presbyterian College recognizes this reality with a financial aid program designed to help those qualified students who need assistance in attending school.

Parents are expected to make a maximum effort toward underwriting the cost. Beyond this point, the College offers a variety of scholarships, grants-in-aid, work opportunities, and loan funds to help defray expenses. The applicant is also advised to investigate

outside sources of aid, (i.e. from churches, civic groups, businesses, etc.).

To help assess the need of each student, PC requires the Free Application for Federal Student Aid (FAFSA). This application makes a standard evaluation of family financial resources and recommends the amount of aid needed, and the Federal government approves this approach for the numerous student aid programs it is now financing on college campuses. Apply online at - [fafsa.ed.gov](http://fafsa.ed.gov)

Annual review of the recipient's financial need requires submission of the FAFSA each spring. The priority deadline for receipt of the aid application in the Financial Aid Office is March 1.

A candidate for a scholarship or other financial aid must be accepted for admission to PC to be eligible for consideration.

PC reserves the right to amend or adjust an award should a student receive additional aid from any source, including scholarship, loan, or work on or off campus. Awards may be underwritten by funds from any source.

## Satisfactory Academic Progress

Satisfactory academic progress is defined in the Probation and Exclusion section of this catalog on page 25. In addition to satisfying the minimum grade requirements, a student must complete a minimum percentage of work within an established time frame of six years (see chart next page) in order to be eligible for financial aid.

To retain federal grants, loans, and work-study, students must maintain satisfactory academic progress to include time requirements. Students who do not may lose Federal Pell Grants, Federal Supplemental Educational Opportunity Grants, Federal College Work Study, Federal

<b>Academic years completed</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5-6</b>
<b>Minimum number of credits that must be successfully completed</b>	<b>20</b>	<b>44</b>	<b>68</b>	<b>94</b>	<b>122 or more</b>

Stafford Loans, and Federal Perkins Loans

Satisfactory academic progress is monitored on a yearly basis. Since the academic standing of a Presbyterian College student is based upon strict criteria set by the faculty of the college, financial aid satisfactory progress follows the same guidelines. As long as a student is in “good academic standing” and meets the time requirements below, he/she remains eligible for financial aid.

A student who does not satisfy the guidelines due to special or extraordinary circumstances may appeal the loss of financial aid in writing by stating the reasons for the appeal. The appeal should be addressed to the Director of Financial Aid who will then present it to the Appeals Committee for consideration. The committee may grant or deny the appeal based upon justification of the circumstances.

Students who lose federal financial aid due to satisfactory progress may receive aid once the delinquent grade or time frame is rectified.

### Policy on Recalculation of Hours

If a student drops hours after the drop/add period, no adjustment is made to the charges or the aid for that semester.

### Policy on Refunds if the Student Withdraws

If a student withdraws from all classes during the first 60 percent period of the semester, all aid that is not earned will be returned to the aid program involved. Refunds will be calculated on a per-diem basis tied to the semester calendar. Students who withdraw during the final 40 percent

period of the semester will receive no refunds and no adjustment to charges will be made. Aid will be returned in the following order:

1. Stafford Loan
2. Perkins Loan
3. PLUS Loan.
4. Pell Grant
5. Supplemental Educational Opportunity Grant
6. Presbyterian College Grants and Scholarships
7. State Funds
8. Private Scholarships

A revised aid award letter will be sent to the student listing the aid, that was retained by the student. The Business Office will recalculate the charges and refund any overpayment to the student or parent.

Students who plan to withdraw must notify the Office of the Provost of their intent.

Copies of the Financial Aid Withdrawal Worksheets and examples of the refund process are available upon request from the Presbyterian College Financial Aid Office.

### Presbyterian College Academic Scholarships

The scholarship programs described below are awarded competitively to entering freshmen on the basis of academic merit, extracurricular activities, leadership, and character. Financial need is not a factor. The selection process includes a review of applications, high school records, standardized test scores, and, for the Quattlebaum Honor Scholarship, campus interviews.

### Quattlebaum Honor Scholarship:

Awarded to two selected students each year, the Quattlebaum scholarship covers the full cost of tuition, room, board, and fees (renewable for up to four years of undergraduate study at PC with specific GPA renewal requirements). The students selected as Quattlebaum Scholars not only will have exhibited exceptional academic achievement, but will have demonstrated leadership ability and potential and outstanding personal character. This is the most prestigious award offered by Presbyterian College. Admissions application must be completed by November 15.

### Founders Scholarship:

To be considered for the Founders Scholarship, students must be residents of South Carolina, qualify for the early round of SC Palmetto Fellows Scholarship, and score at least 1300 on the SAT or 29 on the ACT. The Founders Scholarship is a \$30,000 scholarship package with an estimated four-year value of \$120,000 (includes any federal and state aid for which the student qualifies). There is a limited number of awards. Admissions application must be completed by November 15.

### Chinese Scholars:

Up to 30 incoming freshmen will be selected for the Chinese Scholars program. These students will take two semesters of Chinese Language instruction taught at PC during their freshman year and will complete the foreign language requirement by participating in a third course —

a Maymester trip to China for an immersion experience. PC will contribute \$1000 towards the cost of the trip to China. Students interested in being considered as Chinese Scholars will be required to submit an additional essay. Admissions application must be completed by November 15.

**Presbyterian Church USA Servant Leadership Scholarships:** These scholarships (eight awarded each year, valued at \$5000 each) are given to students who have demonstrated outstanding community and/or church service and are members of a Presbyterian Church (USA). Students will be asked to submit letters of support from their pastor and/or youth advisor for consideration. Those students nominated for the Outstanding Youth Leader Awards by their church will be considered for these awards. Admissions application must be completed by November 15.

**Music Scholarships:** Scholarships in music are available to all PC students who are interested in participating in programs and ensembles offered by the Department of Music. Scholarships are available for prospective music majors, music minors, and students who only want to be involved in ensembles such as choirs, bands, orchestras, bagpipes, and handbells. The Department of Music offers two levels of scholarship support: The General Music Scholarships are available to all PC students and the Dorothy C. Fuqua Music Scholarships are available only to students who intend to major in music. To apply for any scholarships in music, prospective students must download or acquire the Music Scholarship Application that is available at the departmental website, [www.presby.edu/music/auditions.html](http://www.presby.edu/music/auditions.html), or by calling the departmental offices. The completed application is submitted to the Department of Music and an audition will be scheduled for a convenient time during January, February, or March (see website for dates and details.) All applicants indicating a possible music major are automatically entered in the Fuqua Competition while remaining eligible for General Music Scholarships. Prospective majors

must audition prior to February 20, 2010, to be eligible for the Fuqua scholarships. The level of scholarship aid in music ranges from \$500 to a level that would assure the coverage of full tuition and all music fees. Contact the Department of Music offices by email at [music@presby.edu](mailto:music@presby.edu) or by calling 864.833.8470.

**Southeastern, Dillard-Elliott, Belk, and Highlander Scholarships:** Students earning high academic achievement will be considered for scholarships ranging from \$5,000 to \$16,000. Admissions application must be completed by February 1.

**Leadership Scholarships:** PC offers numerous scholarships for demonstrated leadership abilities and promise ranging in value from \$500 to \$10,000. Admissions application must be completed by February 1.

**Minority Leadership Scholarship:** Five students will be selected each year for outstanding extracurricular and leadership accomplishments. Admissions application must be completed by February 1.

**Boys State and Girls State Scholarships:** PC also offers a limited number of awards to attendees of Boys and Girls State valued at \$3,000 each. Admissions application must be completed by February 1.

PC will match state-sponsored merit scholarships in the form of gift aid (up to the amount of \$3,000). However, some of these may be replaced with a higher-value scholarship.

**Important note:** *These scholarships are usually packaged along with other types of financial aid and may only be a part of the total financial aid award. Please contact the admissions or financial aid office for more information about these scholarships or about other*

*types of available aid. Each of these awards applies to the undergraduate program only and does not apply to the School of Pharmacy.*

All merit-based scholarships are awarded based on a student's re-calculated GPA using only core academic courses taken in high school.

**ROTC Scholarships:** There are several different types of scholarships available. Army ROTC Scholarships include full tuition, fees, a book allowance, and a monthly living allowance. Students also receive room and board from PC as an incentive for winning an ROTC scholarship.

High school seniors applying to PC may compete for four-year, merit-based scholarships. Candidates interested in a four-year scholarship must apply prior to December of their senior year of high school. Applicants can receive assistance from the Department of Military Science in submitting applications.

First year students at PC may apply for four-, three and a half-, and three-year scholarships. Sophomores may apply to attend the Leadership Training Course at Fort Knox, Kentucky, where they may win a two-year scholarship. Similar opportunities may also exist for juniors and select seniors.

All applicants must meet minimum standards in SAT/ACT scores, GPA, physical fitness, and be medically qualified by the U.S. Army. More information may be obtained by contacting the Department of Military Science at 864.833.8583.

## **Endowed Scholarships**

Presbyterian College holds in its endowment over 500 scholarship funds. These scholarships have been

established by alumni, churches, foundations, corporations, parents, and friends of the College. They often carry the name of the donor or the name of someone whom the donor wishes to honor.

Donors of endowed scholarships have designated the qualifications that students must have in order to become recipients of the scholarships. Designations include: students with financial need, students demonstrating outstanding academic ability, students studying in specific disciplines, student athletes, and students from specific geographical areas or specific local churches. Endowed scholarships are administered through the Office of Financial Aid.

The College's official listing of endowed scholarships appears in the brochure "Champions of Enlightenment." For a copy of the brochure, contact the Office of College Advancement.

## Other Institutional Programs

### Athletic Scholarships

Athletic scholarships are available for men in baseball, basketball, cross-country, football, golf, lacrosse, soccer, and tennis. Women may receive scholarships in basketball, cross-country, lacrosse, soccer, softball, tennis, and volleyball.

### PC Fellows

This scholarship and recognition program honors young men and women who, after the first semester of their junior year in high school, have the highest cumulative averages for the previous 2 1/2 years of academic work.

PC Fellows who enroll are awarded \$500 per year.

### Church Vocation Grants

Financial awards are designated for students preparing for full-time Christian service as ministers or directors of Christian education in any evangelical denomination.

These grants are based on merit and need. The applicant must submit a letter showing declaration has been made to the local church, minister, or appropriate church court of the intention to enter a full-time church vocation.

### Child of Church Professional

The College remits annually the sum of \$1,000 to the sons and daughters of active ministers and certified church workers of the Presbyterian Church (USA).

### Church Scholarship Grant

Each entering PCUSA student receives a \$1,000 per year grant.

### Church Scholarships

These scholarships have been established by Presbyterian churches for the benefit of students from their congregations.

### Presbyterian College Grants

The scholarship committee awards other grants to students who qualify due to need or outstanding achievements. Awards are renewable, provided satisfactory progress is maintained.

### Campus Work Opportunities

Many work opportunities are available on campus through which a student may earn funds toward meeting expenses. Jobs include work in the dining hall, library, administrative offices, faculty departments, health center, student center, maintenance, as well as positions as residence counselors and receptionists.

Priority for work opportunities will be given to students having financial need.

## South Carolina Programs

### SC Tuition Grants

Grants ranging to \$3,150 per year for up to four years may be awarded to qualified legal residents of South Carolina attending Presbyterian College.

Awards are based on financial need as determined by the South Carolina Tuition Grants Agency. Students must successfully complete at least 24 semester hours and continue to have financial need to be eligible for renewal each year.

Application is made through the FAFSA and should be completed by June 30.

### SC Teacher Loan

Students who express an intention to teach may be eligible for a South Carolina Teacher Loan to assist them in financing their college education. The College financial aid office can supply details of this special program designed to attract high-quality students into a career of teaching.

### Palmetto Fellows

Eligible students must have a 3.5 GPA, 1200 SAT, and ranking in the top 6 percent of high school class in order to be considered for this \$6,700 scholarship. Students can apply through their high school guidance office. Students must maintain a 3.0 GPA and earn 30 hours per academic year (fall, spring, and summer terms) in order to remain eligible.

### Palmetto Fellows Enhancement

Recipients with at least 30 hours and who, as a freshman, earned 14 hours math and/or science and who are math and science majors will receive an additional amount of up to \$3,300 for a maximum of \$10,000.

Palmetto Fellows with at least 30 hours but who do not meet the conditions above will receive an additional amount of up to \$800 for a maximum of \$7,500.

Entering freshmen, regardless of major, will receive a maximum of \$6,700.

### Palmetto LIFE Scholarship

Eligible South Carolina residents must meet two of the three criteria in order to receive this \$5,000 scholarship: 3.0 GPA on the State Uniform



Grading Scale, 1100 SAT or 24 ACT composite score, or top 30-percent ranking of high school class. Students can gain eligibility at Presbyterian College with an average of 30 hours per academic year (fall, spring, and summer terms) and a 3.0 cumulative (collegiate) GPA. To maintain eligibility, a PC student must maintain a 3.0 collegiate GPA and an average of 30 earned hours per academic year (fall, spring, and summer terms). Eligibility for entering freshmen is based on the final high school transcript.

### **LIFE Scholarship Enhancement**

Recipients with over 30 hours and who, as a freshman, earned 14 hours math and/or science and who are math and science majors will receive an additional amount of up to \$2,500 for a maximum of \$7,500.

Entering freshmen, regardless of major, and upperclassmen who do not meet the above conditions, will receive a maximum award of \$5,000.

In addition to defining eligible majors, individual courses must be identified that meet the 14 hours of math and/or science during the freshman year requirement. Please note that current interpretation of the new legislation precludes students from ever becoming eligible for the enhancements if the 14-hour requirement is not met by the end of the freshman year. AP credits and dual enrollment courses (college courses taken while in high school) can satisfy the 14-hour rule.

Entering freshmen for Fall 2008 should be prepared to meet the requirements prior to the fall of 2009.

### **SC Hope Scholarship**

Students who do not qualify for a LIFE scholarship may be eligible for a SC Hope Scholarship. To be eligible for this one-time grant of \$2,800, the student must have a 3.0 GPA and be a SC resident at the time of high school graduation and college enrollment. A student who receives the Hope Scholarship can still be awarded a LIFE Scholarship later if he/she meets the requirements.

## **Federal Programs of Student Assistance**

### **Pell Grants**

Awards ranging up to \$5,350 per year (determined by a standard needs analysis formula) may be awarded to eligible students. These grants are based on an individual's enrollment status and may be paid for full-time, three-quarter time, and half-time attendance.

An application must be submitted each year (FAFSA). Awards are renewable, provided the student maintains satisfactory progress and continues to have financial need as determined by the U. S. Department of Education.

The Pell Grant is an entitlement program. No repayment is required unless a refund is due as a result of enrollment changes or withdrawal from studies.

### **Federal Supplemental Educational Opportunity Grant**

Awards are made to students of exceptional financial need who, without the grant, would be unable to continue their education. Awards range from \$100 to \$4,000 per year, depending on need and available funds.

Determination is made by the College and based upon the results of the FAFSA. For renewal, students must maintain satisfactory progress and continue to have exceptional financial need.

### **Federal Stafford Loan**

Loan amounts range from \$3,500 per year to eligible freshmen, \$4,500 for sophomores, \$5,500 per year to juniors and seniors (class status is determined by hours and CEPs completed) through the Federal Stafford Loan Program. For the subsidized, or need-based, Federal Stafford Loan, payments of principal and interest (currently at 5.6 percent) are deferred until the student is no longer enrolled on at least a half-time

basis. Renewal is based on continuing need.

Additional unsubsidized, or non-need, Federal Stafford Loan is also available, up to \$2,000. Additional information is available at the student aid office or [www.presby.edu](http://www.presby.edu).

### **Federal Parent Loan for Undergraduate Student**

This program, known as PLUS, is a federal loan program that allows parents to borrow up to the cost of attendance per academic year. It is not based upon need. Repayment begins 60 days after disbursement and may be extended up to ten years. The interest rate is fixed (currently 8.5 percent).

### **Federal College Work Study Program**

The work study program provides jobs for students with established financial need who must earn a part of their educational expenses. Payments are made to the student by check each month.

The Supplemental Education Opportunity Grant, Perkins Loan, and the College Work Study Program are federal programs administered by the College. Recipients are selected by the director of student aid based on need and available funds. Students having the greatest need will receive priority for the awards.

The College must amend or adjust awards based on financial need should the student receive awards, long-term loans, or work that causes established need to be exceeded.

### **ROTC Scholarships**

There are many different types of scholarships available on campus. Army ROTC scholarships include full tuition, fees, a book allowance, and a monthly living allowance. Students also receive room and board from PC as an incentive for winning a ROTC Scholarship. A complete listing may be obtained by contacting the Department of Military Science.

Candidates interested in a four-year ROTC scholarship must apply prior to November of their senior year

in high school. Applicants can receive assistance from the Department of Military Science in submitting four-year applications.

### **Veteran Benefits**

Certain armed service veterans and dependents who qualify under federal laws, administered by the US Department of Veterans Affairs, are eligible to receive educational benefits. Information about these programs may be obtained by writing the state or county Veterans Administration office or the PC aid office.

## **Other Sources of Financial Assistance**

### **Other State Grants**

Out-of-state students should check with local state agencies to find out the availability of their grant programs.

### **Vocational Rehabilitation Scholarships**

Individuals with physical disabilities classified as vocational handicaps may receive financial aid from state departments of vocational rehabilitation. Detailed information is available through the departments of vocational rehabilitation in the student's home state.

### **Aid in the Local Community**

Students are encouraged to seek out and apply for scholarships, loans, and work opportunities other than those available through the College, state, and federal funds. Suggested sources of aid to be explored — but not limited to — are the following: civic clubs, bank trust departments, churches, professional organizations, veterans groups, high school guidance office, family employer, foundations, and community employment.

## **Courses of Instruction**

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<b>Economics &amp; Business Administration</b>	<b>62</b>
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# COURSES OF INSTRUCTION

Unless specified otherwise, the following courses are offered annually. They are numbered to indicate the level at which they are offered. Those intended primarily for freshman have numbers ranging from 100 to 199; for sophomores, 200 to 299; for juniors, 300 to 399; for seniors 400 to 499. Some departments use these ranges to signify area topics or chronological topics. An academic advisor will assist the student in the selection process.

# AFRICANA STUDIES

Professor Charles E. McKelvey, Director

Professor T. Booker Ingram

Professor Peter H. Hobbie

Professor Anita O. Gustafson

## Requirements for the Minor in Africana Studies

A student who wants to minor in Africana studies must select 18 hours from the following courses:

ENGL 319; HIST 382; AFST 201; MUSE 298; PLSC 301; PSYC/SOC 312; RELG/HIST 356; SOC/PLSC 370; SOC 362, 364, or 366; and AFST 458.

## Africana Studies (AFST)

### **AFST 201. Introduction to Africana Studies (3)**

An interdisciplinary survey of African and Africana religion, culture, science, literature, philosophy, politics, economy, and protest.

### **MUSE 298. Student Fellowship Choir (0.5)**

Laboratory for the study and performance of traditional and contemporary African-American music. Open each semester to all students.

### **PLSC 301. African-Americans and the Political System (3)**

An overview of the African-American struggle for social, political, and legal rights; of the constraints upon the achievement of these rights; and of the major political actors involved in this struggle. Special emphasis will be given to key court decisions, legislation, and political movements affecting African-American rights and to major electoral breakthroughs in promoting African-American political empowerment. (*Alternate years*)

### **PSYC/SOC 312. Social Psychology (3)**

(Prereq: PSYC 201 or SOC 201) A study of the relation of the individual to the social group. Topics include conformity, obedience, attitudes and persuasion, aggression, prejudice, and attraction.

### **ENGL 319. American Identities (3)**

A survey of works that address the multiple meaning and uses of the term "American" as applied to (or kept from) individuals and groups throughout the history of the United States. Focusing on what it has meant historically to be (or not to be) an American, this course will explore how groups of Americans have experienced life within this country's borders differently given their particular racial, ethnic, class, gender, and sexual identities. (*Alternate years*)

### **RELG/HIST 356. The African-American Religious Experience (3)**

An examination of the African-American contribution to the religious life of the American people from the period of slavery to the present. Particular emphasis on the relationship of African-American religion to American history and culture.

### **SOC 362. Social Inequality (3)**

(Prereq: SOC 201 or consent of instructor) Examination of social inequality in American society from a sociological perspective. Topics include class divisions, unequal access to goods and services, means utilized to maintain social inequality and the dynamics of gender inequality. (*Alternate years*)

### **SOC 364. Race and Ethnic Relations (3)**

(Prereq: SOC 201 or consent of the instructor) An examination of sociological perspectives on majority-minority relations and of the histories and cultures of particular racial and ethnic groups in the United States, including Afro-Americans, Native Americans, Mexican-Americans, Puerto Ricans, Chinese-Americans and Japanese-Americans. (*Alternate years*)

### **SOC 366. Social Movements (3)**

(Prereq: SOC 201 or consent of instructor) A study of the general characteristics of social movements. Two or more particular movements such as the African-American movement, Third World national liberation movements, the women's movement, and the ecology movement will be discussed. (*Alternate years*)

### **PLSC/SOC 370. Third World Underdevelopment and Politics (3)**

(Prereq: PLSC 201 or SOC 201) An examination of the political, economic, and social factors that have led to the present state of underdevelopment in the Third World. Social scientific theories of underdevelopment and the role of the political system in the process of development are analyzed. The particular cases of Central America and East Africa are examined.

**AFST458. Special Topics** See page 24.

# ART

Associate Professor Ralph Paquin, Chair  
Professor Mark R. Anderson  
Associate Professor Laura J. Crary

## Requirements for the Major and Minor in Art

A major in art requires 45 semester hours: six hours in art history (ART 251 and 255); six hours chosen from the following: ART 322, 352, 353, 354, 355, and ART 300; ART 110-111, 120-121, 122-123, 391, 392, 491, and 492; twelve hours of studio art selected from: ART 220-221, 230-231, 232-233, 240-241, 242-243, 244-245, 260-261, 262-263, 270-271, 272-273, 310-311, and 336-337.

The major in art with an art history emphasis requires a total of 45 semester hours to include ART 110, 111, 120, 121, 122, 123, 251, 255, 391, 392, 491, and 492 and 18 hours chosen from ART 256, 257, 352, 353, 354, 355, 458, 300, or PHIL 322.

The minor in art requires 18 hours: 3 hours of basic drawing (ART 110-111); 6 hours in design (ART 120-121 and 122-123); 6 hours selected from ART 251, 255, 352, 353, 354, 355, or ART 300; and 3 additional hours of elective credit in art.

The minor in art history requires a total of 18 semester hours to include ART 251 and 255 and 4 additional art history courses chosen from ART 256, 257, 352, 353, 354, 355, 458, or ART 300.

## Art (ART)

The Department reserves the right to retain at least one example of a student's work for its permanent exhibitions, with student's approval.

### 101. Art Appreciation (3)

An introduction to the arts of painting, sculpture and architecture. As a general survey course, emphasis is placed both on the development of an informed art vocabulary and on the exercise of those perceptual and cognitive skills which enhance aesthetic experiences in the arts. (Lectures, slide presentation, field trips and creative applications.)

### 110. Basic Drawing (2)

(Coreq: ART 111) A foundation course that explores various approaches to a range of drawing problems from landscape and still-life to human anatomy, from rendering to non-objective abstraction. A variety of wet and dry media is employed in a series of projects and exercises designed to enhance both eye-hand coordination and perceptual acuity. No previous

drawing experiences are required. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (*Studio applications and field trips.*)

### 111. Basic Drawing Studio (1)

(Prereq/Coreq: ART 110) An independent studio experience in drawing. Each student will create a series of projects based on the concepts presented in ART 110. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.

### 120. Basic 2-D Design (2)

(Coreq: ART 121) A foundation course surveying the elements and principles of visual organization in two-dimensional art. Perceptual and conceptual skills are enhanced through a series of experimental studio projects focused on composition and color theory. No previous design experiences are required. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (*Lectures and studio applications.*)

### 121. Basic 2-D Design Studio (1)

(Prereq/Coreq: ART 120) An independent studio experience in 2-D design. Each student will create a series of projects based on the concepts presented in ART 120. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.

### 122. 3-D Design (3)

A foundations course surveying materials, concepts, and principles of visual structure/organization in the dimensional world. Through a series of problem solving projects, readings, and class discussion, students will gain insight into the basic language of three dimensional design. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.

### 123. 3-D Design Studio (1)

(Prereq/Coreq: ART 122) An independent studio experience in 3-D design. Each student will create a series of projects based on the concepts presented in ART 122.

**220. Graphic Design (2)**

(Prereq: ART 110 and 120 or consent of instructor; coreq: ART 221) Introduction to the foundational elements that make up good design. Special emphasis given to the creative process of visual problem solving using thumbnails, roughs, and finals. An historical overview of graphic design to provide an adequate context for student projects. All work will be done by hand to provide a strong understanding of design before technology skills are added. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Lectures, field trips, and studio applications.)

**221. Graphic Design Studio (1)**

(Prereq/Coreq: ART 220) An independent studio experience in graphic design. Each student will create a series of projects based on the concepts presented in ART 220. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.

**230. Painting I (2)**

(Prereq: ART 110 and 120 or consent of instructor; coreq: ART 231) An introduction to the theory and practice of painting in oils; stressing color and surface in response to direct visual observations. This course covers a range of materials and technical skills that are presented with frequent reference to the broader history of painting. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Demonstration, painting on location in the landscape and studio application.)

**231. Painting I Studio (1)**

(Prereq/Coreq: ART 230) An independent studio experience in oil painting. Each student will create a series of projects based on the concepts presented in ART 230. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.

**232. Watercolor (2)**

(Prereq: ART 110 and 120 or consent of instructor; coreq: ART 233) An introduction to the materials and techniques common to the practice of painting in transparent watercolors. A series of works on paper will be created while exploring the fundamental nature of the materials. (Demonstrations, painting on location in the landscape, and studio application.) (*Alternate years*)

**233. Watercolor Studio (1)**

(Prereq/Coreq: ART 232) An independent studio experience in watercolor. Each student will create a series of projects based on the concepts presented in ART 232. (*Alternate years in conjunction with ART 232*)

**234. Landscape Painting (2)**

(Prereq: ART 110 and 120 or consent of instructor; coreq: ART 235) An applied study of landscape painting in a variety of media with numerous references to the history of the subject. (Demonstration, painting on location in the landscape and studio applications. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.

**235. Landscape Painting Studio (1)**

(Prereq/Coreq: ART 234) An independent studio experience in landscape painting. Each student will create a series of projects based on the concepts presented in ART 234. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.

**240. Sculpture (2)**

(Prereq: ART 110 and 120 or consent of instructor; coreq: ART 241) A study of both additive and subtractive approaches to sculptural representation in the context of art history and executed in a variety of media such as clay, stone, plaster, metals, wood and glass. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Demonstrations

and studio applications.) (*Alternate years*)

**241. Sculpture Studio (1)**

(Prereq/Coreq: ART 240) An independent studio experience in Sculpture. Each student will create a series of projects based on the concepts presented in ART 240. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (*Alternate years*)

**242. Ceramics I (2)**

(Coreq: ART 243) An exploration of basic ceramic processes such as hand building, wheel throwing, glazing and firing, with a focus on three dimensional design and the history of ceramic forms. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (*Alternate years*)

**243. Ceramics I Studio (1)**

(Prereq/Coreq: ART 242) An independent studio experience in ceramics. Each student will create a series of projects based on the concepts presented in ART 242. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.

**244. Ceramics II (2)**

(Prereq: ART 122 or 242; coreq: ART 245) This art course explores basic principles and techniques of functional and nonfunctional ceramics while prioritizing a more profound development of personal imageries. Subjects included are: (1) glaze formulation, (2) slab, coil and thrown form construction, (3) basic kiln firing, and (4) contemporary ceramic history. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.

**245. Ceramics II Studio (1)**

(Prereq: ART 122 or 242; coreq: ART 244) An extended independent studio experience in Ceramics I. Each



student will create projects based on concepts addressed in ART 244. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.

### **251. Art History Survey I (3)**

The art of the Western world from its earliest known examples in caves of France and Spain up to the beginning Renaissance ideals in art and architecture of Western Europe, with a brief view of some of the arts of the Islamic world created during that same era. Examines the way that the visual arts and architecture gives expression to a culture values and ideas about life, death and spirituality. (Fall)

### **255. Art History Survey II (3)**

This course surveys the art of Western Europe and the Americas from the Renaissance through the 20th century. Particular attention paid to change in social and cultural institutions leading to the development of modernism. (Spring)

### **256. Topics in Latin American Art (3)**

A survey of the art of one region or country in Latin America, such as Mesoamerican art, art of the Caribbean, South American art, Mexican art, or Brazilian art. (Alternate years in rotation with ART 257)

### **257. History of Women in Art (3)**

A survey of women's art production in Western Europe and the United States from 15<sup>th</sup> century to present. (Alternate years in rotation with ART 256)

### **258. Special Topics (1-6).** See page 24.

### **260. Printmaking I (2)**

(Prereq: ART 110 and 120 or consent of instructor; coreq: ART 261) An introduction to the techniques of relief and intaglio printing processes such as woodcut, linocut, etching, aquatint and drypoint. A materials fee is assessed for this course, in addition

to necessary art supplies purchased by individual students. (Demonstrations and studio applications.) (Alternate years)

### **261. Printmaking I Studio (1)**

(Prereq/Coreq: ART 260) An independent studio experience in relief and intaglio printmaking. Each student will create a series of projects based on the concepts presented in ART 260. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Alternate years)

### **262. Printmaking II: Screenprinting (2)**

(Prereq: ART 110 and 120 or consent of the instructor; coreq: ART 263) An introduction to the techniques and processes of screenprinting with an emphasis on fine arts applications. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Demonstrations and studio applications.) (Alternate years)

### **263. Printmaking II: Screenprinting Studio (1)**

(Prereq/Coreq: ART 262) An independent studio experience in screen printing. Each student will create a series of projects based on the concepts presented in ART 262. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Alternate years)

### **270. Photography I (2)**

(Prereq: ART 120 or consent of the instructor; coreq: ART 271) An introductory experience in black and white photographic theory and practice, this course is designed to explore the creative use of the camera and cover the technical aspects of film developing, printing, and mounting, while surveying the history of photography. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Slide lectures, demonstrations and studio applications.) (Alternate years)

### **271. Photography I Studio (1)**

(Prereq/Coreq: ART 270) An independent studio experience in black and white photography. Each student will create a series of projects based on the concepts presented in ART 270. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Alternate years)

### **272. Photography II (2)**

(Prereq: ART 270; coreq: ART 273) This second course in photography will focus on advanced black and white print photography, color photography, and photo editing. Through a series of projects involving the camera, darkroom, and computer technology, the student will seek to create significant works of art while simultaneously learning the more sophisticated processes of advanced photography. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.

### **273. Photography II Studio (1)**

(Coreq: ART 272) An independent studio experience in advanced photography. Each student will create a series of projects based on the concepts presented in ART 272. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.

### **280. Art for the Child (3)**

A study of the child's creative growth in arts and crafts. Designed to help the classroom teacher develop the creative skills that enhance instruction in all content areas while facilitating a quality art program within the broader context of a general classroom environment. This class is limited to majors in Early Childhood Education, Christian Education, and Art. Other students may contact the art department with a request to be enrolled on appeal. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Lectures and studio applications.)

**282. School Art (3)**

(Prereq: ART 110 and 120 or consent of the instructor) An exploration of the methods and materials common to the teaching of art on levels K-12. (Lectures and studio applications.) (*Alternate years*)

**291. The Expressive Process: The Open Studio (3)**

This class will explore a selection of expressive art practices commonly used to enhance personal development, creativity, and spiritual experience. It will address the devotional and developmental uses of art by people seeking an enhanced practice of creativity, personal vocation, and social engagement. This course combines historical, theoretical, and experiential learning in an applied studio format with supplemental lecture, film, and assigned text presentation. By participation in expressive arts activities and reflecting on the products and processes, students will have an opportunity to learn how studio art practice can help a person achieve improved awareness of self and others, develop and enhanced sense of personal responsibility and self efficacy, while learning to more effectively deal with setbacks, disappointments, or confusing experiences, overcome creative blocks, and more consciously engage the process of personal growth and development. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.

**292 Expressive Process: Art Therapy (3)**

This class will introduce students to concepts of art therapy in the broader context of the expressive tradition. It will address the therapeutic and developmental uses of the art by people who experience illness, trauma, or challenges in living, as well as by people without trauma or psychopathology who seek personal development and enhanced psychological and social well being. This course combines theoretical and experiential learning in lecture and studio formats. By participating in expressive arts

activities and reflecting on the products and processes, students will have the opportunity to learn how studio art practice can help a person achieve improved awareness of self and others, cope with symptoms of stress, more effectively deal with the aftereffects of traumatic experiences, and more consciously engage in the process of personal growth and development. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.

**300. Media and Society (3)**

(Prereq: ENGL 110-111 or equivalent and consent of instructor) A course dealing with media history, uses, and values. It will consider such media as newspapers, magazines, radio, television, recordings, motion pictures, theatre, music, and the arts in regard to how they affect society and the individual. Students will investigate these media and the social, economic, and historical milieu from which they emerge as well as the aesthetic and ethical values attributed to them. The course will use non-traditional approaches to the subject matter, and active participation by the students will be an essential element of the course. Enrollment limited. Students will be selected by GPA and faculty interview.

**307. 3D Modeling and Animation (4)**

(Prereq: CSC 201 or 241; crosslisted with CSC 307) This course explores concepts and methodologies for creating and exploring 3D graphics and animation. This class will introduce fundamental 3D theories and principles of computer modeling and animation. The class will also explore the history, development, and theories behind modeling and animation. Essential concepts will be made concrete through a major term-long team project in which student teams will develop their own 3D models that are then used in a short animation.

**308. Graphics Programming and Animation (3)**

(Prereq: CSC 241; crosslisted with CSC 308) This course introduces the student to programming that draws 2D or 3D images on the screen. In particular, we will study graphics packages that enable interactive drawing and animation in 2D and 3D spaces. (*Alternate years*)

**310. Life Drawing (2)**

(Prereq: ART 110 and 120 or consent of the instructor; coreq: ART 311) An extensive study of artistic anatomy and the expressive potential of the human form. Drawing from the model and skeleton with a wide array of drawing and painting media. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Lecture/demonstrations and studio applications.) (*Alternate years*)

**311. Life Drawing Studio (1)**

(Prereq/Coreq: ART 310) An independent studio experience in life drawing. Each student will create a series of projects based on the concepts presented in ART 310. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (*Alternate years*)

**320-321. Graphic Design II and Studio (3)**

This course offers advanced practices in visual communications with a greater emphasis on the final stage of the creative problem solving method. The course focuses especially on the design studio use of information technology. An historical overview of graphic design addresses the evolving communication needs of major professions in a wide variety of mediums.

**322. Aesthetics (3)**

(Crosslisted with PHIL 322 and THEA 322) A consideration of beauty and what various philosophers (such as Plato, Aristotle, Hume and Kant) have had to say about it. The class will also consider arts forms, such as painting, sculpture, poetry, music

and photography to appreciate the presence or absence of beauty therein.

### **336. Advanced Painting (2)**

(Prereq: ART 230, 232 or 234; coreq: ART 337) An exploration of the form/content relationship in the practice of painting in a variety of media; this course stresses the synthetic integration of painterly concerns through the creation of a suite of related paintings. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Studio applications, videotape and slide lectures.)

### **337. Advanced Painting Studio (1)**

(Prereq/Coreq: ART 336) An advanced independent studio experience in painting. Each student will create a series of projects based on the concepts addressed in ART 336. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.

### **352. Renaissance and Baroque Art History (3)**

(Prereq: ART 251 and 255) A survey of art and architecture created in Western Europe between 1400 and 1700 AD. Of particular interest are the roles played by the Reformation and Counter-Reformation on the art production. (*Alternate years*)

### **353. Romantic and Early Modern Art History (3)**

(Prereq: ART 251 and 255) This survey of art and architecture created in Western Europe and the Americas in the period of 1700-1871. The development of the independent gallery system and the role of art academies, leading to modernism movement in the 19th century are emphasized. (Lectures, slide presentations, field trips.) (*Alternate years*)

### **354. Late Modern and Contemporary Art History (3)**

(Prereq: ART 251 and 255) A survey of the art and architecture created in

Western Europe and America during the late 19th and through the 20th century. Major modernist movements and avant-garde styles are discussed in depth (*Alternate years*)

### **355. Modern Art Theory and Criticism (3)**

(Prereq: ART 101 or 255 or consent of instructor) An examination of the writings of artists and critics of the late 19th and 20th centuries whose works construct the history of modernism in the arts. (*Alternate years*)

### **370. Photographic Arts (3)**

(Prereq: ART 270 and 272) A project-directed course designed to allow the student maximum freedom to define and develop directions in personal artistic growth through the medium of photography. Alternative methods and materials such as pinhole photograph and medium format images will be explored.

### **371. Web Design (3)**

(Prereq: ART 320 and 321) A course to introduce students to the basics of web site development. Web Design will introduce students to concepts meant to enhance their critical thinking, analytical, conceptual, and design communication skills. Instruction will be delivered through lectures, demonstrations, and the hands-on manipulation of computers and software.

### **391. Junior Project (3)**

In this course, students will plan, execute, present, and critique a project in studio art or art history selected in consultation with the art faculty. Studio majors will explore concepts and experiment with art methods and materials prior to the senior year when production focuses on the senior exhibit. Art history students will work on preliminary research for the senior thesis. All students will meet regularly with faculty individually and as a group for direction and feedback. Students may elect to take this course in conjunction with an internship or study abroad. Mandatory field trips taken each year to New York City

and another major urban art center. Participation required.

### **392. Junior Seminar (3)**

This is a supervised open-studio and seminar course with assigned readings and research in contemporary art and art historical methodologies. This course will build on the work done in the junior project, internship, or study abroad of the previous semester. Each studio major will produce a series of related artworks while doing graded research on an aspect of the art world. Art history students will continue to work on their thesis projects while writing regular critiques of the work produced in the studio section of the course and preparing assignments on readings. Mandatory field trips taken each year to New York City and another major urban art center. Participation required.

**398. Honors Research (3-6).** See page 22.

**442. Directed Studies (1-6).** See page 24.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

### **491. Senior Seminar (3)**

(Senior art majors only) This course aims to focus the student's development toward the final senior exhibition or thesis to be presented at the end of the year. The faculty will work with each student to develop her or his individual artistic vision or art historical position through regular individual and group critiques. Because the medium, subject, and style of the work produced will vary, the principle emphasis will be on the formal concerns and presentation of the art. These issues will be addressed in critiques, reading, and research. Studio majors will strive

to integrate ideas of concept, form, and content in the preparation of the artist statement for the final exhibit. Art history students will finalize the research and complete a draft of the final thesis. Mandatory field trips taken each year to New York City and another major urban art center. Participation required.

**492. Senior Show (3)**

(Prereq: ART 491) Studio majors will focus on the preparation of the final exhibition and the presentation of a carefully crafted artist statement. Art history students will revise and refine the thesis for presentation either in a public symposium or the Honors Research Symposium in the spring. Critique of ongoing studio work and writing will take place prior to the senior show and/or symposium. Studio majors will submit a slide portfolio or CD and art history students, a bound copy of the thesis for review by the art faculty. A formal critique will be made of all work submitted. Mandatory field trips taken each year to New York City and another major urban art center. Participation required.

# BIOLOGY

Professor James T. Wetzel, Chair  
Professor Jane P. Ellis  
Professor John C. Inman  
Professor Michael O. Rischbieter  
Professor James D. Stidham  
Professor Ronald J. C. Zimmerman  
Associate Professor Troy R. Nash  
Assistant Professor Stuart Gordon  
Instructor R. Daniel Hanks

## Requirements for the Major and Minor in Biology

All students who major in biology must take BIOL 111-111L and 112-112L. If a student has taken BIOL 101 with a grade of “B” or better before declaring the biology major, he/she must take BIOL 112-112L. If a student has taken the general biology sequence 101-101L and 102-102L from PC or its equivalent at another school before declaring the biology major, he/she must pass a qualifying examination given by the biology department. All majors must also take BIOL 198-199, 334, 399, 401, and 24 additional hours in biology. The 24 hours must include at least one course from each of the following areas plus one 3-4 hour elective chosen from any courses offered by the department (excluding internships) for a total of 39-40 hours.

**Organismal:** BIOL 201, 202, 208, or 306

**Plant Biology:** BIOL 203, 206, or 312

**Cell/Molecular:** BIOL 209, 307-307L, 308-308L or 318

**Function/Structure:** BIOL 302, 303, 304, or 311

**Evolution/Ecology:** BIOL 207, 212, 314, or 320

Biology majors must also complete the following related courses: CHEM 101-101L, 102-102L, 221-221L; PHYS 121-121L, 122-122L; and MATH 201 or 211, STAT 320, or CSC 201. Pre-professional and pre-graduate school students are strongly advised to take CHEM 222-222L.

A minor in biology consists of 19 hours in biology including BIOL 101-101L and 102-102L or 111-111L and 112-112L are required for the minor. Courses to complete the minor may be selected from any 200-, 300-, or 400-level courses (excluding BIOL 399).

## Requirements for Minor in Marine Studies

Students who minor in Marine Studies must take any combination of approved coursework or independent studies for a combination of 19 hours (11-13 hours in addition to general courses within a major). Suitable courses within the biological sciences major are: BIOL 201, 216; approved courses taken at The Gulf Coast Research Laboratory (e.g., Marine Science I; Marine Science II; 3-5 hours of advanced courses such as Marine Policy, Writing in Marine Sciences, Ichthyology, Marine Ecology, or an independent study); approved courses taken at Duke Marine Laboratory; approved transfer courses (e.g., marine courses taken at James Cook University in Australia or other PC-affiliate institutions abroad or courses from established marine programs such as the College of Charleston); marine-related Maymester courses; special studies in marine science (e.g., on-campus work such as BIOL 442, 444, 448, 452, and 458); research at a specific independent laboratory; studies at the Belle Baruch Marine Lab/Hobcaw Barony; research at the Gulf Course Research Laboratory; approved interdisciplinary coursework at PC such as CHEM 442.

## Requirements for Certification to Teach High School Biology

A student who wants to be certified to teach biology in the high school setting must meet the following requirements for the major in biology: BIOL 111-111L, 112-112L, 198-199, 201 or 202, 203, 209, 302 or 304 or 311, 314, 335, 399, 401, and electives totaling 4 hours. Students must also complete the following related courses: CHEM 101-101L, 102-102L, 221-221L; PHYS 121/121L and 122/122L; and PHYS 211. Students should complete all other courses required for teacher certification and meet the criteria for acceptance into the Teacher Education

Program. See Teacher Education and Certification on pages 27 and 65 for more information.

## Biology (BIOL)

### 101. General Biology I (3)

(Coreq: BIOL 101L) A broad introduction to fundamental principles of living organisms with four major areas studied: biomolecules, cell biology, genetics, and development. Students cannot receive credit for BIOL 101 if they have taken BIOL 111.

#### 101L. General Biology Laboratory I (1)

(One 3-hr lab weekly; coreq: BIOL 101) Laboratory course that supplements and expands on topics presented in BIOL 101. Cannot be taken separately from BIOL 101 except by consent of instructor.

### 102. General Biology II (3)

(Prereq: BIOL 101 and 101L; Coreq: BIOL 102L) A continuation of topics introduced in BIOL 101. Includes a survey of human physiology, ecology, and evolution.

#### 102L. General Biology Laboratory II (1)

(One 3-hr lab weekly; prereq: BIOL 101 and 101L; coreq: BIOL 102) Laboratory course that supplements and expands on topics presented in BIOL 102. Cannot be taken separately from BIOL 102 except by consent of instructor.

### 111. Principles of Biology I (3)

(Coreq: BIOL 111L) The first of a two-semester sequence designed for students wishing to major in biology. Emphases include scientific methodology, biochemistry, cell structure and function, genetics, and evolution.

#### 111L. Principles of Biology Laboratory I (1)

(One 3-hr lab weekly; coreq: BIOL 111) A laboratory designed to supplement course content of BIOL 111 and provide experience in contemporary research methods in the life sciences. Emphases include

research methods, biochemistry, cell structure and function, genetics, and evolution.

### 112. Principles of Biology II (3)

(Coreq: BIOL 112L; prereq: BIOL 111 or consent of instructor) The second semester of the introductory course designed for biology majors. Emphases include organismal biology, anatomy, development, physiology, and ecology.

#### 112L. Principles of Biology Laboratory II (1)

(One 3-hr lab weekly; coreq: BIOL 112) A laboratory designed to supplement course content of BIOL 112 with contemporary research methods in the life sciences. Emphases include systematics, functional morphology, physiology, and ecology.

### 198-199. Summer Readings in the Biological Sciences (0.5)

An individual study of selected biological papers and books to be completed before a biology major's senior year.

### 201. Invertebrate Zoology (4)

(3 hrs lecture, 3 hrs lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor) Studies of the principal phyla of the invertebrates emphasizing their increasing complexity of structure, physiology, ecology and evolutionary relationships.

### 202. Vertebrate Zoology (4)

(3 hrs lecture, 3 hrs lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor) Lectures deal with the taxonomy, morphology, ecology, and evolution of principal vertebrate groups. Lab treats ecology, taxonomy, population biology, identification, and morphology with emphasis on local forms. (*Alternate years*)

### 203. Introductory Botany (4)

(3 hrs lecture, 3 hrs lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor) Intensive review of phyla of plant kingdom. Morphology, physiology, reproduction, ecology and principles of classification studied in each group.

### 206. Taxonomy of Native and Economic Plants (4)

(3 hrs lecture, 3 hrs lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor) The classification and identification of common and economically important vascular plants with attention given to ecological associations of native plants in South Carolina. The cultural and economic impact of herbal and medicinal plants will be examined.

### 207. Biogeography (4)

(Prereq: BIOL 112 or BIOL 102 with consent of instructor) Biogeography is the study of distributions of organisms, both past and present. It is the science that attempts to describe the patterns and distribution of species and larger taxonomic groups. Lecture and laboratory experiences will complement each other in an effort to comprehensively explore the ideas, philosophies, procedures, and techniques involved in biogeography.

### 208. Parasitology (4)

(Prereq: BIOL 112 or BIOL 102 with consent of instructor) This course provides an in-depth study of parasitic organisms during both lecture and lab. Lecture topics will focus on parasite/host interactions, disease physiology, and current treatments. Lab exercises will introduce students to parasite morphology and histological examination of infected tissue.

### 209. Cell Biology (4)

(Prereq: BIOL 112 or BIOL 102 with consent of instructor; CHEM 102) A study of the structure and function of the eukaryotic cell that includes a review of the biological macromolecules and chemical processes of the cell. The structure and functions of cell membranes, cellular organelles, and the cytoskeleton and the processes of protein synthesis and sorting, enzyme catalysis, cell movement, the cell cycle, and intracellular signaling are included. Lab exercises will include light and electron microscopy, cell fractionation, and cell tissue culture.

#### **212. Evolution (4)**

(3 hrs lecture weekly, 3 hours lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor) The history and development of evolutionary theory from Darwinism in the 19th century to the Modern Synthesis of the 1950's to the most recent concepts and innovations. Includes references to the influence of evolutionary thought on 20th century ideas in science and humanities.

#### **215. Environmental Science (3)**

(Prereq: BIOL 102, BIOL 112, CHEM 102, or PHYS 122) Designed to show the student's relationship to and dependence on the environment and to create an awareness of environmental problems. Areas of study include concepts of ecology, population, resources, pollution, problems of world hunger, and ethics. (*Alternate years*)

#### **215L. Environmental Science Lab (1)**

(Prereq: BIOL 102, BIOL 112, CHEM 102, or PHYS 122) A laboratory experience that correlates with topics covered in BIOL 215 lecture and is designed to show the student's relationship to and dependence on the environment. Experimentation, field monitoring, field trips to selected sites, videos, and lectures will bring the student first-hand knowledge and awareness of environmental problems and solutions. This lab is a supplement to BIOL 215 and is required of a major taking BIOL 215 but optional for

nonmajors. (*Alternate years*)

#### **216. Introduction to Marine Biology and Oceanography (4)**

(Prereq: BIOL 112 or BIOL 102 with consent of instructor) A study of the biological, geological, chemical, and physical aspects of the oceans. Topics studied involve history of oceanography, geology of oceans and ocean basins, chemical and physical aspects, waves and tide, ocean currents and coastal oceanography, major marine phyla, marine algae, and marine ecology.

**258. Special Topics (1-6).** See page 24.

#### **302. Comparative Anatomy (4)**

(3 hrs lecture, 3 hrs lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor) A comparative study of vertebrate morphology. Gross and microscopic anatomy of organ systems will be examined on representatives of the major classes of vertebrates. (*Alternate years*)

#### **303. Human Anatomy and Embryology (4)**

(3 hrs lecture, 3 hrs lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor; open to juniors or seniors only) The student will gain proficiency in anatomical dissections (cat) This course concerns the functional morphology of the various organs within the human body and integrates these organ functions into systems that serve the needs of the human body for growth, maintenance and repair, and reproduction. There will be extensive use of CD-ROM programs for anatomical simulation. (*Alternate years*)

#### **304. Developmental Biology (4)**

(3 hrs lecture, 3 hrs lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor; cell biology or genetics is recommended) Suggested for junior and senior biology majors. The integrated fields of cytology, genetics, biochemistry, and anatomy culminate in the study of development. Students will examine how complex living systems result from an undifferentiated

single cell and the forces that drive such specialization. Lectures center on development at the cellular level. The laboratory is primarily concerned with experimental embryology of selected invertebrates and lower vertebrates.

#### **306. Microbiology (4)**

(3 hrs lecture, 3 hrs lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor; CHEM 102) A study of microorganisms with emphasis on bacteria. Topics include characteristics of prokaryotes, viruses, immunology, disease, genetics, metabolism, growth, and applied and environmental microbiology. The laboratory emphasizes development of sterile techniques and provides students both basic and applied exercises.

#### **307. Biochemistry I (3)**

(Prereq: BIOL 112 or BIOL 102 with consent of instructor; CHEM 221 and 221L; CHEM 222 is strongly recommended; crosslisted with CHEM 307) An introductory course in biochemistry. Starting with an overview of the cell, the structure and function of amino acids, proteins, lipids, membranes, and carbohydrates are covered. The remainder of the course involves a detailed discussion of the bioenergetics and metabolism of carbohydrates, amino acids, lipids, and steroids. Included is a limited discussion on diseases caused by inborn errors of metabolism.

#### **307L. Biochemistry I Lab (1)**

(One 3-hr lab weekly; prereq/coreq: BIOL 112 or BIOL 102 with consent of instructor; BIOL/CHEM 307; CHEM 221 and 221L; CHEM 222 is strongly recommended; crosslisted with CHEM 307L) Experiments in amino acid and protein analysis, protein purification, membrane lipid analysis, carbohydrates and cellular metabolism. Also included are the techniques of electrophoresis, chromatography, spectrometry, and cell fractionation.

#### **308-308L. Biochemistry II (4)**

(3 hrs lecture, one 3-hr lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor; CHEM 221 and 221L; crosslisted with CHEM 308-308L) The function of enzymes, enzyme catalysis, and enzyme kinetics. Biosynthesis of nucleotides; DNA structure; the processes of replication, transcription and translation; DNA biotechnology; control of gene expression in prokaryotes and eukaryotes; viruses; and oncogenes. Laboratory exercises will include enzyme catalysis and kinetics and the techniques of recombinant DNA. (*Alternate years*)

### **310. Histology (4)**

(3 hrs lecture, 3 hrs lab weekly; prereq: BIOL101-102) Emphasis in both lecture and lab on structure of the various cell types and their relationship in formation of tissues and organs of the vertebrate body. Some function included as it relates to and complements structure. (*Alternate years*)

### **311. Physiology (4)**

(3 hrs lecture, 3 hrs lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor; CHEM 102; one year of organic chemistry and one year of physics are strongly recommended) A study of the basic functional phenomena of living organisms from unicellular through multicellular animals emphasizing the comparative approach. The laboratory portion includes studies of the following: osmotic phenomena, ionic effects, small animal metabolism, hormones, circulation, respiration, and muscle physiology.

### **312. Plant Physiology (4)**

(3 hrs lecture, 3 hrs lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor; CHEM 102; one year of organic chemistry is recommended) This course is designed as an introduction into how plant cells function from seed germination to vegetative growth, maturation, and flowering. Topics include: water relationships, plant

biochemistry, development, and environmental physiology. The laboratory portion includes studies of transpiration, plant mineral requirements, plant development, tissue culture, photosynthesis, and enzyme activity.

### **314. Ecology (4)**

(3 hrs lecture, 3 hrs lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor) A study of the interrelationships of plants and animals in their physical and biological environments. Structure and dynamics of the major ecosystems, with emphasis on individual behavior, populations and communities. Lab and field work includes studies of natural and polluted systems. (*Alternate years*)

### **318. Immunology (4)**

(Prereq: BIOL 112 or BIOL 102 with consent of instructor) Suggested for junior and senior biology majors. A study of the principles of immunology. Lecture topics include organs, cells, and pathways of the immune response, antigens, antibodies, immune specificity, humoral and cellular immunity, development, activation and regulation of the immune response, and immune disorders. Laboratory exercises include identification of the components of the immune system, antibody/antigen interactions, immunoassays, and mitogenic responses. (*Alternate years*)

### **320. Paleontology (4)**

(Prereq: BIOL 112 or BIOL 102 with consent of instructor) This course provides an in-depth introduction to the principles of paleontology. Lecture topics include models in paleontology, taphonomy, systematics and classification, morphology, paleoecology, evolution and extinction, paleobiogeography, biostratigraphy, milestone in the history of life, diversity of Phanerozoic Life, and use of index fossils in rock correlation. Laboratory exercises include fossil preservation, diversity of ancient life, ontogenetic

variation, morphologic parameters and their uses, species recognition and evolution, microfossils, evolutionary patterns, and biostratigraphy as well as a survey of the major groups of fossil organisms.

### **334. Genetics (4)**

(3 hrs lecture, 3 hrs lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor; CHEM 102) A survey of mechanisms and theories of heredity and variation with examples from a group of plants and animals, including humans. The nature of the gene and its expressions are stressed in study of principles of Mendelian inheritance, linkage, mutation, development, molecular genetics, behavior, and population genetics. Lab work includes techniques and analysis of studies in experimental crosses, cytogenetics, and molecular genetics, including protein and DNA electrophoresis.

### **335. Human Genetics (3)**

(Prereq: BIOL 334 or consent of the instructor) The course is designed to introduce students who are interested in future healthcare professions to the specific effects of genetic variation on human biology primarily in settings where clinical problems arise due to mutation. Basic genetics is prerequisite to this course. It is the intent of the course to increase both personal and professional awareness of the role and impact of genetics in healthcare. The course will review basic genetic principles; present the molecular aspects of genetic mutations; discuss classic and non-traditional inheritance; the significance of family history and pedigree analysis; genetic testing; and the ethical, legal, and social implications of the science. Emphasis is on what, why, and how to use genetic information in the healthcare professions.

**398. Honors Research (3-6)** See page 24.

**399. Scientific Writing & Presentation (2)**



(Required of all junior majors) A course designed to familiarize the student with the library resources and techniques for conducting a literature search of a scientific topic. Students will receive instruction on the style and mechanics of writing a scientific review article and presenting a short seminar.

**401. Senior Seminar (2)**

(Required of all senior majors; prereq: BIOL 399 or consent of instructor) Each student gains an in-depth knowledge of a selected current topic in biology by conducting an exhaustive search of the literature, giving an oral presentation of the results of this research, and preparing a written paper in acceptable scientific form. Instructions in each phase of study or presentation are given by the biology faculty. Majors will take the Graduate Record Advanced test in biology as part of this course.

**442. Directed Studies.** See page 24.

**444. Internships.** See page 24.

All internships in biology are graded pass/fail and up to 3 hours may count toward the major.

**446. Readings.** See page 24.

**448. Research in Biology (1 to 6)** See page 24.  
(Open to junior or senior biology

major with GPA of 2.5 or better with permission) Independent research in one of several areas utilizing different approaches—a lab study on-campus or off-campus studies at a biological field station or marine science lab. Students may take three-six hours during one or two semesters. Research hours cannot be terminal hours for the major.

**450. Seminar.** See page 24.

**452. Special Projects (1-6).** See page 24.

(Open to students with at least 28 hours credit with 2.25 GPA with permission of department and dean) Special course projects on demand to include predominantly off-campus offerings that will necessitate students being away from campus part of time — may be graded on regular basis.

**458. Special Topics (1-6).** See page 24.

May include field studies during the May term to give students an opportunity to study plants and animals in a variety of different habitats: overseas and local field studies; terrestrial and marine environmental study on islands such as Puerto Rico, the Virgin Islands, the Galapagos of Ecuador, etc.; fish and wildlife refuges in the eastern U. S.; or paleobiological and ecological studies of the Great Plains and the desert Southwest.

**Marine Studies**

In today's competitive world, students seek education not only for self-enrichment, but also for career enhancement. Marine studies can fulfill both needs. The Department of Biology offers courses in marine science, invertebrate zoology, vertebrate zoology and ecology. These courses allow the students to have hands-on experiences during field trips to the coasts of South Carolina, North Carolina, and the Florida Keys. The Department of Biology offers marine biology experiences in such diverse habitats as the Virgin Islands, Puerto Rico, and the Galapagos Islands located 600 miles off the West Coast of South America.

The Department of Biology also has affiliations with the Gulf Coast Research Laboratory at Ocean Springs, Mississippi; Duke University Marine Lab in Beaufort, North Carolina; and the Bermuda Institute of Ocean Sciences. Students may enroll in any of the 33 marine courses offered at these labs for full academic credit at Presbyterian College. During summer sessions, students have opportunities to conduct independent studies, engage in research, or undertake special projects at these facilities. Presbyterian College also offers a minor in Marine Studies. Courses taken at these marine stations, as well as courses offered at several international marine laboratories, can be applied towards that minor.

# CHEMISTRY

Professor A. Craig Powell, Chair  
 Professor Edward M. Gouge  
 Associate Professor Latha A. Gearheart  
 Associate Professor Walter R. Ott  
 Visiting Assistant Professor Erin B. Crane

## Requirements for the Major and Minor in Chemistry

**Major in Chemistry:** Students majoring in chemistry are required to take the following courses.

Chemistry 101-101L, 102-102L, 202L, 221-221L, 222-222L, 311, 312, 380, 398 or 448, 401-401L, 402-402L, 444, 450, and one of the following courses: CHEM 307, 322, 332, 342, or 345; MATH 201, 202, and 301; PHYS 121-121 and 122-122L.

A minor in chemistry consists of 20 hours in chemistry including CHEM 101, 101L, 102, 102L, 202L, 221, 221L, 222, and 222L are required for the minor. The additional 3 semester hours must be selected from CHEM 307, 308, 311, 322, 332, 342, 345, or 401.

## Chemistry (CHEM)

### 100. Chemistry: A Human Experience (4)

(3 hrs lecture, one 3-hr lab weekly) Using common experience and issues of contemporary human life (air, water, energy sources, plastics, polymers, and nutrition) as points of departure, this course will develop fundamental chemical principles and relate those principles to personal, social, and environmental concerns. Features of this course are: liberal use of in-class demonstrations, development of a set of demonstrations that could be used in a classroom, class discussion based in part on assigned media searches, and minimization of mathematics and theory.

### 101. General Chemistry (3)

(3 hrs lecture weekly; prereq/coreq: CHEM 101L) Designed to give a thorough grounding in the fundamental principles and theories of chemistry. While stress is laid upon the class behavior of the elements, descriptive chemistry and historical perspective are not neglected.

### 101L. General Chemistry Laboratory (1)

(3 hrs lab weekly; prereq/coreq: CHEM 101) The laboratory work develops the student's lab technique, powers of observation, and ability to draw conclusions as it adds insight to the topics introduced in Chemistry 101.

### 102. General Chemistry (3)

(3 hrs lecture weekly; prereq: CHEM 101 and 101L; prereq/coreq: CHEM 102L) Continuation of the study of general chemistry with introduction of kinetics, equilibria phenomenon, and organic chemistry.

### 102L. General Chemistry Laboratory (1)

(One 3-hr lab weekly; prereq: CHEM 101 and 101L; prereq/coreq: CHEM 102) Once-a-week lab designed to emphasize concepts from CHEM 102 as well as continue the development initiated in CHEM 101L. The laboratory work consists of quantitative and qualitative studies of equilibria.

### 202L. Qualitative Analysis (1)

(One 3-hr lab weekly; prereq: CHEM 102 and 102L) A lab designed to emphasize concepts of traditional wet chemical qualitative analyses. A thorough grounding in the separation and identification of inorganic ions, both cations and anions, will be presented. Equilibria concepts will be emphasized throughout the course.

### 221. Organic Chemistry (3)

(3 hrs lecture weekly; prereq: CHEM 102 and 102L; coreq: CHEM 221L) A study of carbon-based molecules with an emphasis placed on their structure, stereochemistry, reactions, reaction mechanisms, and spectroscopy. Coverage of functional groups includes alkanes, alkenes, alkynes, alkyl halides, and alcohols. Also introduced is multi-step synthesis involving these functional groups. The foundation of structure and reactivity prepares students for understanding other related fields such as biochemistry.

**221L. Organic Chemistry Laboratory (1)**  
(one 3-hr lab weekly; prereq: CHEM 102 and 102L; coreq: CHEM 221) Students are introduced to the common organic laboratory techniques used in setting up, running, and working up reactions. Also covered are techniques involving the isolation, purification, and analysis of organic molecules. Some labs are designed to teach techniques while others are used to illustrate material covered.

**222. Organic Chemistry (3)**  
(3 hr lecture weekly; prereq: CHEM 221 and 221L) A continuation of CHEM 221 in which aromatic, conjugated, carbonyl, and amine functional groups are studied in terms of their structure, stereochemistry, reactions, and reaction mechanisms. Multi-step synthesis involving reactions covered in CHEM 221 and 222 reinforces material from CHEM 221. Time permitting, biological molecules such as carbohydrates, nucleic acids, amino acids, peptides, proteins, and lipids are discussed.

**222L. Organic Chemistry Laboratory (1)**  
(one 3-hr lab weekly; prereq: CHEM 221 and 221L; prereq/coreq: CHEM 222) A continuation of CHEM 221L where students practice their organic laboratory techniques on reactions that illustrate material covered in the lecture portion of the course. Lab concludes with students using techniques covered in CHEM 221L and 222L in identifying an unknown compound.

**258. Special Topics (1-6).** See page 24.

**307. Biochemistry I (3)**  
(Prereq: BIOL 112 or BIOL 102 with consent of instructor, CHEM 221 and 221L; CHEM 222 is strongly recommended; crosslisted with BIOL 307) An introductory course in biochemistry. Starting with an overview of the cell, the structure and function of amino acids, proteins, lipids, membranes, and carbohydrates are covered. The remainder of the course involves a detailed discussion

of the bioenergetics and metabolism of carbohydrates, amino acids, lipids, and steroids. Included is a limited discussion on diseases caused by inborn errors of metabolism.

**307L. Biochemistry I Lab (1)**  
(One 3-hr lab weekly; prereq/coreq: BIOL 112 or BIOL 102 with consent of instructor; BIOL/CHEM 307, CHEM 221 and 221L; CHEM 222 is strongly recommended; crosslisted with BIOL 307L) Experiments in amino acid and protein analysis, protein purification, membrane lipid analysis, carbohydrates and cellular metabolism. Also included are the techniques of electrophoresis, chromatography, spectrometry, and cell fractionation.

**308-308L. Biochemistry II (4)**  
(3 hrs lecture, one 3-hr lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor; CHEM 221 and 221L; crosslisted with BIOL 308-308L) The function of enzymes, enzyme catalysis, and enzyme kinetics. Biosynthesis of nucleotides; DNA structure; the processes of replication, transcription and translation; DNA biotechnology; control of gene expression in prokaryotes and eukaryotes; viruses; and oncogenes. Laboratory exercises will include enzyme catalysis and kinetics and the techniques of recombinant DNA.

**311. Quantitative Analysis (4)**  
(3 hrs lecture, one 3-hr lab weekly; prereq/coreq: CHEM 202L; MATH 201) An introduction to the theory and methods of quantitative analysis. Designed to fit the needs of chemistry majors, pre-medical students, and biology majors. Although volumetric methods are emphasized, gravimetric and instrumental methods also are utilized.

**312. Instrumental Analysis (4)**  
(3 hrs lecture, one 3-hr lab weekly; prereq: CHEM 311; prereq/coreq: PHYS 122 or 215) An introduction to instrumental analysis. Topics taken up in class and in lab normally include atomic and

molecular spectroscopy (absorption, fluorescence, phosphorescence, raman), electrochemistry (potentiometry, coulometry, voltammetry), chromatography (gas, liquid, electrophoresis) and mass spectrometry.

**322. Inorganic Chemistry (3)**  
(3 hrs lecture weekly; prereq: CHEM 222 and 222L) A survey of inorganic chemistry that includes a study of the electronic structure of atoms and the resultant periodicity of the elements; an introduction to coordination chemistry and ligand field theory; and a review of the descriptive chemistry of selected main group and first transition series elements. (*Alternate years*)

**322L. Advanced Inorganic Chemistry Laboratory (1)**  
(3 hrs lab weekly; prereq/coreq: CHEM 322; offered simultaneously with CHEM 322) The laboratory work will consist of inorganic synthetic techniques, methods of purification, and methods of characterization of inorganic compounds.

**332. Advanced Organic Chemistry (5)**  
(3 hrs lecture, two 3-hr labs weekly; prereq: CHEM 222 and 222L) A course in the identification of organic molecules by use of both chemical and physical methods. *11 pt*

**342. Spectroscopy (4)**  
(3 hrs lecture, one 3-hr lab weekly; prereq: CHEM 222 and 222L; prereq/coreq: PHYS 122 or 215) The application of spectroscopic techniques is the main focus of this course, along with the corresponding theoretical background. Course coverage includes methodologies such as infrared spectroscopy (IR), nuclear magnetic resonance spectroscopy (NMR), and mass spectrometry (MS) and how they may be employed as powerful tools in structural determination. The laboratory work will involve the student using these instruments to elucidate chemical structures. (*Alternate years*)

**345. Forensic Science (3)**

(Prereq: CHEM 222, 222L) An exploration of forensic techniques that would be encountered in a typical crime lab: evidence collection, trace analysis (glass, soil, fiber, hair, etc.), latent fingerprints, ballistics, arson, drug testing, blood typing, and DNA fingerprinting. *11 pt*

**380. Introduction to Research (1)**

(Prereq: CHEM 102 and 102L) Each student will learn the process of performing searches in the chemical literature. Projects ranging in difficulty from straightforward to complex will be assigned, culminating in a research proposal for research to be carried out during the junior/senior years.

**398. Honors Research (3-6).** See page 22.

**401. Physical Chemistry (3)**

(Prereq: CHEM 102 and 102L; MATH 202; PHYS 122 or 215) A study of theoretical chemistry, designed to teach the understanding and use of laws of chemistry and physics. Emphasis is placed on thermodynamics.

**401L. Physical Chemistry Laboratory (1)**

(Prereq: CHEM 102 and 102L; MATH 202; PHYS 122 or 215; coreq: CHEM 401) Selected experiments investigating thermodynamic, statistical mechanical, and kinetic properties of chemical systems. Emphasis is placed on laboratory problem solving in the lab.

**402. Physical Chemistry (3)**

(3 hrs lecture, one 3-hr lab weekly; prereq: CHEM 401; MATH 302) coreq: CHEM 402L Topics include: electrochemistry, chemical equilibria, kinetics, and atomic theory.

**402L. Physical Chemistry Laboratory (1)**

(3-hr lab weekly; prereq: CHEM 401 and 401L; MATH 302; coreq: CHEM 402) A theoretical and experimental investigation into the structures of atoms, molecules, and nanoparticles. Special emphasis is placed on molecular spectroscopy.

**442. Directed Studies (1 to 3).** See page 24.

Open to juniors and seniors by special permission. Designed to allow the student an opportunity for individual study of topics of special interest. This may range from off-campus projects to self-paced study of advanced topics related to the student's specific goals.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research (3-6).** See page 24.

Considerable latitude allowed in choice of subject matter and type of approach. Ordinarily restricted to students of unusual promise who wish to undertake suitable research problems under staff guidance. Use of library as well as lab required.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

# CHINESE STUDIES

Associate Professor Roy Campbell, Director  
Associate Professor Karen S. Kingsbury  
Assistant Professor David Liu

## Requirements for the Minor in Chinese

Students who minor in Chinese Studies must complete 18 hours, including CHIN 201, plus 15 hours from the following: CHIN 202; HIST 398, 390, 392; ENGL 343; PLSC352; Introduction to Chinese Studies; and any other appropriate courses approved by the chair of Interdisciplinary Studies Department. No more than two courses from one department may count towards the minor.

### **CHIN 201-202. Intermediate Chinese (3 each sem )**

A continuation of the study of the Chinese language.

### **ENGL 343. Modern Chinese Literature and Film (3)**

This course surveys the major developments in 20th century Chinese literature and film, starting in the Republican era, then moving through the Maoist years to the cultural resurgence that has followed. Primary focus is on social landscapes, the cultural imaginary, and the depiction of ordinary people's lives. (*Alternate years*)

### **HIST 389. Traditional China (3)**

Survey of ancient and traditional China up to the impact of the West in the 19th century. After a brief coverage of pre-historic and ancient developments, particular emphasis will be given to the classical philosophies, the imperial and bureaucratic state, and to the dynastic cycles.

### **HIST 390. Modern China and East Asia (3)**

Survey of historical developments and politics of China in the 19th and 20th centuries, particularly in the period since 1949. Briefer treatment of recent histories and contemporary politics of Japan and Korea.

### **HIST 392. Family and Gender in Chinese History (3)**

This course explores the familial and gender roles that have dominated Chinese society since traditional times. Consideration will be given to the historical influence of Confucianism, and primary emphasis will be placed on the 20<sup>th</sup> century intellectuals who have sought to reform these traditionally conservative elements of Chinese society.

### **PLSC 332. Politics of Modern China and Asia (3)**

With China's phenomenal economic development since 1978, the impact of China's emergence is increasingly felt around the world. Along with China's rise, Japan remains an economic giant and India is rapidly catching up as a serious contender for regional economic and political supremacy. The first half of this course introduces students to China's culture, history, politics, economy, and foreign relations, and discusses the challenges and opportunities brought by China's rise for the United States. The second half of the course compares the politics of China, Japan, and India, and discusses the implications of their regional rivalry. (*Alternate years*)

# DIGITAL ANIMATION ARTS

Associate Professor Ralph Paquin  
Associate Professor Page Meeker

## Requirements for the Minor in Digital Animation Arts

Students interested in a minor in digital animation arts must complete a major in art or computer science. The minor requires courses in art as well as computer science. The art student's focus will be on the computer science courses required for the minor. Computer science majors will focus on the required art courses to complete the minor.

### Art Majors:

In addition to the courses required for the major, art majors must take a total of 15 hours as follows: CSC 241, 242, 307, and 308 for the minor in digital animation arts. In addition, the senior project for art majors (ART 491 and 492) must have significant emphasis on animation.

### CSC 241-242. Program Design I and II (4 each sem)

Principles of program design and implementation using a modern programming language. Fundamentals of procedural programming, including basic data types, control structures, console and file input/output, subprograms, vectors and/or arrays, recursion, and pointers. Introduction to object-oriented programming, including objects, classes, member data, and member functions. Introduction to graphical user-interface programming. Students must develop and demonstrate proficiency in writing and debugging

programs up to an intermediate level of complexity. Students must receive a grade of "C-" or better in CSC 241 in order to advance to 242.

### CSC 307. 3D Modeling and Animation (4)

(Prereq: CSC 201 or 241; crosslisted with ART 307) This course explores concepts and methodologies for creating and exploring 3D graphics and animation. This class will introduce fundamental 3D theories and principles of computer modeling and animation. The class will also explore the history, development, and theories behind modeling and animation. Essential concepts will be made concrete through a major

term-long team project in which student teams will develop their own 3D models that are then used in a short animation.

### CSC 308. Graphics Programming and Animation (3)

(Prereq: CSC 241; crosslisted with ART 308) This course introduces the student to programming that draws 2D or 3D images on the screen. In particular, we will study graphics packages that enable interactive drawing and animation in 2D and 3D spaces. (*Alternate years*)

### Computer Science Majors:

In addition to the courses required for the major, computer science majors must take a total of 24 hours as follows: ART 110, 111, 120, 121, 122, 123, 251, 310, 311; ART 220-221, 230-231, 240-241, or 255; and ART/CSC 307 and 308. In addition, computer science majors must complete a six-hour animation capstone project as well as the software development (CSC 425-426) capstone course.

Students pursuing the minor in digital animation arts are expected to participate in the Senior Show presented each year by the Art Department.

ART  
110. Basic Drawing (2)  
111. Basic Drawing Studio (1)  
120. Basic 2-D Design (2)  
121. Basic 2-D Design Studio (1)

122. 3-D Design (3)  
123. 3-D Design Studio (1)  
220. Graphic Design (2)  
221. Graphic Design Studio (1)  
230. Painting I (2)  
231. Painting I Studio (1)

240. Sculpture (2)  
241. Sculpture Studio (1)  
251. Art History Survey I (3)  
255. Art History Survey II (3)  
307. 3D Modeling/Animation (4)  
308. Graphics Prog./Animation (3)

# ECONOMICS AND BUSINESS ADMINISTRATION

Professor Suzanne J. Smith, Chair  
Professor Sam L. Howell  
Professor Jody W. Lipford  
Professor Jerry K. Slice  
Professor Foard H. Tarbert, Jr.  
Associate Professor Norman M. Scarborough  
Visiting Assistant Professor, Bruce K. Cole

## **Requirements for the Major and Minor in Business Administration**

Students who major in Business Administration with Accounting Concentration must complete a total of 54 hours is required for the concentration in accounting as follows. Courses include ACCT 203, 311, 312, 313, 328; ECON 201\*, 202\*; BADM 299, 301, 307, 315, 332, 351, 352; STAT 319\*; three hours from one of the following: ECON 318, 326 or BADM 308; and two electives chosen from: ACCT 335, 336, 338, 340, and 342. \**“D” rule does not apply.*

Students who major in Business Administration with Management Concentration must complete a total of 51 hours required for the concentration. Courses include ACCT 203, 204, or ACCT 328; ECON 201\*, 202\*. BADM 299, 301, 307, 315, 332, 351, 352; STAT 319\*; and one elective from BADM 308 or ECON 318 or 326; and four electives chosen from any course offerings above the 200 level with business administration or economics prefixes or ACCT 340.

\**“D” rule does not apply.*

Students who major in Business Administration with Economics Concentration must complete a total of 51 hours required for the concentration. Courses include ACCT 203, 204; ECON 201\*, 202\*; BADM 299, 301, 307, 315, 332, 351, 352; ECON 310 and 330; either ECON 318 or 326; STAT 319\*; plus two additional economics course. \**“D” rule does not apply.*

Students who minor in Business Administration must complete eighteen hours are required for the minor in business administration. Courses include ACCT 203, ECON 201 and 202, and three business administration courses above the 200 level.

Students who minor in Accounting must complete eighteen hours required for the minor in accounting. Courses include ACCT 203, 311, 312, 328, and two electives chosen from ACCT 313, 335, 336, 338, and 340.

## **Requirements for the Major and Minor in Economics**

Students majoring in economics must complete a total of 36 hours of required coursework including ACCT 203, ECON 201, ECON 202, ECON 310, ECON 330, ECON 440, BADM 299, STAT 319, MATH 201 or 211, and any four courses with an ECON prefix above the 200 level or BADM 332 or BADM 351.

Students who minor in economics must complete 18 hours: ECON 201, 202, 310, and 330 plus two additional economics courses.

## Accounting (ACCT)

### 203. Principles of Financial Accounting (3)

This course provides an introduction to accounting as a device for reporting business activities. The underlying principles of accounting for assets, debt, and owners' equity are studied in addition to the preparation and interpretation of financial statements.

### 204. Principles of Managerial Accounting (3)

(Prereq: ACCT 203 or consent of instructor; this course should not be taken by students planning to concentrate in accounting.) This course studies the utilization of accounting information in business management decisions. The topics covered include cost control and reporting, inventory costs and pricing, cost-volume-profit analysis and budgeting.

**258. Special Topics (1-6).** See page 24.

### 311. Intermediate Accounting I (3)

(Prereq: ACCT 203) This course provides the introduction to the theory and practice related to the accounting function and its application to for-profit enterprises. Specific emphasis is placed on underlying accounting concepts, the analysis of accounting problems and the application of accounting principles for assets.

### 312. Intermediate Accounting II (3)

(Prereq: ACCT 311 or consent of the instructor) This course continues the in-depth study of financial accounting concepts and their application to liabilities, income tax allocation, investments, and revenue recognition.

### 313. Intermediate Accounting III (3)

(Prereq: ACCT 311) This course continues the in-depth study of financial accounting practice and theory to include accounting changes and error analysis, equity financing, pension liabilities, leases, and analyses of complete financial statements as

well as current developments.

### 328. Cost Accounting (3)

(Prereq: ACCT 203) A study of the application of cost analysis to manufacturing and distribution problems, including analysis of the behavioral characteristics of business costs and a study of principles involved in standard cost systems.

### 335. Advanced Accounting (3)

(Prereq: ACCT 313 or consent of instructor) This course is designed to study the application of accounting theory and principles to specialized accounting areas including partnerships, equity investments and business combinations, and consolidated financial statements. In addition, some aspects of multinational accounting are introduced, including accounting for foreign currency transactions and the translation of foreign currency financial statements. The course includes an integrating project that requires the student to utilize accounting knowledge gained from the major program.

### 336. Auditing (3)

(Prereq: ACCT 311) This course studies the principles and practice of internal and independent auditing, the criteria for the establishment and testing of internal controls, the testing of account balances, application of statistical sampling, and accounting information systems.

### 338. Governmental and Not-for-Profit Accounting (3)

(Prereq: ACCT 203) The theory and the practice related to the accounting function in governmental entities are covered extensively in this course. The emphasis is placed on state and local governmental entities. In addition, the theory and practice related to the accounting function in not-for-profit entities is also presented. These entities include colleges and universities, hospitals, churches, and voluntary health and welfare organizations.

### 340. Federal Income Taxation (3)

(Prereq: ACCT 203 or consent of instructor) Primary attention is given to the nature and purpose of taxes with specific emphasis on the federal income tax as it applies to individuals and their business activities.

### 342. Accounting Information Systems (3)

(Prereq: ACCT 311 or consent of instructor) This course provides a comprehensive study of accounting system basics. Experiential learning in computer-based accounting is a significant component of the course. In addition, this course introduces current trends in e-commerce, artificial intelligence, and other developments that have a significant effect on the design of accounting systems.

**389. Honors Research.** See page 24.

**442. Directed Studies.** See page 24.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

## Business Administration (BADM)

### 299. Computer Applications for Business (2)

A study of current information technology and its application to managerial decision-making. Students gain a working knowledge of basic spreadsheet skills, financial and statistical analysis, graphical tools, database management, report generation, and macro creation. This course relies on Excel for Windows to give students hands-on experience with computerized information systems in integrating material from other business courses.



**301. Business Law (3)**

(Junior standing or consent of instructor) Designed to give students a comprehensive knowledge of the principles of law pertaining to routine business transactions. Topics include sources of contracts, sales, the Uniform Commercial Code (UCC), title risk of loss, and product liability.

**307. Marketing (3)**

(Prereq: sophomore status) A general survey of marketing: consumer behavior, functions, channels, and institutions. Special emphasis on the integration of marketing fundamentals with decision-making through the use of case studies.

**308. International Marketing (3)**

(Prereq: BADM 307 or consent of instructor) This course is designed to give students experience in analyzing the marketing environment and applying marketing concepts in a foreign context to develop understanding of both the theoretical and practical benefits of international business.

**309. Consumer Behavior (3)**

(Prereq: BADM 307) Concepts, methods, and models used in understanding, explaining, and predicting consumer motivation and behavior. Implications for influencing decisions are highlighted.

**315. Management and Organizational Behavior (3)**

An overview of general principles of management with emphasis on planning, organizing, leading, and controlling. Topics include the evolution of management thought through current trends in management practice. Behavioral concepts are applied in motivation, leadership, group dynamics, and communication.

**316. Business Ethics (3)**

(Crosslisted with PHIL 316) A study of ethical issues in business with the aim of strengthening our moral discernment and practical

judgment. We will focus on classic and contemporary cases in the ethics of business.

**322. Industrial/Organizational Psychology (3)**

(Crosslisted with PSYC 322) The application of psychology to workplace settings, including not only business and industry, but also non-profit organizations such as hospitals, government, and social agencies. Topics include employment recruitment and selection, organizational communication, motivation of workers, and performance evaluation. Topics are of special relevance to students who at some point in their careers expect to be in managerial or administrative positions within an organization, be it a business or non-profit organization.

**325. Managerial Communication (3)**

(Prereq: C or better in English 110 or 111) A case-based class in which students analyze business problems and propose persuasive solutions. Students share leadership in a seminar-style class as they strengthen writing and speaking skills through peer-evaluated memos, letters, and reports. The course requires weekly writing assignments. Limited enrollment.

**332. Managerial Finance (3)**

(Prereq: ACCT 203) Designed to allow the student to apply basic concepts of finance to the solution of business problems, especially as they pertain to financial decision making; analysis of the financial condition of business firms as a means of recognizing current and long-term financial needs; selection of the most feasible actions necessary to secure best possible financing and most profitable allocation of resources.

**334. Human Resource Management (3)**

Analysis of current issues and practices in human resource management. The course studies the staffing, training, development, motivation, and maintenance of employees. Cases

and experiential exercises are used to involve students in resolving realistic human resources problems.

**344. Principles of Real Estate (3)**

(Prereq: junior status or consent of instructor) This course is designed as an introduction to the field of real estate and deals with the following topical areas: the economic, social, and legal setting of real estate; brokerage and real estate title transfer; value, price and investment; real estate ownership and administration; and real estate horizons.

**351. Operations Management (3)**

(Prereq: BADM 299 and STAT 319) An examination of analytical tools designed to improve quality and productivity in manufacturing and service operations. Topics include forecasting, inventory management, scheduling, linear programming, and queuing theory.

**352. Strategic Management (3)**

(Prereq: senior EBA major) A capstone course entailing study of the formulation and implementation of strategies in a wide range of businesses. Emphasis on analyzing and integrating the functional areas of business administration. The case study method and a term project offer student the opportunity to apply strategic concepts to "real-world" situations.

**353. Small Business Management (3)**

(Prereq: ACCT 203 and ECON 201) A practical course designed to enhance the student's ability to apply fundamental managerial techniques to the operation of the small business. The focus is on developing strengths and capabilities that are unique to small companies striving for success. Topics include strategic management, entrepreneurship, forms of ownership, franchising, cash flow management, sources of funding, business plan development, and others. Students create a business plan as part of the course.

**398. Honors Research (3-6).** See page 22.

**442. Directed Studies.** See page 24.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

## Economics (ECON)

### **201. Principles of Macroeconomics (3)**

The study of basic concepts, national income determination, and the effects of monetary and fiscal policies.

### **202. Principles of Microeconomics (3)**

The study of microeconomic concepts, price theory, individual and firm choice, market structures, and the distribution of income.

**258. Special Topics (1-6).** See page 24.

### **300. Capitalism: Its Foundations and Functions (3)**

This course will provide students with a thorough understanding of a market capitalist economy by exploring its moral foundations and functions. Students will read, analyze, and discuss Ayn Rand's *Atlas Shrugged* as well as selected articles.

### **304. Money and Banking (3)**

(Prereq: ECON 201, 202) A study of the nature and functions of money, the commercial banks, the Federal Reserve System, and monetary techniques and policies. Also considered are other types of banking and certain foreign monetary systems as well as everyday problems of credit, credit instruments, and foreign exchange.

### **306. Environmental Economics (3)**

(Prereq: ECON 202) This course is a study of the application of economic concepts to private and public sector decision-making concerning natural

and environmental resources. Topics include benefit-costing analysis, intergenerational equity, externalities, public goods, property rights, valuation of environmental goods, and policy implications.

### **310. Intermediate Microeconomic Theory (3)**

(Prereq: ECON 201, 202) An advanced treatment of microeconomics analysis.

### **317. Investment Analysis (3)**

(Prereq: junior status or consent of instructor) Designed to develop in general an understanding of the investment process and in particular the criteria for investment decision. Equity and bond markets are analyzed. Students study problems typical of those faced by security analysts and investors.

### **318. International Trade (3)**

(Prereq: ECON 201, 202) A study of the significance of international trade, its mechanism and its regulation by tariffs, quotas, and governmental monopolies. The international economic position of the United States is discussed and evaluated.

### **326. Comparative Economic Systems (3)**

(Prereq: ECON 201 and 202) A comparative analytical and historical study of the principal economic systems important in the modern world. Emphasis is placed on the basic principles of capitalism and socialism; the variants of capitalism practiced in the United States, Western Europe, and Asia; and the transformation process undertaken in Eastern Europe and the former Soviet Union.

### **327. Economics of Property Rights (3)**

(Prereq: ECON 201 and 202) A study of property rights from philosophical, historical, and public policy points of view. The course will give special attention to the implications of property rights for economic and other freedoms and for prosperity, making use of contemporary examples

and applications.

### **330. Intermediate Macroeconomic Theory (3)**

(Prereq: ECON 201, 202) An advanced treatment of macroeconomic analysis.

**398. Honors Research (3-6).** See page 22.

**440. Research in Economics, Senior Capstone** See page 24.

The economic major capstone will provide a culminating experience for economics majors. The course will have three main objectives: to challenge students to understand and interpret contemporary economic events in the light of the theories they have learned in the prior courses, to critique current reading in economic literature, and to conduct a research project under a faculty supervision.

**442. Directed Studies.** See page 24.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

## Statistics (STAT)

### **319. Introductory Statistics (4)**

(3 hrs lecture, 3 hrs lab weekly; required of all business administration majors) A course dealing with basic statistical concepts and methods: organization and presentation of data, probability, probability distribution, sampling distributions, simple regression and correlation, confidence intervals, and hypothesis testing.

# EDUCATION

Associate Professor Debra S. Lee, Chair  
Associate Professor Anita M. Dutrow  
Assistant Professor J. Lynn Cresson  
Assistant Professor Julie Smart

## Teacher Education Program

Students who plan to pursue a program of studies leading to initial licensure must submit a formal application to the Education Department. Applications should be submitted no later than March 1 of the sophomore year. Students must be admitted to the Education Department to enroll in 300- or 400-level education courses (with the exception of EDMS 341 and EDUC 371). Students who are not admitted to the Teacher Education Program by the end of the sophomore year must submit a request to the department chair to receive permission to take 300- or 400-level education courses.

Students not admitted by October 1 of the junior year will be ineligible to enroll in additional 300- or 400-level education courses without the permission of the department chair.

Criteria used in determining acceptance into the professional program include:

1. Completed teacher education application, including a successful South Carolina Law Enforcement Division background check as required by the SC Education Department.
2. Completion of 45 semester hours
3. A cumulative 2.5/4.0 GPA (on all PC coursework and all coursework that counts towards graduation)
4. Declared program of study on file the PC Registrar's Office.
5. Passing scores on all sections of the Praxis I examination, ACT or SAT South Carolina Exemption (scores are to be submitted with the Teacher Education Program application).

The Teacher Education Committee will make the final decision on all admissions to the Teacher Education Program. A letter notifying the candidate of the committee's decision will be sent by the Education Department. Questions or concerns regarding an applicant's status may be directed to the Chair of the Education Department.

Once admitted to the Teacher Education Program, candidates are required to complete all required course work and college requirements prior to student teaching. However, in the event there are course-scheduling problems, no more than two courses for a maximum of eight hours may be taken after student teaching is completed, provided the student has met all other graduation requirements.

Students are encouraged to check the program requirements and to plan carefully as they develop their plans for obtaining teacher certification. Students should be aware of the off-campus time required during the student teaching experience and must complete all college required CEPs and other college requirements prior to the student teaching semester.

Early and frequent consultation with Department of Education faculty is recommended. The *Teacher Education Handbook* contains additional information and may be obtained from the Education Department.

## Education Program Completers

The Department of Education will provide recommendation for educator certification to the South Carolina Department of Education upon successful completion of all requirements.

A "program completer" is a candidate who has:

1. Completed one of PC's approved programs of teacher education.
2. Earned an average grade of "C" or higher in clinical practice (student teaching).
3. Earned passing scores on the specialty area examinations as required by the South Carolina Department of Education and requested that the testing agency send official copies of scores earned to the College.
4. Completed all exit requirements.

### Requirements for the Major in Early Childhood Education

Students majoring in early childhood education must complete the following courses: ART 280; CHEM 100 or PHYS 203, 205, or 211; EDUC 201, 391, 392, 393; EDEC 303, 305, 306, 311, 312, 313, 408, 409, 410; EDUC 350; GEOG 301 or HIST 337; MUSC 307; PHED 310; PSYC 201, 212, 303; EDUC 371, SOC 364 or SOC 360.

### Requirements for the Major in Middle School Education

A student who wants to teach at the middle school level will earn a B.S. in Middle School Education with a concentration in two of the following areas: Language Arts, Math, Science, and Social Studies. The following professional courses are required of all students, regardless of area of concentration: EDUC 201, 350, 391, 392, 393, 440; EDMS 340, 341, 342, 410, 411, 412; PSYC 201, 213, 303. Additional professional courses and courses specific for each area of concentration are listed below.

#### Concentration in Language Arts:

**Additional Professional Courses:** EDMS 400.

**Teaching-Area Required Courses:** ENGL 110, 111, 219, 313, 341; one from ENGL 201, 202, 203, 206, 207, or 209; one from ENGL 210, 323, or ART 300; one from ENGL 322, 324, 334, 338, 341, 343, 345, or 347.

#### Concentration in Social Studies:

**Additional Professional Courses:** EDMS 401.

**Teaching-Area Required Courses:** GEOG 301 or 302; History 121, 122, 211, 212; PLSC 201 or 202.

#### Concentration in Math:

**Additional Professional Courses:** EDMS 403.

**Teaching-Area Required Courses:** MATH 201, 202, 208, 210, 221, 309.

It is crucial that prospective middle school education majors planning a concentration in math take math 201 and MATH 221 no later than their sophomore year.

#### Concentration in Science:

**Additional Professional Courses:** EDMS 402

**Teaching-Area Required Courses:** BIOL 101-101L and 102-102L; one from BIOL 203, 215-215L, or 314; one from BIOL 207, 212, 320, or PHYS 211; one from CHEM 101-101L or 250; one from PHYS 121-121L or 205.

### Requirements for Secondary Education Certification in Biology, English, Social Studies, or Mathematics

In order to teach in a secondary school setting, a student will major in the teaching area of interest (i.e., biology, English, history\*, or mathematics) and will minor in secondary education. Students for all teaching areas should check with the Department of Education to determine specific requirements for their area of interest.

\*Students who want to be certified to teach social studies in the high-school setting must meet the requirements for the major in history.

Student minoring and needing Certification in Secondary Education must complete the following courses in order to complete the program: EDUC 201, 371, 391, 392, 393; EDSD 301, 302, 400, 401, 402, 403; PSYC 213.

### Requirements for Certification in Spanish or Music

Students interested in teaching music education (instrumental or vocal) for grades K-12 or Spanish education for grades K-12 should check with the Music or Modern Foreign Language Department to determine specific requirements for the selected teaching area.

## Education (EDUC)

### 102. Teacher Cadet (3)

This course is a study of the history, development, organization, and practices of preschool, elementary, and secondary education. This course is open to high school students only.

### 201. Introduction to Education (3)

Extensive treatment of the social, political, economic, and philosophical influences that have shaped American education will be covered in this course.

### 202. History of Education (3)

The evolution of educational theories and philosophies with particular emphasis on their impact upon educational developments in the United States.

**258. Special Topics (1-6).** See page 24.

### 350. Literacy Technology and Instruction (3)

This course is designed to assist teacher candidates with the necessary skills to develop instructional practices that will allow them to incorporate technologies successfully into their classrooms. Projects might include web pages, web quests, computer-based grade books, newsletters, book making, etc.

### 371. Meeting the Needs of All Learners: Exceptional and Diverse (3)

An examination of current research and practices related to diverse student populations to include race, ethnicity, language, gender, exceptionalities, socio-economic status and cultural differences. Emphasis is placed on factors that influence learning, instructional strategies, assessment and interventions.

### 391, 392, 393. Practicum (1, 1, 1)

(Prereq: Acceptance into Teacher Education Program; grade of "C" or higher in each practicum course) The three practicum experiences comprise the fieldwork component of the Teacher Education Program. Fieldwork totals over 100 hours and is conducted in school settings.

Seminars include EEDA, culturally responsive teaching, service learning, health, safety, and legal issues, assessment, etc.

### 440. Capstone Seminar in Education: Ethnic Studies for Educators (3)

(Prereq: admission to the Teacher Education Program or consent of department chair) This course uses a seminar format in which students engage in discussion, conduct original research, and present their findings in both oral and written reports. The capstone stresses students' skills in analysis and research.

**442. Directed Studies (1-3).** See page 24.

Limited to junior and senior departmental majors and students in teacher certification programs. Designed to allow the student to pursue a topic of special interest.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

## Early Childhood Education (EDEC)

### 303. Early Childhood Education Curriculum (3)

This course will provide an overview of types of programs for young children with emphasis on the history of early childhood education, current trends, and issues. Other areas of focus will include analysis of classroom design, selection of appropriate materials for young children, instructional planning, guidance, developmentally appropriate assessment, referral sources, modifications for children with disabilities, and parent/home relationships and communication.

### 305. Science Methods and Materials for Young Children (3)

This course focuses on the content, methods, and materials for teaching science to young children (Pre-K through 3rd grade). Teacher candidates will use early childhood science standards, developmentally appropriate pedagogies, and a variety of assessment strategies in designing, implementing, and evaluating science experiences in early childhood settings. Classroom management strategies, safety considerations, family and community connections, and the use of technology will also be addressed.

### 306. Social Studies Methods and Materials for Young Children (3)

(Prereq: EDEC 303 and senior status) This course focuses on the content, methods, and materials for teaching social studies to young children (Pre-K through 3rd grade). Teacher candidates will use early childhood social studies standards, developmentally appropriate pedagogies, and a variety of assessment strategies in designing, implementing, and evaluating integrative social studies experiences in early childhood settings. Classroom management strategies, family and community connections, and the use of technology will also be addressed. A minimum grade of "C" is required.

### 310. Literature for the Young Child (3)

This course will provide a survey of literature for children, acquaintance with outstanding authors and illustrators in the field and genres of literature, experiences in evaluating and selecting appropriate literature for children, and techniques for presenting literature to children and integrating it across the curriculum.

### 311. Reading Methods and Materials for Young Children (3)

This course will provide undergraduate students content knowledge and experiences in developing a literacy program for young children, ages birth to eight years (or third grade). The content will focus on

language development; cultural and linguistic diversity; appropriate strategies for fostering emergent literacy; appropriate formal leaning experiences in reading, writing, speaking and listening; and varied assessment strategies. Students will study various methods of primary grade instruction, including but not limited to, phonics; language experience; literature-based, shared-book experience; and the writing process. Students will also have opportunities to engage young children in literacy activities through field-based experiences. A minimum grade of “C” is required.

### **312. Math Methods and Materials for Young Children (3)**

Students will be provided content knowledge and experiences for developing a mathematics program for young children, ages birth to eight years (or third grade). The content will focus on development of mathematical concepts during preoperational and concrete operational stages, inquiry approach to mathematics, use of concrete materials to teach mathematics concepts, communication of mathematics ideas through speaking and writing, and the integration of mathematics with other curriculum areas. Students will also have opportunities to engage young children in math activities through field-based experiences.

### **313. Developing Readers and Writers (3)**

(Prereq: EDEC 311, EDMS 342) The content focuses on effective pedagogy for early and fluent readers and writers; developmentally appropriate literacy materials and experiences; cultural and linguistic diversity; and diagnosis and remediation for struggling readers and writers. Candidates will have the opportunity to engage early and fluent readers and writers in literacy activities through field-based experiences.

**398. Honors Research (3-6).** See pg. 22.

### **408 (Observation/Assessment)**

#### **409 (Planning)**

#### **410 (Teaching)**

### **Directed Teaching in Early Childhood Education (3, 3, 6)**

(Prereq: senior status and successful completion of all requirements for clinical practice) Provides for directed and closely supervised performance of student teachers in the full range of duties of classroom teachers. Regular seminars and personal conferences are an integral component of the course.

**442. Directed Studies.** See page 24. Limited to junior and senior departmental majors and students in teacher certification programs. Designed to allow the student to pursue a topic of special interest.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

## **Middle School Education (EDMS)**

### **340. Teaching Adolescents (3)**

Middle-level teacher candidates learn about the educational implications of the developmental period of early adolescence. The focus is learning about and applying models of effective teaching, learning, and schooling for this age group. The role of middle level teachers on the healthy development of young adolescents is discussed.

### **341. Middle School Philosophy and Organization (3)**

This course will explore the historical perspective of middle schools and examine current trends and issues in middle-level schooling, curriculum, and research. Effective programs

and practices in the middle school are explored. A minimum grade of “C” is required.

### **342. Interdisciplinary Connections through Reading and Writing (3)**

The focus of this course is the active engagement of students as readers and writers across the content areas. Students evaluate texts and learn ways to make reading and writing more meaningful for middle-level learners. A minimum grade of “C” is required.

**398. Honors Research (3-6).** See pg. 22.

### **400. Middle School – Language Arts Methods (2)**

(Prereq: EDMS 341, 342; senior status) A study of content-specific methodology for middle-level language arts. The course focuses on planning, instruction, assessment, teacher resources, technology, and classroom climate. Teacher candidates will work with middle-level language arts students, classes, teams, and teachers and will use middle-level language arts standards.

### **401. Middle School – Social Studies Methods (2)**

(Prereq: EDMS 341, 342; senior status) A study of content-specific methodology for middle-level social studies. The course focuses on planning, instruction, assessment, teacher resources, technology, and classroom climate. Teacher candidates will work with middle-level social studies students, classes, teams, and teachers and will use middle-level standards, pedagogy and assessments.

### **402. Middle School – Science Methods (2)**

(Prereq: EDMS 341, 342; senior status) A study of content-specific methodology for middle-level science. The course focuses on planning, instruction, assessment, teacher resources, technology, and classroom climate. Teacher candidates will work with middle-level science students,

classes, teams, and teachers and will use middle-level science standards, pedagogy, and assessments.

### **403. Middle School – Math Methods (2)**

(Prereq: EDMS 341, 342; senior status) A study of content-specific methodology for middle-level math. The course focuses on planning, instruction, assessment, teacher resources, technology, and classroom climate. Teacher candidates will work with middle-level math students, classes, teams, and teachers and will use middle-level math standards, pedagogy, and assessments.

### **410. Middle School**

#### **(Observation/Assessment)**

#### **411 Middle School (Planning)**

#### **412 Middle School (Teaching)**

#### **Directed Teaching in Middle-School Education (3, 3, 6)**

(Prereq: senior status and successful completion of all requirements for clinical practice) These courses provide for directed and closely supervised performance in the full range of duties of a middle-school teacher. Conducted in cooperating middle schools and accompanied by conferences and seminars. Students observe, assess, plan, and teach. A minimum grade of “C” is required to receive the College’s recommendation for certification.

**442. Directed Studies.** See page 24.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

## **Secondary Education Certification (EDSD)**

### **301. Principles and Philosophies of Education (3)**

Analysis of the organizational

structure, curriculum development, and social influences that shape American “secondary” education as they affect the classroom teacher.

### **302. Methods and Materials of High School Teaching (3)**

Limited to those students seeking the professional teaching certificate. A consideration of current theories, methods, and materials of secondary school instruction including the development of instructional practices and materials appropriate for the secondary school and familiarization with curriculum materials. Activities and topics are individualized according to the teaching programs of those enrolled. Sections EDSD 302A-J are offered, reflecting teaching candidate major program areas. A minimum grade of C is required.

**398. Honors Research (3-6)** See page 24.

### **400 (Observation/Assessment)**

#### **401 (Planning)**

#### **402 (Teaching)**

#### **Directed Teaching In Secondary School Education (3, 3, 6)**

(Prereq: senior status and successful completion of all requirements for clinical practice) A program of supervised observation and teaching in cooperation with selected secondary schools in which opportunities are provided for the student to practice the skills of teaching. A minimum grade of “C” is required to receive the College’s recommendation for certification.

### **403. Reading in the Secondary School (3)**

Required for certification in all secondary areas. Emphasis placed on methods and techniques that teachers can use to teach the content area comprehension.

**442. Directed Studies.** See page 24.

Limited to junior and senior

departmental majors and students in teacher certification programs. Designed to allow the student to pursue a topic of special interest.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

## **Special Education / Learning Disabilities (SPED)**

**391, 392, 393. Practicum (1,1,1)**

**415. (Observation/Assessment).**

**416. (Planning).** See page 24.

**417. (Teaching).**

**Directed Teaching in Special Education  
(3, 3, 6).**

# ENGLISH

Associate Professor J. Justin Brent, Chair  
 Professor G. Terry Barr  
 Professor Lynne M. Simpson  
 Professor H. Dean Thompson, Jr.  
 Associate Professor Karen S. Kingsbury  
 Assistant Professor Margaret T. McGehee  
 Instructor Jerry J. Alexander  
 Visiting Instructor Robert E. Stutts

## Requirements for the Major and Minor in English

Students majoring in English must complete 33 hours above the ENGL 110-111 level, including three courses selected from ENGL 201, 202, 203, 206, and 207; ENGL 219, 350, and 420. Elective courses in English to complete the major must include at least two 300- or 400-level literature courses before 1900 and one 300- or 400-level literature course after 1900.

Students majoring in English with emphasis in creative writing must complete 33 hours above the 110-111 level, including three courses selected from ENGL 201, 202, 203, 206, and 207; ENGL 219, 350, and 420; and nine hours from the following: ENGL 215, 216, 398, or 410. Elective courses in English to complete the major must include at least one 300 or 400 level literature course before 1900 and one 300 or 400 level literature course after 1900.

Students minoring in English must complete 18 hours, including ENGL 110-111; either ENGL 201, 202, 203, 206, or 207; and at least one other 300- or 400-level literature course.

Students minoring in English with emphasis in creative writing must complete 18 hours, including ENGL 110-111; either ENGL 201, 202, 203, 206, or 207; and ENGL 215, 216, and 410.

## Requirements for Certification to Teach High School English

A student who wants to be certified to teach English in the high school setting must meet the following requirements for the major in English: 33 hours above the ENGL 110-111 level, including three courses selected from ENGL 201, 202, 203, 206, and 207; ENGL 219, 313, 350, 381, and 420; and either ENGL 213 or 310. Elective courses in English to complete the major must include at least one 300- or 400-level literature course before 1900 and one 300- or 400-level literature course after 1900. Students should complete all other courses required for teacher certification and meet the criteria for acceptance into the Teacher Education Program. See Teacher Education and Certification on pages 33 and 87 for more information.

## English (ENGL)

### 109. Composition (3)

(Required of students whose preparation in writing needs strengthening; offered on a pass/fail basis only; successful completion of 109 required for 110) The course consists of intensive reading and writing with formal instruction in grammar and mechanics.

### 110. Composition and World Literature I (3)

(Required of all students) Students will develop proficiency in composition through a thematic study of works that may be selected from ancient to modern world literature.

### 111. Composition and World Literature II (3)

(Required of all students; prereq: ENGL 110) A detailed exploration of selected genres. Possible topics include Introduction to Film, Introduction to Autobiography, Introduction to the Novel, Introduction to the Short Story, and Introduction to the Graphic Novel.



English 110-111 are prerequisites for all upper-level English courses.

**201-202. Survey of English Literature (3 each sem)**

Individual works by major writers from the entire body of British literature are studied critically in chronological order, with some attention to backgrounds and characteristics of respective literary periods. First term: English literature from Beowulf to 1798. Second term: the literature from 1798 to the present.

**203. Survey of World Literature I (3)**

This course surveys world literature from the origins of writing to the early 17th century. Periods covered include ancient Mesopotamia, classical Greece, early India, Tang China, and late medieval and early Renaissance Western Europe with special emphasis on the relations between post-medieval Western discourse and Islamic, African and New World Cultures. Key themes include morality, mortality, and action; mythic treatment of tribal relations; gender and power and the relations between religion and literature. (*Alternate years*)

**206. Survey of American Literature I (3)**

A survey of American literature from the Age of Faith to the Age of Reason to the Romantic Age with emphasis on the essays, poems, and fiction of Emerson, Thoreau, Hawthorne, Melville, and Whitman. A communication and evaluation of the history of ideas revealed in early American literature and relevant today.

**207. Survey of American Literature II (3)**

A discussion and evaluation of the history of ideas in America from the Civil War to the present, including readings from Mark Twain and Emily Dickinson to Louise Erdrich and August Wilson. Realistic, naturalistic, existentialistic, modern, and contemporary thought and literature will be studied.

**209. African American Literature (3)**

This course will survey literary production by African Americans from the mid-eighteenth century to the late twentieth century. Essays, autobiographies, speeches, poems, novels, short stories, plays, songs, and films will allow us to see the multiple ways in which African Americans have put into words and made senses of their experiences with in American society across the centuries. But such works also help us in understanding and coming to terms with significance of race (as well as class, gender, sexuality, and religion) in American's past and present. This course may count towards fulfillment of the Southern Studies and/or Africana Studies Minor(s).

**210. Introduction to World Cinema (3)**

(Crosslisted with THEA 210 and FILM 210) A survey of the important genres, theories, techniques, and international movements of film history. Representative films from the silent era to the present, and from America to Europe and Asia, will be covered. (*Alternate years*)

**213. Literary Methods (3)**

An introduction to scholarship in the English discipline, covering such areas as genres, terms, and theories; research methods; and various writing forms (including critical analyses, annotated bibliographies, and documented essays). (*Alternate years*)

**215. Creative Writing: Poetry (3)**

(Only one course, 215 or 216, may count toward the major) A study of and an involvement in the creative process of writing poems. Extensive reading of modern and contemporary poems as models of the craft. Students will write free verse and traditional forms. Honest but tactful criticism of fellow students' poems will be expected from each student. Short essays on contemporary poetry will be required.

**216. Creative Writing: Fiction (3)**

(Only one course, 215 or 216, may

count toward the major) A study of and an involvement in the creative process of writing fiction. Extensive reading of contemporary short stories and novels. All students will write several pieces of fiction. Honest but tactful criticism of fellow students' work will be expected from each student.

**219. Studies in Linguistics (3)**

(Required of all English majors) A survey of the history of the English language, an introduction to modern theories of English grammar, and a rigorous review of usage rules for written English.

**220. Writing Tutor Practicum (1)**

(Prereq: consent of instructor; selection as a writing center tutor; offered on a pass/fail basis and may not be counted toward the English major) A practical course in how to help others with writing through a writer-centered approach. Students will study methods for effective tutoring in writing with actual experience in the writing center.

**258. Special Topics (3).** See page 24.

**305. Eighteenth Century Poetry and Prose (3)**

(Prereq: A 200-level literature course or consent of instructor) An examination of the chief works of Dryden, Swift, Pope, Johnson, and others against the background of eighteenth century society and thought. Collateral reading; term project. (*Alternate years*)

**306. Poetry and Prose of the Romantic Period (3)**

(Prereq: A 200-level literature course or consent of instructor) An examination of the chief poems and essays of Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, Lamb, Hazlitt, Wollstonecraft, and De Quincey. Collateral reading; critical essays and analyses. (*Alternate years*)

**310. Introduction to Literary Theory and Criticism (3)**

A survey of major works of literary theory and criticism, beginning with classical criticism and ending with contemporary theory. Organized by historical period, the course traces the evolution of critical practices, emphasizing the interconnectedness of literature and theory while developing awareness of diverse methods of interpretation. (*Alternate years*)

**313. Adolescent Literature (3)**

A survey of adolescent literature (including print and nonprint media) and informational materials suited to the use of junior and senior high school students. Attention given to reading interests and needs of the adolescent. Also considered is the relation of the teacher to the school library program or media center and current trends in teaching with books. (*Alternate years*)

**314. Southern Literature (3)**

(Prereq: ENGL 206 for English majors and minors or SOST 205 for Southern studies minors; crosslisted with SOST 314) A survey of significant Southern writing from Colonial days to the present. Particular attention will be paid to the writers of the twentieth century. (*Alternate years*)

**317. Chaucer (3)**

A study of the works of England's first major poet, with special attention to the *Canterbury Tales*. The course will include collateral readings about sources for Chaucer's work and the cultural milieu of fourteenth century England. (*Alternate years*)

**318. Topics in Medieval Literature (3)**

(May be taken more than once for credit) A survey of significant works from the medieval period, excluding Chaucer's *Canterbury Tales*. The course will focus on one unifying theme, such as Arthurian Literature, Medieval Romance, Women in the Middle Ages, et. al. (*Alternate years*)

**320. Silent Film (3)**

A survey of film's formative years, from the Edison kinetoscopes of the 1890s to the international flowering of the 1920s, focusing on thematic trends, development of genres, and increasing complexity of film grammar. Directors whose works we will study will include Griffith, Eisenstein, Vidor, Lang, Chaplin, Murnau, Gance, and von Sternberg. (*Alternate years*)

**322. Women's Literature (3)**

A critical study of American and British women writers, which may examine the following themes: myths of the female, the woman artist, the female *bildungsroman*, love and friendship, communities of women, women and war, women's place in the nation, and female spirituality. (*Alternate years*)

**323. Film and American Culture (3)**

A study of the way in which social, political, economic, and cultural forces in America have influenced or been depicted by or in American film. Selected directors whose films will be viewed include Griffith, Chaplin, Hitchcock, Altman, Levinson, Tarantino, and others. (*Alternate years*)

**324. Women's World Literature (3)**

A complement to ENGL 322. An introduction to women's literature written by artists from across the globe (including Africa, the Middle East, Asia, and Latin America) that focuses on texts composed after 1900. (*Alternate years*)

**325 Renaissance Poetry and Drama (3)**

An application of Renaissance intellectual history to the study of the overreacher and the Petrarchan and Ovidian love traditions in 16th and 17th century English poetry and non-Shakespearean drama. (*Alternate years*)

**326. Practicum in the Writing Center (1)**

(Prereq: ENGL 220 may be taken more than once for credit. The course will be offered on a pass/fail basis and may not be counted toward the English major.) A practical course in helping other students with writing through a writer-centered approach. The course includes mentoring beginning tutors, tutoring writers, and working on projects in the Writing Center.

**329. The Victorian Age (3)**

(Prereq: A 200-level literature course or consent of instructor) An examination of the chief writers and their work against the background of nineteenth century life and thought, including Tennyson, Browning, Arnold, Ruskin, Carlyle, Mill, the Rossettis, Morris, Wilde, and others. Critical essays and analyses. (*Alternate years*)

**332. Advanced Writing (3)**

A study of the advanced rhetorical strategies that inform a variety of writing styles, with particular emphasis on academic writing. Students will write several essays, revise them regularly, and assemble a final portfolio of their best written work. (*Alternate years*)

**334. Southern Women's Writings (3)**

This course examines how modern and contemporary women writers represent and imagine the south in their texts — and, in doing so, how they illuminate the dynamic of race, ethnicity, gender, class, and sexuality within twentieth - twenty-first century southern society. This course can count towards fulfillment of the Southern Studies and /or Women's Studies minor(s).

**336. The American Renaissance (3)**

(Prereq: ENGL 206) A comprehensive survey of the literary flowering of 1850-1855 that produced the transcendentalist poetry and prose of Emerson, Thoreau, and Whitman and the novels of Hawthorne and Melville. (*Alternate years*)

**338. American Identities (3)**

A survey of works that address the multiple meaning and uses of the term “American” as applied to (or kept from) individuals and groups throughout the history of the United States. Focusing on what it has meant historically to be (or not to be) an American, this course will explore how groups of Americans have experienced life within this country’s borders differently given their particular racial, ethnic, class, gender, and sexual identities. *(Alternate years)*

**341. Postcolonial Literature and Film (3)**

This course investigates the theory and practice of cultural production (focusing on literature and film) in regions of the world that, in the mid-20th century, gained political independence after years of colonial rule. Selections will be made from theorists like Fanon, Said, Spivak, Chow, and Bhabha; and from films and literature from Africa, Asia, Latin America, and the Caribbean. *(Alternate years)*

**343. Modern Chinese Literature and Film (3)**

(Crosslisted with FILM 343) This course surveys the major developments in 20th century Chinese literature and film, starting in the Republican era, then moving through the Maoist years to the cultural resurgence that has followed. Primary focus is on social landscapes, the cultural imaginary, and the depiction of ordinary people’s lives. *(Alternate years)*

**345. Holocaust Literature (3)**

This course will examine the intentional destruction of European Jews through a variety of literary forms: Memoir, fiction, poetry, and film. Selected authors include Levi, Spiegelman, Loginski, Applefeld, and Borowski *(Fall, Alternate years odd years)*

**347. Southern Jewish Literature (3)**

This course examines works by Jewish authors who are natives or transplants to the American South but who, in either cases, consider the South their home. This “braided” community -- Jews, Christians, Southerners, Americans -- helps us understand the South to be far less homogeneous than otherwise imagined. Selected authors covering an array of literary genres Uhry, Kushner, Greene, and Mirvitz. This course can count towards fulfillment of the Southern Studies minor. *(Fall, Alternate years even years)*

**350. Shakespeare (3)**

(Required of English majors; crosslisted with THEA 350) A critical study of representative histories, comedies, tragedies, and romances, with emphasis on Shakespeare’s development as a dramatic artist.

**356. Modern and Contemporary Drama (3)**

(Crosslisted with THEA 356) This course explores the influence of realism, naturalism, expressionism, and finally absurdism on contemporary drama, while paying particular attention to American and British playwrights. *(Alternate years)*

**361. The English Novel to 1900 (3)**

A study of the English novel from its emergence in the eighteenth century through its eminence in the nineteenth century, including such novelists as Fielding, Richardson, Austen, the Brontës, Dickens, Eliot, Hardy, and others. *(Alternate years)*

**365. The Modern British and American Novel (3)**

A critical survey of the development of the novel in the twentieth century, focusing on major authors. The reading list is determined from the following authors of the Modern Period: Forster, Joyce, Conrad, Woolf, Lawrence, Faulkner, Hemingway, and Fitzgerald. Post WWII and postmodern authors represented may include Ellison, Morrison, Pynchon,

M. Amis, Fowles, Flannery O’Connor, Bellow, and Barth. *(Alternate years)*

**371. Modern Poetry (3)**

A survey of modern British and American poets, with particular attention to W.B. Yeats, T.S. Eliot, and Robert Frost. Collateral readings and selected analyses. *(Alternate years)*

**381. The Teaching of Composition (3)**

Beginning with a brief review of grammar, the course introduces future secondary English teachers to composition theory and the teaching of writing. Students will gain practical experience in working individually with students and grading essays. *(Alternate years)*

**398. Honors Research (3-6).** See page 22.**402. Studies in Literature (3)**

(Open to Juniors and Seniors with consent of instructor) An intensive study of the works of a major fiction writer or of selected works by a group of related fiction writers.

**410. Creative Writing: Seminar (3)**

(Open to students majoring in English with the emphasis in creative writing only; Prereq: ENGL 215-216 or consent of instructor) An intensive study of the process of creative writing for advanced students. Students will work on large-scale, individual writing projects (poetry portfolio, short-story collection, novel, screenplay, etc.), as well as read extensively in their chosen genre. Honest but tactful criticism of fellow students’ work in class workshops will be required from each student. *(alternate years)*

**420. Senior Capstone in English (3)**

(Required of English majors during their senior year; may be taken in junior year if necessary or with consent of department; and consent of instructor required) Readings in literature selected by the English faculty. Course uses a seminar format in which students engage in discussion, conduct original research on a topic of their choice, and present

to the class their findings in both oral and written reports. Stresses students' skills in analysis, research, and communication.

**442. Directed Studies (3).** See page 24. Open only to English majors who have completed at least nine additional hours in English above the freshman level. Readings and research on a topic proposed by the student and approved by the Department of English.

**444. Internships (1-3).** See page 24. (Prereq: 12 hours of English above ENGL 110-111, including ENGL 219; open to English majors only; offered on a pass/fail basis and may not be counted toward the English major; a student may not earn more than six hours in internship programs in English.) Internships in publishing, journalism, and related fields must be approved by the student's advisor and the departmental faculty. The student's work will be closely supervised in the firm where the internship is undertaken, and weekly written reports must be submitted to the faculty supervisor.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

# ENVIRONMENTAL STUDIES

Professor John Inman, Director  
Professor Jerry Slice  
Associate Professor James Thompson  
Assistant Professor Brett Bebber

**The Minor in Environmental Studies requires 18 hours:** BIOL 215 and 215L plus 15 hours of approved coursework or independent studies chosen from BIOL 201, 202, 206, 207, 216, and 314; ECON 306; and PHIL 317.

## **BIOL 201. Invertebrate Zoology (4)**

(3 hrs lecture, 3 hrs lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor) Studies of the principal phyla of the invertebrates emphasizing their increasing complexity of structure, physiology, ecology and evolutionary relationships.

## **BIOL 202. Vertebrate Zoology (4)**

(3 hrs lecture, 3 hrs lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor) Lectures deal with the taxonomy, morphology, ecology, and evolution of principal vertebrate groups. Lab treats ecology, taxonomy, population biology, identification, and morphology with emphasis on local forms. (*Alternate years*)

## **BIOL 206. Taxonomy of Native and Economic Plants (4)**

(3 hrs lecture, 3 hrs lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor) The classification and identification of common and economically important vascular plants with attention given to ecological associations of native plants in South Carolina. The cultural and economic impact of herbal and medicinal plants will be examined.

## **BIOL 207. Biogeography (4)**

(Prereq: BIOL 112 or BIOL 102 with consent of instructor) Biogeography is the study of distributions of organisms, both past and present. It is the science that attempts to describe the patterns and distribution of species and larger taxonomic groups. Lecture and laboratory experiences will complement each other in an effort to comprehensively

explore the ideas, philosophies, procedures, and techniques involved in biogeography.

## **BIOL 215. Environmental Science (3)**

(Prereq: BIOL 102, BIOL 112, CHEM 102, or PHYS 122) Designed to show the student's relationship to and dependence on the environment and to create an awareness of environmental problems. Areas of study include concepts of ecology, population, resources, pollution, problems of world hunger, and ethics. (*Alternate years*)

## **BIOL 215L. Environmental Science Lab (1)**

(Prereq: BIOL 102, BIOL 112, CHEM 102, or PHYS 122) A laboratory experience that correlates with topics covered in BIOL 215 lecture and is designed to show the student's relationship to and dependence on the environment. Experimentation, field monitoring, field trips to selected sites, videos, and lectures will bring the student first-hand knowledge and awareness of environmental problems and solutions. This lab is a supplement to BIOL 215 and is required of a major taking BIOL 215 but optional for nonmajors. (*Alternate years*)

## **BIOL 216. Introduction to Marine Biology and Oceanography (4)**

(Prereq: BIOL 112 or BIOL 102 with consent of instructor) A study of the biological, geological, chemical, and physical aspects of the oceans. Topics studied involve history of oceanography, geology of oceans and ocean basins, chemical and physical aspects, waves and tide, ocean currents

and coastal oceanography, major marine phyla, marine algae, and marine ecology.

## **BIOL 314. Ecology (4)**

(3 hrs lecture, 3 hrs lab weekly; prereq: BIOL 112 or BIOL 102 with consent of instructor) A study of the interrelationships of plants and animals in their physical and biological environments. Structure and dynamics of the major ecosystems, with emphasis on individual behavior, populations and communities. Lab and field work includes studies of natural and polluted systems. (*Alternate years*)

## **ECON 306. Environmental Economics (3)**

(Prereq: ECON 202) This course is a study of the application of economic concepts to private and public sector decision-making concerning natural and environmental resources. Topics include benefit-costing analysis, intergenerational equity, externalities, public goods, property rights, valuation of environmental goods, and policy implications.

## **PHIL 317. Environmental Ethics (3)**

What matters? Why does it matter? And what should we do about it? This course will survey the challenges that environmental concerns present to traditional ethical theory and practice. In particular, we will explore the relation of human and non-human value, as environmental issues (such as global warming and species extinction) intersect with human problems (such as poverty, population growth, and economic development). (*Alternate years*)

# FILM STUDIES

Professor, Chad Helms, Director  
 Professor Terry Barr  
 Professor Connie Colwell  
 Professor Mark Cox  
 Professor Dean Thompson  
 Associate Professor Karen Kingsbury  
 Assistant Professor Julie Meadows  
 Assistant Professor Clinia M. Saffi

## Requirements for the Minor in Film Studies

18 hours are required for the minor in film studies, including ENGL/FILM/THEA 210 and five other courses from the following: ENGL 323, ENGL 320, ENGL 341, ENGL 343, FREN 322, GERM 420, HIST 392, HIST 397, ART 300, PORT 324, and SPAN 318.

### FILM 210. Introduction to World Cinema (3)

(Crosslisted with ENG 210 and THEA 210) A survey of the important genres, theories, techniques, and international movements of film history. Representative films from the silent era to the present, and from America to Europe and Asia, will be covered. (*Alternate years*)

### ART 300. Media and Society (3)

(Prereq: ENGL 110-111 or equivalent and consent of instructor) A course dealing with media history, uses, and values. It will consider such media as newspapers, magazines, radio, television, recordings, motion pictures, theatre, music, and the arts in regard to how they affect society and the individual. Students will investigate these media and the social, economic, and historical milieu from which they emerge as well as the aesthetic and ethical values attributed to them. The course will use non-traditional approaches to the subject matter, and active participation by the students will be an essential element of the course. Enrollment limited. Students will be selected by GPA and faculty interview.

### SPAN 318. Political Violence and Culture in Latin America (3)

The Twentieth Century saw Latin America preoccupied by the struggle over socialism and communism. This course will examine cultural representations of this struggle through film and short stories. Films will have subtitles and short stories will be available in English and Spanish. Students will be able to receive credit for the course in English (ENGL 318) or Spanish (SPAN 318).

### ENGL 320. Silent Film (3)

A survey of film's formative years, from the Edison kinetoscopes of the 1890s to the international flowering of the 1920s, focusing on thematic trends, development of genres, and increasing complexity of film grammar. Directors whose works we will study will include Griffith, Eisenstein, Vidor, Lang, Chaplin, Murnau, Gance, and von Sternberg. (*Alternate years*)

### ENGL 323. Film and American Culture (3)

(Prereq: ENGL 110-111) A study of the way in which social, political, economic, and cultural forces in America have influenced or been depicted by or in American film.

Selected directors whose films will be viewed include Griffith, Chaplin, Hitchcock, Altman, Levinson, Tarantino, and others. Only one course 211 or 323 may count toward the major. (*Alternate years*)

### PORT 324. Contemporary Brazilian Film (3)

(Crosslisted with SPAN 324) This course focuses on the development of Brazilian film from precursors of the "Cinema Novo" movement of the 1950s and 1960s to the recent resurgence in Brazilian cinematography since the late 1990s.

### FREN 322. Introduction to French Cinema (3)

A survey of the history of French cinema from the silent era to the present day. Important genres, theories, and techniques from all periods will be covered. Emphasis will be placed on the most representative French cinematographic schools and *auteurs* throughout history, including Truffaut and the *nouvelle vague* and Malle and the *cinéma engagé*.

**ENGL 341. Postcolonial Literature and Film (3)**

This course investigates the theory and practice of cultural production (focusing on literature and film) in regions of the world that, in the mid-20th century, gained political independence after years of colonial rule. Selections will be made from theorists like Fanon, Said, Spivak, Chow, and Bhabha; and from films and literature from Africa, Asia, Latin America, and the Caribbean. (Alternate years)

**FILM 343. Modern Chinese Literature and Film (3)**

(Prereq: ENGL 110-111; crosslisted with ENGL 343) This course surveys the major developments in 20th century Chinese literature and film, starting in the Republican era, then moving through the Maoist years to the cultural resurgence that has followed. Primary focus is on social landscapes, the cultural imaginary, and the depiction of ordinary people's lives. (Alternate years)

**LAST 350. Latin American Cinema (3)**

(Prereq: SPAN 300 or permission of the instructor; crosslisted with SPAN 350) This course focuses on the development of Latin American film in the major filmmaking countries: Brazil, Mexico, Argentina, and Cuba. The course explores the nature of film itself, contextualizing cinematic production with historic, social, and aesthetic tensions in the construction of Latin American identity.

**HIST 392. Family and Gender in Chinese History (3)**

This course explores the familial and gender roles that have dominated Chinese society since traditional times. Consideration will be given to the historical influence of Confucianism, and primary emphasis will be placed on the 20<sup>th</sup> century intellectuals who have sought to reform these traditionally conservative elements of Chinese society.

**HIST 397. Violence and Terror in Modern History (3)**

This course will pursue a comparative examination of violence and terror in modern history. The class will explore the use of violence and terror in modern conflicts as well as the means through which marginal political and religious groups (Irish Republican Army, PLO, and al Qaeda) have used violence and terror to call attention to their respective causes.

**GERM 420. German Film and Society (3)**

(Prereq: GERM 302 or consent of instructor) This course will study a representative selection of German-language films from the early 20th century up to recent works. They will be discussed in connection with the contemporary social and political developments in the German-speaking countries. (Every three years)

# FINE ART

Associate Professor Ralph Paquin  
 Professor Lesley Preston  
 Professor Mark R. Anderson  
 Associate Professor Laura J. Crary  
 Associate Professor Miriam Ragland  
 Assistant Professor Cristian C Bell

## Major in Fine Arts with an Art Emphasis:

The major in fine arts with an art emphasis requires 22 semester hours in art (ART - list below) above the 101 level plus nine semester hours elected from theatre (THEA - page 132) above the 120 level. In addition, each major must comply with the departmental portfolio review policy and present an independently produced work in the senior year.

## Art (ART)

Full descriptions listing on pg 46

- |  |  |
|--|--|
| 110. Basic Drawing (2)                         | 273. Photography II Studio (1)                       |
| 111. Basic Drawing Studio (1)                  | 280. Art for the Child (3)                           |
| 120. Basic 2-D Design (2)                      | 282. School Art (3)                                  |
| 121. Basic 2-D Design Studio (1)               | 291. The Expressive Process: The Open Studio (3)     |
| 122. 3-D Design (3)                            | 292 Expressive Process: Art Therapy (3)              |
| 123. 3-D Design Studio (1)                     | 300. Media and Society (3)                           |
| 220. Graphic Design (2)                        | 307. 3D Modeling and Animation (4)                   |
| 221. Graphic Design Studio (1)                 | 308. Graphics Programming and Animation (3)          |
| 230. Painting I (2)                            | 310. Life Drawing (2)                                |
| 231. Painting I Studio (1)                     | 311. Life Drawing Studio (1)                         |
| 232. Watercolor (2)                            | 320-321. Graphic Design II and Studio (3)            |
| 233. Watercolor Studio (1)                     | 322. Aesthetics (3)                                  |
| 234. Landscape Painting (2)                    | 336. Advanced Painting (2)                           |
| 235. Landscape Painting Studio (1)             | 337. Advanced Painting Studio (1)                    |
| 240. Sculpture (2)                             | 352. Renaissance and Baroque Art History (3)         |
| 241. Sculpture Studio (1)                      | 353. Romantic and Early Modern Art History (3)       |
| 242. Ceramics I (2)                            | 354. Late Modern and Contemporary<br>Art History (3) |
| 243. Ceramics I Studio (1)                     | 355. Modern Art Theory and Criticism (3)             |
| 244. Ceramics II (2)                           | 370. Photographic Arts (3)                           |
| 245. Ceramics II Studio (1)                    | 371. Web Design (3)                                  |
| 251. Art History Survey I (3)                  | 391. Junior Project (3)                              |
| 255. Art History Survey II (3)                 | 392. Junior Seminar (3)                              |
| 256. Topics in Latin American Art (3)          | 398. Honors Research (3-6).                          |
| 257. History of Women in Art (3)               | 442. Directed Studies (1-6).                         |
| 258. Special Topics (1-6).                     | 444. Internships.                                    |
| 260. Printmaking I (2)                         | 446. Readings.                                       |
| 261. Printmaking I Studio (1)                  | 448. Research.                                       |
| 262. Printmaking II: Screenprinting (2)        | 450. Seminar.  |
| 263. Printmaking II: Screenprinting Studio (1) | 452. Special Projects.                               |
| 270. Photography I (2)                         | 458. Special Topics.                                 |
| 271. Photography I Studio (1)                  | 491. Senior Seminar (3)                              |
| 272. Photography II (2)                        | 492. Senior Show (3)                                 |



### **Major in Fine Arts with a Theatre Emphasis:**

The major in fine arts with a theatre emphasis requires 24 semester hours in theatre to include THEA 120, 220, 221, 223, 227, 401, and two additional theatre courses numbered 200 and above plus nine hours in art (ART page 46) and/or music (MUSE page 100). With permission of the departmental advisor, other theatre courses may be substituted for one or two of the designated courses if, in the opinion of both student and advisor, the substituted courses would be in the best interest of the student. Students who major in fine arts with a theatre emphasis are also required to complete 40 hours of production work per semester for two semesters.

### **Theatre (THEA)**

Full descriptions listing starting on page 132

- 210. Introduction to Theatre (3)
- 210. Introduction to World Cinema (3)
- 220. Theatre History I (3)
- 221. Theatre History II (3)
- 223. Fundamentals of Acting (3)
- 224. Movement Styles (3)
- 227. Introduction to Scenography (3)
- 258. Special Topics (1-6).
- 290. Theatre Production Laboratory (1 each sem)
- 321. Period Style for the Theatre (3)
- 322. Aesthetics (3)
- 323. Acting II (3)
- 324. Ballet I (3)
- 325. Modern Dance I (3)
- 326. Dance Ensemble (1)
- 327. Scenography Studio: Set Design (3)
- 328. Scenography Studio: Lighting Design (3)
- 329. Scenography Studio: Costume Design (3)
- 340. Scenic Art (3)
- 350. Shakespeare (3)
- 356. Modern and Contemporary Drama (3)
- 356. Junior Capstone (1)
- 398. Honors Research (3-6).
- 401. Play Directing (3)
- 442. Directed Study (1-6).
- 444. Internships in Theatre (1-6).
- 448. Research.
- 450. Seminar.
- 452. Special Projects (3-6).
- 458. Special Topics.
- 460. Capstone Experience (2)

# FRESHMAN STUDIES

Freshman studies courses are taken in fulfillment of the Freshman Experience requirement in the general education program. See page 19.

## **Freshman Studies (FRST)**

### **105. Freshman Seminar (1)**

An interdisciplinary course designed specifically for freshman and new students to emphasize critical thinking, communication, and small group experiences. Topics will vary from semester to semester but may include such subjects as The Creation, music, terrorism, consciousness, etc.

### **110. Introduction to Inquiry (3)**

A team-taught interdisciplinary course designed specifically for freshman and new students to emphasize critical thinking, communication, and small group experiences. Topics will vary from semester to semester but may include subjects of interest in the areas of sociology, art, history, etc. Faculty will serve as initial academic advisor to students in the course.

# HISTORY

Professor Richard R. Heiser, Chair  
Professor Anita O. Gustafson  
Associate Professor Roy B. Campbell  
Associate Professor Michael A. Nelson  
Assistant Professor Brett M. Bebber  
Assistant Professor Stefan W. Wiecki

## Requirements for the Major and Minor in History

Students majoring in history must complete 30 hours in history above HIST 121 and 122. Required courses include HIST 211-212, one course in area studies (HIST 380, 382, 383, 384, 386, 389, 390, 392, or 397), and one seminar course (HIST 450) to be taken during the junior or senior year. The student will consult with the advisor in the selection of elective courses to complete the major in history.

Students minoring in history must complete 18 hours in history above HIST 121 and 122. Courses to complete the minor may be selected from any HIST 200-, 300- or 400-level courses.

## Requirements for Certification to Teach High School Social Studies

Students who want to be certified to teach social studies in the high-school setting must meet the requirements for the major in history plus the following courses: ECON 201 or 202; EDUC 201, 391, 392, 393; EDSD 301, 302, 371, 400, 401, 402, 403; GEOG 301; HIST 377 or 378; PLSC 201 or 202; PSYC 201 or 213; SOC 201 or 207; EDMS 350; 4 History electives and one History course from the following 380, 382, 383, 384, 386, 389, 390, 392, 397. Students must complete all courses required for teacher certification and meet the criteria for acceptance into the Teacher Acceptance Program. See Teacher Education and Certification on pages 33 and 87 for more information.

## History (HIST)

### Survey Courses

#### 121. Rise of World Cultures and Ideas (3)

A study of the emergence and development of great ideas and cultures in the ancient and medieval worlds.

#### 122. The Modern World (3)

A study of human history and the development of modern civilizations, focusing on the major economic, diplomatic, military, political, religious, and social components of human activity since 1500.

#### 211-212. American History (3 each sem)

Required of history majors. An account of the political, economic, military, diplomatic, and social development of the United States from the founding of the colonies to the present.

#### 252. Encounters Afar (2)

Offered during the spring semester, this course involves students in an intensive study of a particular city's or region's history. The course culminates in a one-week study tour of the designated locale during Spring Break. (*Extra fees for travel may apply.*)

#### 258. Special Topics (3-6). See page 24.

### American Chronological Courses

#### 321. History of Colonial and Revolutionary America, 1600-1800 (3)

A study of American social and political history including early European settlement in North America, issues leading up to the American Revolution, and the establishment of the new nation.

#### 322. Young America, 1800-1865 (3)

A study of the issues confronting a new nation, including the rise of democracy, the exploration of the frontier and westward expansion, slavery and the South, benevolence and reform, and sectionalism and the Civil War.

#### 323. Emergence of Modern America, 1865-1920 (3)

A study of the evolution of the United States from Reconstruction to the end of the First World War, selected through readings.

#### 324. Modern America, 1920-Present (3)

A study of the development of the United States from the end of the First World War to present day, selected through readings.

## Focused Courses

### 333. American Military History (3)

A survey of the military history of the United States from its European backgrounds to the contemporary age. Special attention will be given to the Revolutionary War, Civil War, World Wars I and II, Korean War, and Vietnam War.

### 334. Women in American History (3)

This course will introduce students to major themes in American women's history. It will examine the lives of women as workers, as family members, and as active participants in the public arenas of voluntary association and political activism. It will further explore the diversity of women's experiences in terms of race, religion, class, and ethnic identity while also touching on the lives of specific notable women in American history.

### 336. United States Diplomatic History (3)

A survey of American foreign relations from 1890 to the present. Particular emphasis is given to America's emergence as a global power and the Cold War.

### 337. History of the South (3)

A survey of the history and culture of the South from the period of early settlement to the present. Special attention will be given to the Old South, the institution of slavery, the Civil War and Reconstruction, the New South, the Civil Rights movement, and the South in the Modern Era.

## Religious History Courses

### 355. Religion in America (3)

(Crosslisted with RELG 355) A survey of the American religious experience from colonial times to the present, with particular emphasis on the

interaction of religion and American life. This course provides depth to the religious and social facets of American history. For history majors and minors who prefer to study American history, this course offers a desirable elective.

### 356. The African-American Religious Experience (3)

(Crosslisted with RELG 356) An examination of the African-American contribution to the religious life of the American people from the period of slavery to the present. Particular emphasis on the relationship of African-American religion to American history and culture.

### 357. History of Christianity (3)

(Crosslisted with RELG 357) A historical survey of Christianity from its beginnings to the present. Particular emphasis on the development of Christian thought and its expression in the church.

## European Focused Courses

### 361. English History to 1688 (3)

A survey of English history from pre-Roman Celtic times to the Glorious Revolution of 1688. Special emphasis is placed on the cultural, religious, and political development of the kingdom.

### 362. English History Since 1689 (3)

The development of the United Kingdom and the British Empire since 1689. Areas of particular emphasis are the expanding empire, Victorianism, imperialism, and the cultural, religious, and political contributions of the kingdom.

### 366. Modern Russia (3)

A study of Imperial and Soviet Russia. Concentration will be upon the 19th and 20th centuries, with emphasis on tsarist autocracy, emerging revolutionary movements, the Bolshevik Revolution, and Soviet Union to its dissolution in 1999.

### 367. Modern Germany (3)

A study of developments in German history in the 19th and 20th centuries with emphasis on nationalism, unification, Bismarckian and Wilhelminian Germany, World War I, Nazi Germany, and World War II, and the Cold War to German reunion in 1990.

### 368. History of Scotland (3)

A survey of the history of Scotland from earliest times to the 18th century. Principle themes of the study include how the Scottish interacted with the greater European world and in particular with England and how the Christian tradition developed culminating in the Presbyterian Church.

### 369. History of Ireland (3)

A survey of the history of Ireland from the age of St. Patrick to the struggle for independence. Principle themes of the course include religion and culture, colonization and national identity, and crisis and immigration.

## European Chronological Courses

### 371. Ancient Western Civilization (3)

A survey of the political, social, economic, and intellectual development of ancient Western civilizations from c. 3500 B.C. to c. 500 A.D. Emphasis is placed on the contributions of Greco-Roman civilization to the West.

### 372. Early Medieval Europe (3)

A survey of the rise of Europe as a center of civilization from the late Roman period to c. 1300 A.D. with special attention given to the development of governmental and religious institutions as shapers of Western civilization.

### 373. Late Medieval and Renaissance Europe (3)

A survey of the closing centuries of Europe's medieval period, c. 1300 to 1500. Attention will be directed

to the crises of the late Middle Ages, the cultural revitalization of the Renaissance, and the beginning of Europe's global dominance through overseas exploration and colonization.

### **374. Early Modern Europe (3)**

A study of Europe from c. 1475 to c. 1675 and its shift from its medieval past into the modern era. Among the topics of study will be the rise of new monarchies, the Reformation and the Scientific Revolution.

### **376. Enlightenment Europe (3)**

A study of the political and intellectual trends of Europe from the English Glorious Revolution through the French Revolution. Also considered are the effects of these trends on religion, economy, society, and the arts.

### **377. 19th Century Europe (3)**

An examination of European society, its institutions and movements, and its accomplishments from 1815-1914. Special emphasis is placed on such topics as Nationalism, Social Darwinism, and Imperialism, especially in Great Britain, France, and Germany.

### **378. 20th Century Europe (3)**

Europe from World War I to the present. The focal point of the course is the destruction of the old European systems by WWI and the various efforts to replace those systems. Special attention is given to Germany, Italy, and Western Democracies.

## **Area Studies**

### **380. Early Russia (3)**

A study of Russia from ancient times through the reigns of the early Romanovs. Particular attention placed on the influence of non-European forces, such as Byzantine and Mongol, and on the development of Russian institutions and culture.

### **383. History of India (3)**

A survey of the history and culture of India from ancient times to the present with an emphasis on the basic institutions of Indian life, the influence of British colonialism, and India's experience since independence.

### **386. Middle Eastern History and Civilization (3)**

A survey of Middle Eastern History from the rise of Islam through the Iranian Revolution. This course explores the culture and history of the Islamic world with particular focus on the evolution and spread of Islam from the 7<sup>th</sup> century onward; the rich literary, artistic, and architectural heritage of the Islamic World throughout this period; and the rise of nationalism/regionalism in response to the increasing European and American presence in this region throughout the 20<sup>th</sup> century.

### **389. Traditional China (3)**

Survey of ancient and traditional China up to the impact of the West in the 19th century. After a brief coverage of pre-historic and ancient developments, particular emphasis will be given to the classical philosophies, the imperial and bureaucratic state, and to the dynastic cycles.

### **390. Modern China and East Asia (3)**

Survey of historical developments and politics of China in the 19th and 20th centuries, particularly in the period since 1949. Briefer treatment of recent histories and contemporary politics of Japan and Korea.

### **392. Family and Gender in Chinese History (3)**

This course explores the familial and gender roles that have dominated Chinese society since traditional times. Consideration will be given to the historical influence of Confucianism, and primary emphasis will be placed on the 20<sup>th</sup> century intellectuals who have sought to reform these traditionally conservative elements of Chinese society.

### **397. Violence and Terror in Modern History (3)**

This course will pursue a comparative examination of violence and terror in modern history. The class will explore the use of violence and terror in modern conflicts as well as the means through which marginal political and religious groups (Irish Republican Army, PLO, and al Qaeda) have used violence and terror to call attention to their respective causes.

**398. Honors Research (3-6).** See page 22.

**442. Directed Studies (1-6).** See page 24. Designed to allow the student to pursue a topic of special interest under the direction of a history department professor. The scope of the project and the hours to be earned will be determined in consultation with the supervising professor. A maximum of six-hours credit may be earned in directed study.

**444. Internships.** See page 24.

**446. Reading.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24. (Students admitted on approval of department; designed for junior and senior history majors) Readings, discussion, and oral and written reports on a topic selected by the department faculty.

**452. Special Projects (3-6).** See page 24. (Students admitted on approval of department; designed for junior and senior history majors) This course is designed for the spring and/or summer semesters and will normally involve student participation in an off-campus project.

**458. Special Topics.** See page 24.

## Geography (GEOG)

### **301. Geography of the Developed World (3)**

A survey of the technologically advanced nations emphasizing the resources, cultural characteristics, and economic activities of each region.

*(Alternate years)*

### **302. Geography of the Less Developed World (3)**

A regional survey of the less technologically advanced nations emphasizing the problems of economic developments and socio-demographic patterns.

*(Alternate years)*

# INTERNATIONAL STUDIES

Professor Mark Cox, Director  
Professor Booker Ingram  
Professor Charles McKelvey  
Associate Professor Roy Campbell  
Associate Professor Jon Smith  
Assistant Professor Clinia M. Saffi

## Requirements for the Minor in International Studies

The minor in international studies consists of a minimum of 18 hours with 6 hours in a modern foreign language (Option IA or IB) or approved study abroad courses *and* 12 hours from either European or non-Western studies (Option IIA or IIB).

**Option IA, Modern Foreign Language:** 6 hours chosen from FREN 202, 301, 302, 391; GERM 202, 301, 302; SPAN 202, 301, 302. Other language courses beyond the general education requirement may count toward this option if approved by the advisor, the International Studies Committee, and the Provost.

**Option IB, Study Abroad:** 6 hours of overseas study, including hours in the student's major field, subject to approval by the advisor, the International Studies Committee, and the Provost.

**Option IIA, Non-Western Studies:** 12 hours from the following courses. Courses taken should include a minimum of two of the four areas of African, Asian, Latin American, or Middle Eastern studies.

- a. African Studies: HIST 382, AFST 201
- b. Asian Studies: HIST 383, 389, 390
- c. Latin American Studies: ART 256; HIST 384; LAST 335; SPAN 316, 331, 332
- d. Middle Eastern Studies: HIST 386, PLSC 387

**Option IIB, European Studies:** 12 hours from the following courses with no more than two courses in the same discipline.

- ART 352, 353, 354
- THEA 220, 221
- ENGL 305, 306, 317, 318, 324, 325, 329, 350, 361
- FREN 401, 402, 403, 404, 405, 406, 410
- GERM 321, 322
- HIST 361, 362, 366, 367, 376, 377, 378
- GEOG 301
- ENGL 345
- MUSC 360, 361
- PLSC 355, 380
- SPAN 315, 321, 322

Other courses may count toward the fulfillment of Option IIA or B if approved by the advisor, the International Studies Committee, and the Provost.

# LATIN AMERICAN STUDIES

Professor Mark Cox, Director  
Professor Booker Ingram  
Professor Jon Smith  
Assistant Professor Clinia M. Saffi

## Requirements for the Minor in Latin American Studies

Students minoring in Latin American Studies must complete 18 hours. Courses required will include the following: LAST 335, plus any five of the following: ART 256, RELG 280; SPAN 316, 318, 331, 332, 350; PLSC 370; six hours of study abroad.

## Latin American Studies (LAST)

### **LAST 335. Introduction to Latin American Studies (3)**

An interdisciplinary course that provides a general overview of the historical, political, sociological, religious, and cultural development of Latin America.

### **ART 256. Topics in Latin American Art (3)**

A survey of the art of one region or country in Latin America, such as Mesoamerican art, art of the Caribbean, South American art, Mexican art, or Brazilian art. (*Alternate years in rotation with ART 257*)

### **RELG 280. Third World Experiences and Seminar (4)**

(Prereq: consent of the instructor; maximum enrollment, 8 students) Through experimental learning, readings, discussions, participatory learning activities, writing assignments, and study of selected biblical passages, class participants will be stimulated to critical thinking in regard to their own society. The course includes a week in a Third World country and a weekend at a homeless shelter in a large metropolitan area of the United States.

### **SPAN 316. Latin American Civilization (3)**

(Prereq: SPAN 202) A study of Latin American civilization from the pre-Columbian era to the present, including history, geography, politics, and artistic contributions of the society.

### **SPAN 318. Political Violence and Culture in Latin America (3)**

(Prereq: SPAN 202) The Twentieth Century saw Latin America preoccupied by the struggle over socialism and communism. This course will examine cultural representations of this struggle through film and short stories. Films will have subtitles and short stories will be available in English and Spanish. Students will be able to receive credit for the course in English or Spanish (SPAN 318).

### **SPAN 331. Survey of Spanish-American Literature I (3)**

(Prereq: SPAN 202) An introduction to various genres written from the colonial period to modernism. (*Alternate years*)

### **SPAN 332. Survey of Spanish-American Literature II (3)**

(Prereq: SPAN 202) An overview of the principal literary movements from modernism to the present.

### **PLSC 370. Third World Underdevelopment and Politics (3)**

(Prereq: PLSC 200 or SOC 201; crosslisted with SOC 370) An examination of the political, economic, and social factors that have led to the present state of underdevelopment in the Third World. Social scientific theories of underdevelopment and the role of the political system in

the process of development are analyzed. The particular cases of Central America and East Africa are examined.

### **PORT 324. Contemporary Brazilian Film (3)**

(Cross listed with SPAN 324) This course focuses on the development of Brazilian film from precursors of the "Cinema Novo" movement of the 1950s and 1960s to the recent resurgence in Brazilian cinematography since the late 1990s.

### **PLSC 458. Special Topics - (Latin American Politics: Cuba or Peru)** See page 24.

### **LAST 350. Latin American Cinema (3)**

(Prereq: SPAN 300 or permission of the instructor; crosslisted with SPAN 350) This course focuses on the development of Latin American film in the major filmmaking countries: Brazil, Mexico, Argentina, and Cuba. The course explores the nature of film itself, contextualizing cinematic production with historic, social, and aesthetic tensions in the construction of Latin American identity.



# MATHEMATICS

Professor Brian D. Beasley, Chair  
Professor Gregory D. Goeckel  
Associate Professor Douglas S. Daniel  
Associate Professor C. Clinton Harshaw  
Associate Professor Kara L. Shavo

## Requirements for the Major and Minor in Mathematics

Students who wish to major in mathematics should select an option based on their plans after graduation as follows:

For students who wish to prepare for graduate school or to pursue a mathematically oriented professional career, the following courses are required: MATH 201, 202\*, 221\*, 301, 302, 305, 307, 309, 311 or 401, 313, 314, 405, 406, 440; CSC 241 or 250.

For students who wish to combine a strong background in mathematics with in-depth study in another area, the following courses are required: MATH 201, 202\*, 221\*, 301, 302, 305 or 350, 307, 311, 401, 440, and one mathematics elective numbered 300 or higher; MATH 210 or STAT 319; CSC 241 or 250; the minor (or major) in one of the natural or social sciences, namely accounting, biology, business administration, chemistry, computer science, economics, physics, political science, psychology, or sociology.

For students who want to be certified to teach mathematics in the high school setting, the following courses are required for the major in mathematics: MATH 108, 201, 202\*, 208, 221\*, 301, 302, 307, 309, 313, 441; EDMS 350; and MATH 210. Students should complete all other courses required for teacher certification and meet the criteria for acceptance into the Teacher Education Program. See Teacher Education and Certification on pages 33 and 87 for more information. Candidates are highly encouraged to consult with their faculty advisor in the Department of Mathematics within their freshman year.

\*Math majors must make a grade of “C” or better in MATH 202 and 221.

Students minoring in math must take MATH 201, 202, 221, 301, and 2 additional 3-hour math courses numbered 300 or higher.

It is crucial that prospective Middle School Education majors planning a concentration in math take MATH 201 and MATH 221 no later than their Sophomore year. Please see page 67 for more details.

## Mathematics (MATH)

### 105. College Algebra (3)

(Offered on a pass/fail basis only; does not satisfy the general education requirement in mathematics) A basic review of algebra designed to prepare students for more advanced courses. This course is reserved for students who have struggled with algebra in high school. Topics include equations and inequalities, the function concept, inverse functions, graphs of functions, polynomial and

rational functions, and exponential and logarithmic functions. Students who have received credit for a math course beyond MATH 105 may not take this course.

### 108. Finite Mathematics (3)

A study of selected topics from finite mathematics: finance (including annuities), systems of equations, applications of matrices, counting

methods, elementary set theory, and basic probability and statistics.

### 110. Mathematics for the Liberal Arts (3)

This course will provide a survey of mathematics emphasizing problem-solving, critical thinking, and quantitative reasoning. Topics will vary and will be chosen by the instructor. The focus will be on mathematics as encountered in the

world and the connections between mathematics and the liberal arts.

### 196. Precalculus (3)

Pre-Calculus is a thorough study of topics in mathematics involving algebra and trigonometry designed to prepare students to progress into introductory calculus (Mat 201). Topics will include inverse functions, right triangle and unit circle approaches to the trigonometry, graphs of functions, inverse trigonometric functions, and trigonometric identities, solving equations, applications using the Law of Sines and Law of Cosines, and other algebraic topics.

### 201. Calculus I and Analytic Geometry (3)

(Students may not receive credit for both MATH 201 and MATH 211) The first of a four-course sequence of calculus and analytic geometry. Although topics covered in each of the four courses will vary with the textbook used, this course includes topics from analytic geometry, limits, continuity of functions, the derivative, differentiation techniques for algebraic and trigonometric functions, and applications of the derivative to graphing, maxima/minima problems, and related rates.

### 202. Calculus II (3)

(Prereq: MATH 201; math majors must make a grade of "C" or better) A continuation of MATH 201 with the definite integral; applications of the definite integral in finding areas, volumes, work, and arc length; differentiation and integration of exponential, logarithmic, and other transcendental functions; and techniques of integration, including integration by parts, substitutions, partial fractions, and tables.

### 208. Discrete Mathematics (3)

(Prereq: completion of general education requirement in mathematics) An introduction to discrete mathematics. Topics include set theory, logic, mathematical

induction, discrete functions, recurrence relations, algorithms, graph theory, and combinatorics.

### 210. Applied Statistics (3)

(Students may not receive credit for both MATH 210 and either of STAT 319 or 320.) This course is a data-oriented approach to analyzing the data by arguing from the sample to the population. Topics include numeric and graphical measures of describing data, density curves, the normal random variable, interpreting scatterplots, correlation, least squares regression, sampling, experimental design, discrete and continuous probability models, random variables, sampling distribution for counts, proportions and sample means, inference about means and proportions, analysis of two-way tables, multiple regression, one- and two-way analysis of variance, bootstrap methods, nonparametric methods, and logistic regression.

### 211. Calculus for the Social and Biological Sciences (3)

(Students may not receive credit for both MATH 201 and MATH 211) A one-semester introduction to the differential and integral calculus of algebraic, exponential, and logarithmic functions with applications in the social and biological sciences, including business and economics. This is a terminal course and does not prepare the student for MATH 202.

### 221. Transition to Advanced Mathematics (3)

(Prereq: MATH 202 or MATH 201 with consent of instructor. Math majors must make a grade of "C" or better) This course is a prerequisite for MATH 305, 307, 309, 311, 313, and 405 and is required for all math majors and minors. It is designed to prepare a student for advanced math courses and will cover concepts and techniques used in studying logic, proofs, set theory, relations, functions, and cardinality of sets.

**258. Special Topics (1-6).** See page

24.

### 301. Calculus III (3)

(Prereq: MATH 202) A continuation of MATH 201 and 202. Topics covered will include indeterminate forms, improper integrals, sequences and series, power series, conic sections, and curves given by parametric and polar equations with applications of derivatives and integrals to these curves.

### 302. Calculus IV (3)

(Prereq: MATH 202) The last course in the four-course calculus sequence. Topics are multivariate calculus, including solid analytic geometry; vectors in three dimensions; vector-valued functions, functions of several variables; partial derivatives; and multiple integrals.

### 305. Complex Variables (3)

(Prereq: MATH 221 and 302) This course is a study of the complex plane and the calculus of functions of a complex variable. Topics to be considered include the algebra and geometry of complex numbers, limits and derivatives of functions of a complex variable, the Cauchy-Riemann equations, contour integrals, Taylor and Laurent series, and residues. (*Alternate years*)

### 307. Linear Algebra (3)

(Prereq: MATH 202) A study of vector spaces, subspaces, bases, and dimension with applications to solving systems of equations. Also includes linear transformations, representation of linear transformations by matrices, eigenvalues, eigenvectors, and diagonalizing matrices.

### 309. Modern College Geometry (3)

(Prereq: MATH 202 and 221) A study of the axiomatic method, neutral geometry, plane Euclidean geometry, and plane hyperbolic geometry. (*Alternate years*)

### 311. Mathematical Statistics (3)

(Prereq: MATH 221 and 302 or MATH 221 and 301 with consent of instructor) A calculus-based

introduction to probability with some application to statistics. (*Alternate years*)

**313-314. Abstract Algebra (3 each sem)**

(Prereq: MATH 202 and 221 or consent of instructor; MATH 313 for MATH 314) These courses cover algebraic structures such as groups, subgroups, quotient groups, rings, ideals, integral domains, fields, and polynomial rings and the relationships of these structures to the number system. (*Alternate years*)

**350. Numerical Methods (3)**

(Prereq: CSC 250 or 241 and MATH 202 or consent of instructor; crosslisted with CSC 350) A study of the use of the computer to solve mathematical problems of interest to scientists and engineers. Topics include function approximation, numerical differentiation and integration, systems of linear equations, least-squares fitting, function minimization, and Monte-Carlo methods. Special emphasis is placed on using matrix methods where appropriate. Students are expected to write several programs illustrating these topics. (*Alternate years*)

**398. Honors Research (3-6).** See page 22.

**401. Differential Equations (3)**

(Prereq: MATH 302 or 301 and consent of instructor) This course includes first and second order differential equations and linear equations with constant and variable coefficients.

**405-406. Introduction to Analysis (3 each sem)**

(Prereq: MATH 221 and 302; MATH 405 for MATH 406) These courses include topics such as the real number system, the completeness property, numerical sequences and series, continuity and uniform continuity of functions, differentiation, the Riemann integral, sequences and series of functions, and metric spaces (*Alternate years*)

**440. Senior Capstone in Mathematics (3)**

(Prereq: Option I or II Senior Math Majors) A seminar for senior Option I and Option II majors, emphasizing the application of previous content to the study of new topics. The supervising faculty member(s) will facilitate students' projects, including both written and oral presentations.

**441 Senior Capstone in Teaching Mathematics (1)**

(Prereq: Option III Senior Math Majors; coreq: EDSD 400, 401, 402) The capstone for senior Option III majors will be taken in conjunction with student teaching. Students will keep a journal to reflect upon their mastery of mathematical knowledge and their understanding of teaching and learning. The supervising faculty member(s) will observe and assess the majors' content knowledge and student teaching.

**442. Directed Study in Mathematics (1 to 3).** See page 24.

Hours and credit arranged to meet the needs of the student. Open to junior and senior departmental majors by special permission. Subject matter pertaining to the student's field of interest.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

# MEDIA STUDIES

Professor Terry Barr, Director  
Professor Mark Anderson

## Requirements for the Minor in Media Studies

**Journalism Track:** 18-19 hours are required for the journalism minor in media studies, selected from: ART 300 plus 15-16 hours of journalism taken with the Washington Semester Program. (See the Associate Dean of Career Services and Student Programs or the Department of English for information on the Washington Semester Program.)

**Business Track:** 21-24 hours are required for the business minor in media studies: ACCT 203; BADM 307 and 353; ECON 201; ART 300; an internship of 3-6 hours (MDST 444); and three hours selected from ART 220-221, SPCH 201, or BADM 325.

## Media Studies (MDST)

### ACCT 203. Principles of Financial Accounting (3)

This course provides an introduction to accounting as a device for reporting business activities. The underlying principles of accounting for assets, debt, and owners' equity are studied in addition to the preparation and interpretation of financial statements.

### ART 220. Graphic Design (2)

(Prereq: ART 110 and 120 or consent of instructor; coreq: ART 221) Introduction to the foundational elements that make up good design. Special emphasis given to the creative process of visual problem solving using thumbnails, roughs, and finals. An historical overview of graphic design to provide an adequate context for student projects. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students. (Lectures, field trips, and studio applications.)

### ART 221. Graphic Design Studio (1)

(Prereq/Coreq: ART 220) An independent studio experience in graphic design. Each student will create a series of projects based on the concepts presented in ART 220. A materials fee is assessed for this course, in addition to necessary art supplies purchased by individual students.

### ART 300. Media and Society (3)

(Prereq: ENGL 110-111 or equivalent and consent of instructor) A course dealing with media history, uses, and values. It will consider such media as newspapers, magazines, radio, television, recordings, motion pictures, theatre, music, and the arts in regard to how they affect society and the individual. Students will investigate these media and the social, economic, and historical milieu from which they emerge as well as the aesthetic and ethical values attributed to them. The course will use non-traditional approaches to the subject matter, and active participation by the students will be an essential element of the course. Enrollment limited. Students will be selected by GPA and faculty interview.

### BADM 307. Marketing (3)

(Prereq: sophomore status) A general survey of marketing: consumer behavior, functions, channels, and institutions. Special emphasis on the integration of marketing fundamentals with decision-making through the use of case studies.

### BADM 325. Managerial Communication (3)

(Prereq: C or better in English 110 or 111) A case-based class in which students analyze business problems and propose persuasive solutions. Students share leadership in a seminar-style class as they strengthen

writing and speaking skills through peer-evaluated memos, letters, and reports. The course requires weekly writing assignments. Limited enrollment.

### BADM 353. Small Business Management (3)

(Prereq: ACCT 203 and ECON 201) A practical course designed to enhance the student's ability to apply fundamental managerial techniques to the operation of the small business. The focus is on developing strengths and capabilities that are unique to small companies striving for success. Topics include strategic management, entrepreneurship, forms of ownership, franchising, cash flow management, sources of funding, business plan development, and others. Students create a business plan as part of the course.

### ECON 201. Principles of Macroeconomics (3)

The study of basic concepts, national income determination, and the effects of monetary and fiscal policies.

### MDST 444. Internship in Media Studies (3-6). See page 28.

Internship in an approved media studies field: journalism or business. Students' work is closely supervised in the organization where the internship is undertaken and students are required to submit weekly written reports on their work to their faculty supervisor.

**SPCH 201. Public Speaking (3)**

An introduction to the basic principles of effective communication. Speeches assigned on various topics and constructive criticism given. Poise and skill in public presentation of speeches emphasized.

# MILITARY SCIENCE AND LEADERSHIP

Lieutenant Colonel Shane A. Baker, Chair  
 Instructor Master Sergeant Allan Larson  
 Instructor Sergeant First Class Jason L. Mayfield

## Minor in Military Science

Students minoring in military science must complete 15 semester hours in advanced military science. Participation in this minor is contingent upon completion of the ROTC basic courses or equivalent training and acceptance as a contracted student in ROTC basic courses or equivalent training and acceptance as a contracted student in the Army ROTC Advanced Course. Required courses include a military history course (300-level or above); SPCH 200, SPCH 201, CSC 201, and PLSC 201, 202, 332, PHIL 203, or PSYC 322

## Military Science (MILS)

### 101. Leadership and Personal Development (2)

(2 hrs lecture, 3 hours lab weekly). Students are introduced to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession. (No military obligation incurred for non-contracted students.)

### 102. Introduction to Tactical Leadership (2)

(2 hrs lecture, 3 hours lab weekly). Gives an overview of leadership fundamentals such as setting direction, problem solving, listening, presenting briefs, providing feedback, and using effective writing skills. Cadets explore dimensions of leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises. Introduces small unit tactics and techniques. (No military obligation incurred for non-contracted students.)

### 105. Accelerated Foundation of Leadership (3-4)

(Offered by exception only and with consent of instructor). This course merges MILS 101 and 102 into an accelerated class. Military obligation is incurred due to linkage to follow-on courses and commissioning.

### 201. Innovative Team Leadership (2)

(2 hrs lecture, 3 hours lab weekly). Explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and historical leadership theories that form the basis of the Army leadership framework. Cadets practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises. (No military obligation incurred for non-contracted students.)

### 202. Foundations of Tactical Leadership (2)

(2 hrs lecture, 3 hours lab weekly). Examines the challenges of leading tactical teams in the complex contemporary operating environment. This course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations. (No military obligation incurred for non-contracted students.)

### 205. Accelerated Leadership and Teamwork (3-4)

(Offered by exception only and with consent of instructor). This course merges MILS 201 and 202 into an accelerated class. Military obligation is incurred due to linkage to follow-on courses and commissioning.

### 250. ROTC Leadership Training Course (6-8)

(Requires approval of Professor of Military Science; Pass/Fail) Summer training at Fort Knox, Kentucky that introduces students to Army training. Enrollment is open to students with no more than 3 semesters of military science completed and no prior military experience. Students must have at least 2 years remaining before graduation. This course may be taken in lieu of the basic courses. Camp graduates are eligible for enrollment in advanced military science. Travel pay and salary provided. (No military obligation incurred. Contract is optional.)

### 301. Adaptive Team Leadership (3)

(3 hrs lecture, 3 hrs lab. weekly; prereq: Basic Course or Equivalent Training Approved by Professor of Military Science). Cadets study, practice, and evaluate adaptive leadership skills as they are presented with challenging scenarios related to squad tactical operations. Cadets receive systematic and specific feedback on their leadership attributes and actions. Based on such feedback, as well as their own self-evaluations, cadets continue to develop their leadership and critical thinking abilities.

**302. Applied Team Leadership (3)**

(3 hrs lecture, 3 hrs lab. weekly; prereq: Basic Course or Equivalent Training Approved by Professor of Military Science). Cadets face increasingly intense situations in order to build awareness and apply team leadership skills in leading tactical operations at the small unit level. Cadets review aspects of combat, stability, and support operations. They also conduct military briefings and develop proficiency in the operation orders process. The focus is on exploring, evaluating, and developing skills in decision-making, influencing others, and motivating team members in the contemporary operating environment. Cadets are evaluated on what they know and do as leaders as they prepare to attend the Leader Development Assessment Course.

**401. Developing Adaptive Leaders (3)**

(3 hrs lecture, 3 hrs lab. weekly; prereq: MILS 301-302). Cadets learn the duties and responsibilities of an Army staff officer and apply the military decision making process, the Army writing style, and the Army's principles of training management during weekly training meetings to plan, execute, and assess ROTC battalion training events. Cadets study the special trust proposed to Army Officers by the U.S. Constitution and the President of the United States and how Army values and leader ethics are applied in the contemporary operating environment. Cadets learn the Army officer's role in the Uniform Code of

Military Justice, the counseling of subordinates, administrative actions, and how to manage their career as an Army Officer. Senior cadets train, mentor, and evaluate junior cadets while being mentored and evaluated by experienced ROTC cadre.

**402. Leadership in a Complex World (3)**

(3 hrs lecture, 3 hrs lab. weekly; prereq: MILS 301-302). Cadets explore the dynamics of leading in the complex military situations of the contemporary operating environment. Cadets examine the differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. Cadets also explore aspects of interacting with non-governmental organizations, civilians of the battlefield, and host nation support. This course places significant emphasis on preparing cadets for their first unit of assignment using case studies, scenarios, and exercises to prepare cadets to face complex ethical and practical demands of leading as commissioned officers in the U.S. Army.

**405. Accelerated Leadership, Management, and Officership (3)**

(Offered by exception only and with consent of Professor of Military Science) This course merges MILS 401 and 402 into an accelerated class. Military obligation is incurred.

**444. Internships.**

Offered to contracted Cadets only. Must have prior approval from the Professor of Military Science.

**446. Readings.**

Offered to contracted Cadets only. Must have prior approval from the Professor of Military Science.

**448. Research.**

Offered to contracted Cadets only. Must have prior approval from the Professor of Military Science.

**450. Seminar.**

Offered to contracted Cadets only. Must have prior approval from the Professor of Military Science.

**452. Special Projects.**

Offered to contracted Cadets only. Must have prior approval from the Professor of Military Science.

**458. Special Topics.**

Offered to contracted Cadets only. Must have prior approval from the Professor of Military Science.

# MODERN FOREIGN LANGUAGES

Professor Mark R. Cox, Chair  
Professor Constance Colwell  
Professor Chad W. Helms  
Associate Professor Patrick D. Kiley  
Associate Professor Margarita M. Ramirez  
Assistant Professor Sharon E. Knight  
Assistant Professor Clinia M. Saffi  
Visiting Instructor Louis Liu  
Visiting Instructor YingYing Wang

## **Requirements for the Major and Minor in French**

Students majoring in French must take 27 hours in French above FREN 102 or 151, including FREN 201-202, 301-302, 333, 391, 410 and at least one 400-level literature course. Although French courses taken in a study-abroad program may count toward these 27 hours, at least two courses (FREN 333 and one 400-level literature course) must be taken on campus at Presbyterian College.

Students minoring in French must take 18 hours in French above FREN 102 (or 151).

One semester or junior year of study abroad in France is recommended for all majors and minors.

## **Requirements for the Major and Minor In German**

Students majoring in German must take 27 hours in German above GERM 102, including GERM 201-202, 301-302, and at least two literature courses. German courses taken in a study abroad program may be substituted for some of the above courses, subject to approval by the department.

Students minoring in German must take 18 hours in German above GERM 102.

One semester or junior year of study abroad in Germany is recommended for all majors and minors.

## **Requirements for the Major and Minor in Spanish**

Students majoring in Spanish must take 27 hours in Spanish above SPAN 102 or 151, including SPAN 201-202, 301-302, and at least two literature courses. Spanish courses taken in a study abroad program may be substituted for some of the above courses, subject to approval by the department.

Students minoring in Spanish must take 18 hours in Spanish above SPAN 102 (or 151) are required for the minor.

One semester or junior year of study abroad in Spain is recommended for all majors and minors.

## **Requirements for Certification to Teach Spanish**

Students who want to be certified to teach Spanish in grades K-12 must meet the requirements for the major above plus SPAN 315 and/or 316 or equivalent courses in an approved study-abroad program as well as one literature course emphasizing contemporary writers. It is highly recommended that the student take courses on an approved program in a Spanish-speaking country. SPAN 343 is strongly recommended. Students must also complete all other courses required for teacher certification and meet the criteria for acceptance into the Teacher Acceptance Program. See Teacher Education and Certification on pages 33 and 87 for more information.



## Requirements for the Major in Modern Foreign Languages

Students who are majoring in modern foreign languages must take a total of 18 hours beyond the 102-level in each of the two languages.

### Chinese (CHIN)

#### 101-102. Introductory Chinese (4 each sem)

A basic course designed to develop speaking, listening, reading, and writing skills and an awareness of the Chinese culture.

#### 201-202. Intermediate Chinese (3 each sem)

A continuation of the study of the Chinese language.

#### 442. Directed Studies in Chinese (1-9). See page 24.

(Prereq: two years of the appropriate language) Directed independent study in Chinese on a topic approved by the department.

#### 444. Internships. See page 24.

#### 446. Readings. See page 24.

#### 448. Research. See page 24.

#### 450. Seminar. See page 24.

#### 452. Special Projects. See page 24.

#### 458. Special Topics. See page 24.

### French (FREN)

#### 101-102. Introductory French (4 each sem)

A basic course designed to develop speaking, listening, reading, and writing skills and an awareness of francophone culture.

#### 151. Accelerated Introductory French (4)

An accelerated course for students with previous study of French. Continues the development of fundamental skills with an emphasis on speaking and comprehension. (Credit cannot be received for both 151 and 102.)

#### 201-202. Intermediate French (3 each sem)

(Prereq: FREN 102 or 151 or placement test) A study of French civilization with grammar review, pronunciation, and aural comprehension practice.

#### 258. Special Topics (1-6). See page 24.

#### 301-302. Advanced French Composition and Conversation (3 each sem)

(Prereq: FREN 202 or placement test) An advanced course designed to develop oral and written proficiency in French. Continues the acquisition of language skills through discussions, oral presentations, and essays based on readings about contemporary France.

#### 322. Introduction to French Cinema (3)

(Prereq: FREN 202) A survey of the history of French cinema from the silent era to the present day. Important genres, theories, and techniques from all periods will be covered. Emphasis will be placed on the most representative French cinematographic schools and *auteurs* throughout history, including Truffaut and the *nouvelle vague* and Malle and the *cinéma engagé*.

#### 333. Introduction to Literary Appreciation (3)

(Prereq: FREN 202) An introduction to the vocabulary and techniques of literary criticism and to the nature of the main literary movements.

#### 343. French Apprenticeship (3)

(Prereq: FREN 302 and consent of the department) Students observe beginning language classes and eventually teach segments of the course and prepare audio-visual materials and tests under the close supervision of the first-year teacher.

#### 391. Advanced Grammar and Phonetics (3)

(Prereq: 3 hrs at 300 level) A study of French grammar, syntax, and phonetics designed to address the difficulties encountered by the advanced students seeking to perfect their mastery of the language. (*Alternate years*)

#### 398. Honors Research (3-6). See page 24..

#### 401. French Literature before 1600 (3)

(Prereq: FREN 333) A survey of French literature in the Middle Ages and the Renaissance. (*Alternate years*)

#### 402. Seventeenth Century French Literature (3)

(Prereq: FREN 333) An examination of French classicism and the relationship of literature to painting, architecture and music. (*Alternate years*)

#### 403. Eighteenth Century French Literature (3)

(Prereq: FREN 333) The history of the Enlightenment in France through the works of Montesquieu, Voltaire, Diderot, Rousseau and Beaumarchais. (*Alternate years*)

#### 404. Nineteenth Century French Literature (3)

(Prereq: FREN 333) A study of the major literary movements in France during the 19th century including romanticism, realism, symbolism, and naturalism. (*Alternate years*)

#### 405. Contemporary French Drama and Poetry (3)

(Prereq: FREN 333) A survey of representative modern French poetry and theatre. (*Alternate years*)

**406. French Novel: Twentieth Century (3)**  
(Prereq: FREN 333) A study of major authors and new developments in the novel during the 20th century. (*Alternate years*)

**410. French Civilization (3)**  
(Prereq: 3 hrs at 300 level) A study of French civilization from prehistoric times to the present with emphasis on geography, history, social structure, and artistic contributions of the society. (*Alternate years*)

**442. Directed Study in French (3-9).**  
See page 24.  
(Open to French majors who have completed FREN 301-302, 333 and at least six additional hours beyond FREN 202) Readings and research on a topic approved by the department.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics in French (1-6).**  
See page 24.  
(Prereq: FREN 202) Directed independent studies in areas of French civilization or foreign language teaching methods on topics approved by the department.

## German (GERM)

**101-102. Introductory German (4 each sem)**  
A basic course designed to develop speaking, listening, reading, and writing skills and an awareness of German culture.

**201-202. Intermediate German (3 each sem)**  
(Prereq: GERM 102 or placement test) A continuation of GERM 101-102 with increased emphasis on German civilization, aural comprehension, and conversation.

**258. Special Topics (1-6).** See page 24.

### **301-302. Advanced German Composition and Conversation (3 each sem)**

(Prereq: GERM 202 or placement exam) An advanced course designed to develop skills in oral and written communication in German. Discussions, oral presentations, and essays based on contemporary texts and tapes.

**321. Survey of German Literature I (3)**  
(Prereq: GERM 302 or consent of the instructor) A study of representative German dramas and novellas of the 18th and 19th centuries. (*Every three years*)

**322. Survey of German Literature II (3)**  
(Prereq: GERM 302 or consent of instructor) A study of representative German prose works of the 20th century. (*Every three years*)

**343. German Apprenticeship (3)**  
(Prereq: GERM 302 and consent of the department) Students observe beginning language classes and eventually teach segments of the course and prepare audio-visual materials and tests under the close supervision of the first-year teacher.

**398. Honors Research (3-6).** See page 22.

**405. German on the Internet (3)**  
(Prereq: GERM 302 or consent of instructor) This course will explore and contrast various German-language media, both popular and legitimate, and develop critical insight into their treatment of topics such as politics, business, sports, popular culture, and general culture. (*Every three years*)

**410. German Civilization (3)**  
(Prereq: GERM 302 or consent of instructor) A study of German civilization including geography, history, social structure, and cultural life. (*Every three years*)

**420. German Film and Society (3)**  
(Prereq: GERM 302 or consent of instructor) This course will study a representative selection of German-language films from the early 20th century up to recent works. They will be discussed in connection with the contemporary social and political developments in the German-speaking countries. (*Every three years*)

**440. German Literature Capstone (3)**  
(Prereq: GERM 302 or consent of instructor) This course will study several major German-language literary works from different historical periods, focusing on the development of language, form, and themes in the historical context. (*Every three years*)

**442. Directed Studies in German (3-9).**  
See page 24.  
(Prereq: GERM 302) Open to students planning to major in German who will complete their major with a junior year abroad or for students taking German as the second foreign language for a modern foreign languages major.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics in German (1-6).**  
See page 24.  
(Prereq: GERM 302) Directed independent study on a topic approved by the department.

## Spanish (SPAN)

**101-102. Introductory Spanish (4 each sem)**  
A basic course designed to develop speaking, listening, reading, and writing skills and an awareness of Hispanic culture.

**151. Accelerated Introductory Spanish (4)**

An accelerated course for students with previous study of Spanish. Continues the development of fundamental skills with an emphasis on speaking and comprehension. (Credit cannot be received for both 151 and 102.)

**201-202. Intermediate Spanish (3 each sem)**

(Prereq: SPAN 102, 151, or placement test) A study of Hispanic culture accompanied by a thorough review of grammar and continued oral-aural work as well as continued practice in writing.

**258. Special Topics (1-6).** See page 24.

**300. Introduction to Literary Genres (3)**

(Prereq. SPAN 202 or permission of the instructor) An introduction to the critical reading and analysis of poetry, narrative, and drama.

**301-302. Advanced Spanish Composition and Conversation (3 each sem)**

(Prereq: SPAN 202) An advanced course designed to develop skills in oral and written communication in Spanish. Discussions, oral presentations, and essays on material from Spanish magazine articles, short stories, and tapes.

**315. Spanish Civilization (3)**

(Prereq: SPAN 202) A study of Spanish civilization with emphasis on geography, history, social structure, and artistic contributions of the society.

**316. Latin American Civilization (3)**

(Prereq: SPAN 202) A study of Latin American civilization from the pre-Columbian era to the present, including history, geography, politics, and artistic contributions of the society.

**318. Political Violence and Culture in Latin America (3)**

(Prereq: SPAN 202) The Twentieth Century saw Latin America

preoccupied by the struggle over socialism and communism. This course will examine cultural representations of this struggle through film and short stories. Films will have subtitles and short stories will be available in English and Spanish. Students will be able to receive credit for the course in English or Spanish (SPAN 318).

**321. Survey of Spanish Literature I (3)**

(Prereq: SPAN 202) An introduction to Spanish literature from its beginnings through the 18th century. (*Alternate years*)

**322. Survey of Spanish Literature II (3)**

(Prereq: SPAN 202) An overview of Spanish literature of the 19th and 20th centuries. (*Alternate years*)

**324. Contemporary Brazilian Film (3)**

(Crosslisted with PORT 324) This course focuses on the development of Brazilian film from precursors of the "Cinema Novo" movement of the 1950s and 1960s to the recent resurgence in Brazilian cinematography since the late 1990s.

**331. Survey of Spanish-American Literature I (3)**

(Prereq: SPAN 202) An introduction to various genres written from the colonial period to modernism. (*Alternate years*)

**332. Survey of Spanish-American Literature II (3)**

(Prereq: SPAN 202) An overview of the principal literary movements from modernism to the present.

**333. Issues in Spain (3)**

(Prereq: SPAN 301, 300, or permission of the instructor) This seminar focuses on issues in modern Spain. Possible topics include the role of Spain in the European Union, globalism, immigration, nationalism and identity, terrorism, post-civil war generation, gender and sexuality, and the role of the Catholic Church in the 21st century. With approval of the Modern Foreign Languages Spanish faculty, this course may be taken more than once for credit.

**334. Issues in Latin America (3)**

(Prereq: SPAN 301, 300, or permission of the instructor) This seminar focuses on issues in Latin America. Possible topics include the representation and voice of Latinos/Hispanics in the United States, interventionism, exile and migration, globalism, and indigenous cultures. With approval of the Modern Foreign Languages Spanish faculty, this course may be taken more than once for credit.

**341. Business Spanish (3)**

(Prereq: SPAN 202) A course designed to perfect skills in the language and procedures used by the Hispanic business world. Includes terminology and methods used in marketing, labor relations, international commerce, and banking; practice in interpreting and writing for business use; and acquaintance with the history, geography, culture, and economic status of the Spanish-speaking nations.

**343. Spanish Apprenticeship (3)**

(Prereq: SPAN 202 and consent of the department) Students observe beginning language classes and eventually teach segments of the course and prepare audio-visual materials and tests under the close supervision of the first-year teacher.

**350. Latin American Cinema (3)**

(Prereq: SPAN 300 or permission of the instructor; crosslisted LAST 350) This course focuses on the development of Latin American film in the major filmmaking countries: Brazil, Mexico, Argentina, and Cuba. The course explores the nature of film itself, contextualizing cinematic production with historic, social, and aesthetic tensions in the construction of Latin American identity.

**398. Honors Research (3-6).** See page 22.

**442. Directed Studies in Spanish (3-9).** See page 24.  
(Prereq: SPAN 202) Open to students planning to major in Spanish who will complete their major with a junior year abroad or for students taking Spanish as the second foreign language for a modern foreign languages major; readings and research on a topic approved by the department.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics in Spanish (1-6).** See page 24.  
(Prereq: SPAN 202) Directed independent study on a topic approved by the department.

## Portuguese (PORT)

### 101-102. Introductory Portuguese (4 each sem)

A basic course designed to develop speaking, listening, reading, and writing skills and an awareness of Luso-Brazilian culture. (*Alternate years*)

### 151. Accelerated Introductory Portuguese (4)

An accelerated course for students with previous study of a Romance language, especially Spanish. Continues the development of fundamental skills with an emphasis on speaking and comprehension.

### 201-202. Intermediate Portuguese (3 each sem)

(Prereq: PORT 102 or placement test)  
A study of Luso-Brazilian culture accompanied by a thorough review of grammar and continued oral-aural work as well as continued practice in writing. (*Alternate years*)

**324. Contemporary Brazilian Film (3)**  
(Crosslisted with SPAN 324) This course focuses on the development of Brazilian film from precursors of the "Cinema Novo" movement of the 1950s and 1960s to the recent resurgence in Brazilian cinematography since the late 1990s.

**442. Directed Studies in Portuguese (1-9).** See page 24.  
(Prereq: two years of Portuguese)  
Directed independent study in Portuguese on a topic approved by the department.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

# MUSIC

Professor J. Porter Stokes, II, Chair  
Associate Professor Karen W. Buckland  
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Assistant Professor A. Christian Elser  
Assistant Professor Robert W. Howiler  
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Assistant Professor Richard B. Thomas  
Instructor Jane B. Morlan

## Requirements for the Major and Minor in Music

Students majoring in music must complete the following requirements: MUSC 103, 103L, 104, 104L, 150, 151, 201, 201L, 202, 202L, 360, 361, and 410; either 303 or 402; either 340, 341, 400, or 401; MUSA 171, 172, 271, 272, 371, 372, 471, and 472; MUSE 290, 293, or 294 each term for a total of eight terms; and a minimum of seven satisfactory terms of MUSC 199. Music majors must take at least one course in art, dance, or theatre. This course may be taken to satisfy the general education requirement or as an elective. In addition, these students must pass the second-year review, satisfy the piano proficiency requirement, and complete additional elective hours in music, applied music, or ensembles selected in consultation with a music advisor. A senior capstone project in music is required that may also satisfy the general education capstone requirements.

Students majoring in music with an emphasis in music performance must complete the following requirements: MUSC 103, 103L, 104, 104L, 150, 151, 201, 201L, 202, 202L, 360, 361, 397, 410, and 497 (senior recital/capstone); either 303 or 402; either 340, 341, 400, or 401; MUSA 171, 172, 271, 272, 381, 382, 481, and 482; MUSE 290, 293, or 294 each term for a total of eight terms; and a minimum of seven satisfactory terms of MUSC 199. Music majors must take at least one course in art, dance, or theatre. This course may be taken to satisfy the general education requirement or as an elective. In addition, these students must pass the second-year review and satisfy the piano proficiency requirement. A senior capstone project in music is required that may also satisfy the general education capstone requirements.

Students seeking the music performance emphasis in **voice** must take: MUSC 175, 176, 177, and 353 as well as a minimum of four terms of minor vocal ensembles

Students seeking the music performance emphasis in **piano/organ** must take: MUSC 203, 204, 349, and 351 as well as two terms of MUSC 313-314.

Students seeking the music performance emphasis in **brass/percussion/woodwinds/strings** must take: MUSC 309 and 310; either 303 or 402 (the course not included above); eight terms of small instrumental ensembles; and two terms of MUSC 313-314.

Students majoring in music with an emphasis in sacred music must complete the following requirements: MUSC 103, 103L, 104, 104L, 150, 151, 201, 201L, 202, 202L, 304, 305, 309, 310, 343, 360, 361, 397, 404, 410, and 444 (internship in sacred music); MUSA 171, 172, 271, 272, 371, 372, 471, and 472; MUSE 290, 293, or 294 each term for a total of eight terms; two terms of handbell ensemble; and a minimum of seven satisfactory terms of MUSC 199. Music majors must take at least one course in art, dance, or theatre. This course may be taken to satisfy the general education requirement or as an elective. In addition, these students must pass the second-year review, satisfy the piano proficiency requirement, take RELG 302, and complete a senior capstone course in music that may also satisfy the general education capstone requirements.

Students seeking the sacred music emphasis in **piano/organ** are also encouraged to take MUSC 175, 203, 204, 316, and 318.

Students seeking the sacred music emphasis in **vocal/choral** are encouraged to take MUSC 175, 318, and 353.

Students minoring in music must take 20 hours in music including MUSC 102, 103, 103L, 104, 104L; MUSA 100 in the primary applied instrument/voice for four semesters; major ensembles (MUSE 290, 293, or 294) for four terms; MUSC 199 for no fewer than four satisfactory terms or as many terms as the student is registered for any music class; and additional hours in consultation with a music advisor.

All music majors must achieve demonstrated competence at an advanced level of technique and performance in at least one applied area. In most cases and in order to meet this requirement, students should study the same instrument/voice for four years. All music students must have a music dictionary during MUSC 150 if they do not already own one. Music dictionaries are available through the PC Campus Bookstore.

### **Additional Requirements of Music Majors**

**Diagnostic Exams:** Diagnostic exams are administered in music theory, music history, performance, and keyboard skills.

**Piano Proficiency:** All music students must take a keyboard diagnostic exam before beginning piano study. After assignment to class or private instruction, students should seek to satisfy the piano proficiency requirements no later than the end of the sophomore year. All music majors must satisfy piano proficiency requirements in order to graduate.

**Proficiency in Music Technology and Eartraining/Sightsinging:** Proficiency in these two areas currently reside within the music theory sequence (MUSC 103-103L through 202-202L) and upper division music theory (MUSC 303, 402, and 410).

### **Requirements for Certification to Teach Music**

Students who want to be certified to teach music in grades K-12 must meet the following requirements for the B.S. in music education: MUSC 103, 103L, 104, 104L, 150, 151, 201, 201L, 202, 202L, 309, 310, 330, 331, 360, 361, 402, and 410; seven terms of MUSA 100; MUSE 290, 293, or 294 each term for a total of seven terms; a minimum of seven satisfactory terms of MUSC 199. Music majors must take at least one course in art, dance, or theatre. This course may be taken to satisfy the general education requirement or as an elective. In addition, these students must pass the second-year review and satisfy the piano proficiency requirement that may also satisfy the general education capstone requirements.

Students must also complete MUSA 171, 172, 271, 272, 371, 372, and 471. For vocal/choral majors, the primary instrument must be voice or piano/organ. If voice, the piano becomes the secondary. If piano/organ, then voice becomes the secondary. For either, one semester of guitar is also required. For instrumental majors, the primary instrument will be chosen from woodwind, string, brass, or percussion. Instrumental majors must take MUSC 313 A&B, 314 A&B to provide a basic performing competency, exposure to methodologies and pedagogies, and teaching experience in all classes of instruments.

Students seeking the B.S. in music education must also complete seven terms of minor ensembles. Vocal/choral majors must include two terms of instrumental ensembles while instrumental majors must include two terms of choral ensemble. Instrumental majors may substitute class or applied voice.

For teacher certification, students must complete EDUC 201, 371, 391, 392, and 393; EDMS 342; PSYC 212 and 213; and appropriate directed teaching courses for the early childhood; middle school; or secondary education level as well as meet the criteria for acceptance into the Teacher Education Program. See Teacher Education and Certification on pages 33 and 87 for more information.

## Music (MUSC)

### 100. Fundamentals of Music (3)

Elements and concepts of music including notation, scales, rhythm, keyboard use, eartraining, and sightsinging.

### 101. Piano Class for Non-Majors (1)

(Maybe repeated one time) Beginning piano class. Practical instruction in the fundamental techniques of piano playing.

### 102. Music Appreciation (3)

An introduction to art music with illustrations of various types and forms. Open to all students and required for those seeking teaching certificates.

### 103. Beginning Harmony I (3)

(Prereq: Consent of instructor.) Reading musical notations, counting rhythms, scales, keys, intervals, triads, and chord names.

### 103L. Elementary Eartraining I (1)

Develop basic aural/visual musical skills: scales, chords, and melodies.

### 104. Elementary Harmony II (3)

(Prereq: MUSC 103) Diatonic part-writing and analysis.

### 104L. Elementary Eartraining II (1)

Melodic and harmonic dictation, rhythmic dictation, and aural identification of phrase forms and cadences.

### 107-108. Beginning Piano Class I and II (1 each sem)

(Prereq: Freshman music major or consent of instructor) Elementary fundamentals of piano. Students develop functional keyboard skills of sight-reading, harmonization, accompanying, transposition, and improvisation. Required of all non-keyboard majors who have little or no training in piano.

### 109. Beginning Piano Class III (1)

(Prereq: MUSC 107-108 or consent of the instructor) Students continue

to develop functional keyboard skills of sight reading, harmonization, accompanying, transposition, and improvisation. Required of all music majors.

### 115. Guitar Class (1)

Introduction to the basic skills of guitar playing with emphasis on demonstration and accompaniment techniques. Commonly used chords and chord progressions and a variety of strumming and finger-style accompaniment patterns will be studied.

### 150. Introduction to Music I (2)

An introduction to the study of music in all its aspects. The course is a combination of music appreciation, musical aesthetics, music history, and a study of performance practices and includes a variety of listening, studying, and thinking experiences. Students will begin the process of musical analysis—rhythm, melody, harmony, form, and texture—and will explore the various dimensions of musical organization and musical meaning.

### 151. Introduction to Music II (2)

(Prereq: MUSC 150) A continuation of Music 150.

### 173-174. Voice Class (I each sem)

(May not be repeated) Group instruction in the rudiments of singing, including tone production, quality, breath control, vowel placement, and diction. Open to all students interested in the art of singing.

### 175. Singers Diction: Italian and English (1)

Accurate pronunciation and clear articulation in Italian and English vocal literature using the International Phonetic Alphabet.

### 176. Singer's Diction: Latin, French, and German (1)

(Prereq: MUSC 175) Accurate pronunciation and clear articulation in Latin, French, and German vocal literature using the International Phonetic Alphabet.

### 177. Opera and Music Theatre Workshop (1)

(Prereq: MUSC 173-174 or applied voice lessons; may be repeated) A laboratory for the study and performance of musical excerpts from opera and musical theatre.

### 199. Recital Attendance (0)

Required of all music majors and minors every semester. A mark of "S" or "U" is given dependent upon fulfillment of attendance at designated performance events.

### 201. Intermediate Harmony I (3)

(Prereq: MUSC 104) Part-writing and analysis with applied harmonies and modulations. Model compositions in the style of late Classical and Romantic composers.

### 201L. Intermediate Eartraining/ Sightsinging I (1)

Sight reading; melodic and harmonic dictation with diatonic and applied harmonies; and aural identification of simple forms.

### 202. Intermediate Harmony II (3)

(Prereq: MUSC 201) Part-writing and analysis with 19th century chromatic harmonies, model compositions in the style of late Romantic composers, and exposure to 20th century developments.

### 202L. Intermediate Eartraining/ Sightsinging II (1)

Sight reading; melodic and harmonic dictation with chromatic harmonies and modal mixture; and aural identification of larger forms.

### 203. Accompanying I (0.5)

(Prereq: Consent of instructor) Repertoire for piano with voice or instrument will be studied. Strongly recommended for all keyboard majors.

### 204. Accompanying II (0.5)

(Prereq: MUSC 203) The practical application of skills studied in MUSC 203. Emphasis will be placed on preparation and performance of secular and sacred music in a variety of venues.

**207. Intermediate Piano Class (1)**

(Prereq: MUSC 107-108 or consent of the instructor) Beginning fundamentals of piano. Students continue to develop functional keyboard skills of sight reading, harmonization, accompanying, transposition, and improvisation. Required of all music majors.

**209. Functional Skills for Keyboard Majors (1)**

(Prereq: MUSC 103 and 104; for keyboard majors only) Designed for keyboard music majors to develop their functional keyboard skills.

**212. Music of the World's Culture (3)**

A survey of music in relation to its cultural context, covering selected topics in music and culture outside the European art music tradition, including European and American folk music and African, North and South American, and Asian music. Focus will be on developing skills in listening and analysis and on understanding differences and similarities between the musical systems and expressions of various peoples.

**213. American Popular Music (3)**

A general survey of popular music in America from the middle of the 19th century to the present time. The principal popular music genres of Musical Theater, Jazz, Country, and Rock will be the focus of this course. Composers, performers and performing mediums of these styles will be discussed within their religious, political, and economic context in order to gain a greater appreciation for their meaning and role in society, and place in the development of contemporary American culture.

**221. Introduction to Music Technology (3)**

(Prereq: none but keyboard experience is helpful) An introduction to the physics of sound, musical synthesis, MIDI, sequencing, and computer applications in music engraving and multimedia. This course is designed

to provide hands-on experience with synthesizers and the world of music and the Macintosh computer.

**258. Special Topics (1-6).** See page 24.**303. Counterpoint (3)**

(Prereq: MUSC 202) A study of contrapuntal music and techniques from the 15<sup>th</sup> century through the High Renaissance style of Palestrina and his contemporaries, to the Baroque styles of J. S. Bach and his contemporaries, and into the Romantic era (with special emphasis on Beethoven) along with an exploration of contrapuntal techniques in the music of the 20<sup>th</sup> century. (*Alternate years*)

**304. Church Music Administration I (3)**

Administrative, organizational, and methodological issues in the practice of sacred music in the local church or parish. (*Alternate years*)

**305. Church Music Administration II (3)**

A continuation of Church Music Administration I, focusing on the musical aspects of worship planning and history in reformed and liturgical traditions. (*Alternate years*)

**307. Music for Teachers (3)**

A course designed to provide early education and elementary school specialists with specific musical skills and materials. Integration of music into the general classroom is the ultimate goal of the class.

**309. Conducting I (2)**

(Prereq: MUSC 104-104L) A practical course in basic techniques of conducting. Course content includes beat patterns, baton technique, and analysis. Includes conducting practice.

**310. Conducting II (2)**

(Prereq: MUSC 309) A practical course in the basic technique of conducting choral ensembles. Course content includes the study of beat patterns, conducting techniques, rehearsal procedures, program building and organization of choral groups, arranging, and stylistic and

formal analysis. Includes conducting experience.

**313-314. Instrumental Techniques (1 each sem)**

A laboratory course to give the student a working knowledge of the instruments of the orchestra. Each semester one course will be offered on one of the principle family instruments: woodwinds, brass, and percussion. Pedagogical materials, methods, and practical teaching exercises.

**330. Materials and Methods: Elementary-Middle School (3)**

This course involves the study of philosophy, methodology, and planning inherent in the teaching of grades K-8. Students are introduced to Kodaly, Orff, Suzuki, and other pedagogical systems in order to prepare to teach in the eclectic environment of the American music classroom. State-adopted texts in music are used and the student is exposed to a wide variety of resources available in lesson and curriculum planning. Students write and execute lesson plans and are introduced to and required to use instruments common to the public school classroom: piano, guitar, recorder, and autoharp.

**331. Materials and Methods: Middle-High School (3)**

This course involves the study of philosophy, methodology, and planning inherent in the teaching of grades 6-12. Students study the application of the major pedagogical systems to middle school and high school music. Specific and intense consideration is given to the direction and leadership of music ensembles. Students write and execute lesson plans, are introduced to and required to use instruments common to the public school classroom, and use materials and resources that reflect a multicultural and global perspective.



**340. Ancient, Medieval, and Renaissance Music (3)**

The history, analysis, and aesthetics of composers, styles and techniques from antiquity-1600 will be explored.

**341. Baroque Music (3)**

The history, analysis, and aesthetics of composers, styles, and techniques from 1600-1750.

**344. Survey of Sacred Music (3)**

The history of sacred music with emphasis on liturgies, hymns, sacred song, psalmody, and contemporary trends and issues. (*Alternate years*)

**349. Fundamentals of Piano Pedagogy I (2)**

A study of current trends in piano pedagogy, including the development of teaching philosophies leading to successful private studio teaching.

**349L. Piano Pedagogy Practicum I (1)**

(Prereq: MUSC 349) This course includes the development and use of weekly lesson plans, personal teaching philosophies, and proper methodologies for teaching elementary through early intermediate students.

**350. Fundamentals of Piano Pedagogy II (2)**

(Prereq: MUSC 349) A continuation of Piano Pedagogy I, this course also provides teaching models leading to actual instructional situations.

**350L. Piano Pedagogy Practicum II (1)**

(Prereq: MUSC 350) A continuation of Piano Pedagogy I focusing on intermediate to advance students.

**351. Piano Literature (3)**

An examination of literature from the Late Renaissance to the present with an emphasis on historical performance practice. (*Alternate years*)

**353. Introduction to Vocal Pedagogy and Repertoire (3)**

(Consent of instructor) The course will cover the basic techniques and principles of vocal pedagogy

**360. History and Literature of Music I: Antiquity to 1750 (3)**

(Prereq: MUSC 150 and 151; recommended: MUSC 201 and 202) The development of music from antiquity through the end of the Baroque with an emphasis on historical perspectives and theoretical concepts will be explored.

**361: History and Literature of Music II: 1750 to Present (3)**

(Prereq: MUSC 360) Perspectives and concepts introduced in MUSC 360 continue to be developed from the Classical through the Contemporary periods.

**397. Half Recital (0.5)**

(Consent of instructor) Enrollment is concurrent with the appropriate private applied lessons. Students must perform a recital pre-hearing for designated members of the music faculty no more than four weeks and no less than ten days prior to the recital for approval of public performance. Copies of the recital program and a recording are placed into the student portfolio.

**398. Honors Research (3-6).** See page 22.

**400. Classic and Romantic Music (3)**

The history, analysis, and aesthetics of composers, styles, and techniques from 1750-1900.

**401. Twentieth Century Music (3)**

The history, analysis, and aesthetics of composers, styles, and techniques of the 20<sup>th</sup> century.

**402. Orchestration and Arranging (3)**

(Prereq: MUSC 103, 104, 201, and 202) Investigation and application of techniques for the use of voices and instruments in composition and arranging.

**404. Hymnology (3)**

A survey of the history of the hymn as primarily manifested through its practice in congregational song. (*Alternate years*)

**410. Form and Analysis (3)**

(Prereq: 202 and 202L) Patterns and processes in music with an examination of prominent musical forms using specific musical examples of each as subject for analysis. Analysis will be performed visually using musical scores and aurally using musical recordings and live performances.

**442. Directed Studies (3-6).** See page 24.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

**497. Full Recital (1)**

(Consent of instructor) This course serves as the vehicle for the senior recital, part of the Department of Music process of tracking a student's performance progress. Enrollment is concurrent with the appropriate private applied lessons. Students must perform a recital pre-hearing for designated members of the music faculty no more than four weeks and no less than ten days prior to the recital in order to receive permission for public performance. Copies of the recital program and a recording are placed into the student portfolio.

**Applied Music (MUSA)**

Applied music lessons in brass, guitar, bagpipes, harpsichord, handbells, Jazz, organ, percussion, piano, strings, woodwinds, composition, and voice are available through the Department of Music. See page 34 for information regarding special fees for applied music lessons.

**100. Applied Elective Lessons (0.5)**

Half-hour lesson per week. Open each semester to all college students.

**110. Applied Elective Lessons (1)**

One-hour lesson per week. Open each semester to all college students.

**171-172. Applied Music Major--Primary Instrument (1 each sem)**

One-hour lesson per week with a minimum of ten hours of practice taken during the first and second semesters of collegiate study in this instrument/voice. Designed for music majors but music minors and non-music majors may study at this level with consent of instructor.

**271-272. Applied Music Major--Primary Instrument (1 each sem)**

One-hour lesson per week with a minimum of ten hours of practice taken during the third and fourth semesters of collegiate study in this instrument/voice. Designed for music majors but music minors and non-music majors may study at this level with consent of instructor.

**371-372. Applied Music Major--Primary Instrument (1 each sem)**

One-hour lesson per week with a minimum of ten hours of practice taken during the fifth and sixth semesters of collegiate study in this instrument/voice. Designed for music majors but music minors and non-music majors may study at this level with consent of instructor.

**381-382. Applied Music Performance--Primary Instrument (2 each sem)**

One-hour lesson per week with a minimum of twelve hours of practice taken during the fifth and sixth semesters of collegiate study in this instrument/voice. For advanced music majors only. Consent of instructor required.

**470. Composition (1)**

(Consent of instructor) One-hour lesson per week in applied composition.

**471-472. Applied Music Major--Primary Instrument (1 each sem)**

One-hour lesson per week with a minimum of ten hours of practice taken during the seventh and eighth

semesters of collegiate study in this instrument/voice. Designed for music majors but music minors and non-music majors may study at this level with consent of instructor.

**481-482. Applied Music Performance--Primary Instrument (2 each sem)**

One-hour lesson per week with a minimum of twelve hours of practice taken during the seventh and eighth semesters of collegiate study in this instrument/voice. For advanced music majors only. Consent of instructor required.

**Music Ensembles (MUSE)****260. PC Ringers (0.5)**

(Prereq: Consent of instructor) This course is the academic vehicle for the training of handbell ringing. Its purpose is to train talented students to serve as performers and directors of handbell choirs in school, church, and community settings through ringing experiences in advanced literature.

**265. PCBhJazz (0.5)**

(Prereq: Consent of instructor required) The study of jazz in its many and varied forms is the subject of this course. Literature will be eclectic and include New Orleans Dixieland, Chicago Dixieland, Swing, Bebop, Cool, Hard Bop, Third Stream, Free Jazz, and Jazz Rock Fusion.

**271. Cantare! Men's Choir (0.5)**

Open to all PC male students.

**276. Armonia! Women's Chorus (0.5)**

Open to all PC female students.

**290. The PC Choir (1 each sem)**

(Prereq: consent of instructor) A highly selective choral ensemble established for the study of sacred and secular choral literature. Open each semester to all students in the college by audition. The choir presents on- and off-campus concerts each term.

**293. PC Wind Ensemble (1)**

A laboratory for the study and performance of the best literature for wind ensemble/symphonic band. Membership is open to all students by audition and/or interview.

**294. PC Chamber Orchestra (1)**

A college chamber orchestra that rehearses and performs compositions of different style periods written for string orchestra. Membership is open to all students who play a string instrument.

**295. PC Blue Thunder Pep Band (0.5)**

Performs at home football, basketball, and play-off games. Music is primarily pop, jazz, and rock arrangements. Open each semester to all students who play a band instrument.

**296. Chamber Music Ensemble (0.5)**

Laboratories in chamber music performance and study. All students who perform satisfactorily and independently on their instruments are eligible and accepted, to the limits of usable standard instrumentations. Performances for each group are required.

**297. Chamber Choir (0.5)**

The chamber choir offers qualified students a choral laboratory and musical experience for advanced vocalists. Members of the chamber choir are chosen annually by competitive audition. The ensemble's repertoire depends upon performance demands but is always eclectic.

**298. Student Fellowship Choir (0.5)**

Laboratory for the study and performance of traditional and contemporary African-American music. Open each semester to all students.

# PHYSICAL EDUCATION

Professor Richard E. Newman, Chair

## Requirements for the Minor in Coaching

This program is designed for students who seek to combine coaching preparation with certification to teach in another academic area. The coaching minor concentrates only on materials and studies necessary for the development of the proper background for students wanting to coach. The coaching minor requires a total of 18 hours beyond the 100-activity courses to include PHED 305, 306, 316, 385/390, and six additional hours in physical education.

## Requirements for the Minor in Physical Education

This program is offered to students who are majoring in another area and have a special interest in physical education. The physical education minor requires a total of 18 hours beyond the 100-activity courses to include PHED 301, 306, and 316 plus nine additional hours in physical education.

## Physical Education (PHED)

### 1001. Concepts of Physical Fitness (1)

Designed to place emphasis on the value of physical fitness for everyone. Through the use of lecture and laboratory periods, students will be presented the basic fitness factors as well as means to measure these factors. As a result of the course the student should be able to make intelligent decisions concerning the value and use of physical activity in personal life.

### 1002. Tennis (1)

Designed to provide students a beginning level competency in tennis.

### 1003. Golf (1)

Designed to provide students a beginning level competency in golf.

### 1004. Basic Swimming (1)

Designed to provide students a beginning level competency in swimming.

### 1005. Racquetball/Bowling (1)

Designed to provide students a beginning level competency in the two activities.

### 1006. Advanced Life Saving (1)

A more advanced swimming course with competency in life-saving techniques.

### 1007. Bowling/Badminton (1)

Designed to provide students a beginning level competency in the two activities.

### 1008. Weight Training (1)

Designed to provide instruction in progressive resistance exercise for beginning exercise participants.

### 1009. Intermediate Tennis (1)

(Prereq: PHED 1002 or equivalent)  
A course designed to meet the needs of students who demonstrate skill proficiency above the beginning tennis level.

### 1010. Beginning Social Dance (1)

A course designed to introduce the basic steps and variations for eight selected ballroom dances.

### 1011. Non-Contact Karate (1)

A course designed to introduce the concepts and teaching methodology of traditional karate, the art of Empty-Hand Self-Defense.

### 1012. Basic Yoga (1)

A course designed to introduce students to yoga, a non-traditional activity that can afford a variety of health related benefits to its participants.

### 1013. Basic Pilates (1)

A course designed to introduce students to Pilates, a non-traditional activity that offers a variety of health- and performance-related components of total fitness.

### 224. Movement Styles (3)

(Crosslisted with THEA 224) An interdisciplinary approach to movement which incorporates yoga, ballet, and modern and jazz dance. With a focus on balance and alignment, students develop an awareness of dance through collaboration, ensemble performance, and choreography.

### 225. Basic Wellness (3)

A course designed to provide the student with a comprehensive introduction to the dynamics of lifetime wellness. The dimensions and concepts for developing and maintaining a lifestyle of wellness will be presented. This will include study units in nutrition, diet and weight

control, stress management, physical fitness, the cardiovascular system, hypokinetic disease risk factors, and personal wellness assessment/responsibility. The course will be taught on a lecture/lab format.

### **301. History, Principles, and Philosophy of Physical Education and Athletics (3)**

A study of the historical background of the physical education and athletic programs. It deals with the principles, the aims, the objectives, and the organization of a program of physical education and athletics. *(Alternate years)*

### **305. Coaching Principles (3)**

This course is designed to provide students with a basic foundation that is necessary to become successful coaches in any sport. Specifically, instruction will address content that targets principles related to coaching, behavior, teaching, and management. As such, course materials will focus on domains 1, 4, 5, and 6 of NASPE's 2006 National Standards for Coaches. *(Alternate years)*

### **306. Organization and Administration of Physical Education and Athletics (3)**

(Prereq: PHED 301 or consent of instructor) A course in the organization and administration of physical education and athletics. Instruction focuses on organization patterns, staff relations, budget and finances, facilities and equipment, and other problems confronting coaches and teachers in their respective areas.

### **310. Health and Physical Activity for the Child (3)**

(Prereq: EDUC 201 or consent of instructor) This course provides early childhood and elementary education majors with an opportunity to study the overall development of the child so that they can teach and promote health and physical activity in the schools. The course will offer experiences and instructional practices through observations and teaching of children in preschool through middle school. Curricula areas include health, safety,

and physical education. Students will also learn to adapt instructional strategies to meet specific needs of children with disabilities.

### **312. Coaching of Team Sports: Soccer (3)**

Instruction in teaching fundamental techniques and skills involved in offensive and defensive play, game strategy, scouting, and practical field experience.

### **313. Coaching of Team Sports: Football (3)**

Instruction in teaching fundamental techniques and skills involved in offensive and defensive planning, game strategy, organization scouting, and practical field experience.

### **314. Coaching of Team Sports: Basketball (3)**

Instruction in teaching fundamental techniques and skills involved in offensive and defensive play, game strategy, scouting, and practical court experience.

### **315. Coaching of Team Sports: Baseball (3)**

Instruction in teaching fundamental techniques and skills involved in offensive and defensive play, game strategy, scouting, and practical field experience.

### **316. Exercise and Sports Physiology (3)**

(Prereq: BIOL 101-102) An introductory course focusing on the physiological basis of physical activity and sports with emphasis on exercise physiology, sports physiology, and basic principles of movement. This course is primarily designed for individuals planning a minor in coaching and/or physical education.

### **317. Coaching of Team Sports: Softball and Volleyball (3)**

Instruction in teaching fundamental techniques and skills employed in offensive/defensive play, game strategy, practice organization, scouting, and practical field experiences.

### **320. Coaching of Team Sports: Lacrosse (3)**

This course is designed to examine the techniques, strategies, and tactics of lacrosse. Upon completion of the course, students will have a comprehension of lacrosse and will be able to implement the techniques, strategies, and tactics used to coach this sport.

### **324. Sport Psychology (3)**

(Prereq: PSYC 201; crosslisted with PSYC 324) Application of psychological principles to various aspects of sport. Topics include behavioral principles, motor learning, anxiety and arousal, mental preparation, leadership, team cohesion, audience effects, aggression, personality, assessment, gender roles, youth sport, coaching, and exercise psychology.

### **385. Basic Athletic Training (3)**

Theory and practice in keeping the athlete in superior condition. Studies include the use of proper protective equipment; medical research related to athletics; and the prevention, care, and proper rehabilitation of athletic injuries.

### **390. Advanced Athletic Training (3)**

(Prereq: PHED 385) Course is designed to focus on the more advanced aspects of athletic training. Students will be introduced to specific human anatomy; evaluation processes; modality theories and application; rehabilitation procedures; and advanced taping, splinting, and bracing techniques.

# PHYSICS AND COMPUTER SCIENCE

Associate Professor Wayne A. Smith, Chair  
Associate Professor Jonathan T. Bell  
Associate Professor James A. Wanliss  
Associate Professor M. Paige Meeker  
Assistant Professor Chad L. Rodekohr

## **Requirements for the Major and Minor in Physics**

Students majoring in physics must take CHEM 101, 101L, 102, 102L; CSC 241 or 250; MATH 201, 202, 301, 302, 401; PHYS 121L, 122L, 121 or 214, 215, 216, 302, 303, 311, and 350; plus 9 hours of physics numbered 300 or above. With advisor's consent, students may count a physics internship (PHYS 444) as a physics elective.

Students minoring in physics must take 19 hours in physics including PHYS 121L, 122L, 214, 215, 216; and 6 hours from any 200-, 300-, or 400-level courses (excluding PHYS 203, 205, and 211). In addition, students must take MATH 201, 202, 301, and 302.

## **Requirements for the Major in Medical Physics**

Students majoring in Medical Physics must take a total of 74-77 hours are required for the major in medical physics: BIOL 111, 111L, 112, 112L, 311; CHEM 101, 101L, 102, 102L, 221, 221L, 222, 222L; MATH 201, 202, 301, 302, 401; PHYS 121L, 122L, 214, 215, 216, 220\*, 416, 458 (Medical Physics); 10 hours of physics electives at or above the 300 level (303 and 311 are recommended).

\* MATH 221 and 307 may be taken in lieu of PHYS 220 to meet linear algebra requirement.

## **PC Requirements for Engineering Dual Degree Program**

Students participating in this program will be expected to complete all Presbyterian College general education requirements while in residence here. In addition, the following physics major requirements must be completed: CHEM 101, 101L, 102, 102L; CSC 241 or 250; MATH 201, 202, 301, 302, 401; PHYS 121L, 122L, 121 or 214, 215, 216 260, 302, or 303. It is recommended that students also take PHYS 250. Students entering a dual-degree program should be aware of stipulations from other institutions regarding transfer work, i.e., most institutions do not accept grades of "D" and some do not accept all of Presbyterian College's general education requirements. (A student who takes MATH 105-106 as a freshman may substitute a course approved by the physics department and taken at Auburn, Clemson, USC, or Vanderbilt for MATH 401.) After earning a minimum of 92 semester hours at PC, students enter an engineering program at Auburn University, Clemson University, University of South Carolina, or Vanderbilt University and in two years earn a PC degree and an engineering degree from Auburn, Clemson, USC, or Vanderbilt.

## **Requirements for the Major and Minor in Computer Science**

Students majoring in computer science must take a total of 42 hours are required for the major to include seven core courses in computer science: CSC 241, 242, 311, 336, 411, 425, and 426. Also required are nine hours of computer science courses numbered 300 or above; MATH 201 or 211; MATH 208 or 221; and STAT 319 or 320. The two-course sequence of CSC 425-426 must be taken at PC and cannot be substituted as these courses constitute the capstone course for the major.

Students minoring in computer science must take a total of 18 hours: CSC 241, 242, and 10 hours of other computer science courses. Either CSC 223 or 225 may be counted towards the minor but not both.

## Physics (PHYS)

### 121-122. General Physics (3 each sem)

(Prereq/Coreq: PHYS 121L-122L; MATH 106) A first course in physics designed to emphasize the experimental laws of physical science. Topics to be covered include mechanics, heat, wave motion and sound, electricity and magnetism, optics, and modern physics.

### 121L-122L. General Physics Laboratory (1 each sem)

(Coreq: Physics 121-122) These laboratory courses expand on the topics covered in PHYS 121-122. Students will perform experiments and analyze the results based on physical law. Cannot be taken separately from PHYS 121-122 except by consent of the instructor.

### 203. Introduction to Astronomy (4)

This course presents an overview of the major fields of astronomy. The course begins with a brief history of astronomy followed by an in-depth discussion of the basic concepts and tools used throughout astronomy. Topics include history of astronomy, naked-eye observations, light, telescopes, stars, stellar evolution, black holes, galaxies, and cosmology. Some of the lab sessions will be scheduled in the evening to allow astronomical viewing. No previous experience in astronomy is expected.

### 205. Descriptive Physics (4)

(3 hrs lecture, 3 hrs lab weekly) A course of lectures and demonstrations designed to enable liberal arts students to have a knowledge of the field of general physics. Topics will include the study of light and color, sound, energy and motion with emphasis placed on conceptual understanding rather than problem solving.

### 211. Earth Science (4)

(3 hrs lecture, 3 hrs lab weekly; prereq: one year of laboratory science) Includes a study of the astronomy of the solar system as well as an

introduction to geologic processes, land forms, rocks, and minerals.

### 214. Physics with Calculus I (3)

(Coreq: MATH 201) First of three courses in a calculus-based physics sequence. Topics include vectors, laws of motion, conservation principles, rotational motion, and gravitation.

### 215. Physics with Calculus II (3)

(Coreq: MATH 202 Prereq: PHYS 214 or 221) Continuation of PHYS 214. Topics include thermodynamics, kinetic theory of gases, electric and magnetic fields, electric currents, oscillations, and motions of charged particles in fields.

### 216. Physics with Calculus III (4)

(Coreq: MATH 301, Prereq: PHYS 215) Continuation of PHYS 215. Topics include wave motion, electromagnetic waves, interference and diffraction, relativity, atomic particles, and atomic and nuclear structure.

### 220. Methods of Theoretical Physics (3)

(Prereq: MATH 202) An introduction to mathematical methods that are commonly used in advanced physics. The main topics are vector algebra and calculus (including divergence, gradient, curl, Stokes' theorem, line and surface integrals, and curvilinear coordinate systems) and the solution of boundary value problems involving the wave equation and Laplace's equation (separation of variables, power series, and special functions). Other topics such as complex variables and Fourier analysis may be included at the discretion of the instructor.

### 250. Basic Electronics (4)

(3 hrs lecture, 3 hrs lab weekly; prereq: PHYS 122 and MATH 201) An introduction to analysis of AC and DC circuits, amplifiers, semi-conductor devices, and instrument systems.

### 260. Engineering Physics (4)

(Prereq: PHYS 121, 214 and MATH 201) The 'in class' portion of this course will be devoted to the rigorous topic 'Statics' which is fundamental to nearly all fields of engineering. This

study will also provide a mechanism to learn how engineers think and how that compares to the thought processes of a physicist. The 'lab' portion of this class is essentially an 'Engineering Seminar' and will be devoted to understanding the field of engineering. In addition to learning engineering experimental methods, students will be exposed to the wide variety of engineering disciplines through guest speakers and field trips.

### 302. Heat and Thermodynamics (3)

(Prereq: PHYS 122 and MATH 301) This course includes a study of thermometry, physical states of matter, calorimetry, heat balance equations, gas laws for real and ideal gases, kinetic theory, cyclical operations and the laws of thermodynamics. (*Alternate years*)

### 303-304. Electricity and Magnetism I & II (3 each sem)

(Prereq: PHYS 122 or 220 and MATH 401) This course sequence is designed to introduce the student to the basic laws of electricity and magnetism as they are formulated using differential and integral calculus. Gauss' law, Laplace's equation, the Biot-Savart law, Faraday's law and Maxwell's equations are studied along with the phenomena of polarization, electric and magnetic fields, electromagnetic radiation, and other topics. (*Alternate years*)

### 311. Advanced Mechanics (3)

(Prereq: PHYS 218 and either PHYS 220 or MATH 401) A course in classical mechanics covering the dynamics of system of particles, motion of rigid bodies, and an introduction to Lagrange's equations and the Hamiltonian function as well as other topics of interest to the advanced physics student. A thorough knowledge of integral and differential calculus is assumed. (*Alternate years*)

### 320. Classical Optics (3)

(Prereq: PHYS 216) An intermediate course in light from the viewpoint of both geometrical and physical optics.

This is the same course as PHYS 301 without the lab component. (*Alternate years*)

**350. Advanced Physics Laboratory (2)**  
(Prereq: PHYS 301 and MATH 301)  
This course consists of three or four experiments designed to illustrate important concepts in quantum mechanics and modern physics and to introduce the student to some of the techniques of modern experimental physics research. (*Alternate years*)

**398. Honors Research (3-6).** See page 22.

**400. Plasma Physics (3)**  
(Prereq: PHYS 303) Its purpose is to expose students to the basic physical principles governing the solar-terrestrial interactions, including space and atmospheric weather. Its goal is to emphasize the applications of plasma physics to an understanding of the interplanetary environment and earth's place in that environment, as well as alternative energy sources from plasma fusion. (*Alternate years*)

**405. Nuclear Physics (3)**  
(Prereq: PHYS 121 and 122; MATH 202) An introduction to nuclear physics and its applications, particularly in medicine. Study will begin with the classification of nuclides and their arrangement in nuclear tables. Techniques for exploring the nucleus will be taken up next, along with the associated results, such as the size and shape of nuclei, the abundance of nuclei, and different forms of radioactive decay. The final few meetings will cover medical applications such as radioactive tracers and MRI. (*Alternate years*)

**406. Physics in Biology and Medicine (3)**  
(Prereq: PHYS 121 and 122; BIOL 101 and 102) Applications of introductory physics to the processes and systems of biology and medicine. Topics may include the physics of

(1) walking, running, and jumping; (2) temperature regulation and metabolism; (3) flight; (4) respiration and circulation; (5) hearing and vision; (6) the nervous system; and (7) medical diagnostics techniques.

**415. Quantum Mechanics (3)**  
(Prereq: PHYS 220 or MATH 401)  
A rigorous presentation of the fundamental principles of quantum mechanics. Topics include the wave function for a free particle, superposition of states, construction and behavior of wave packets, the position and momentum representations, general techniques for constructing solutions to Schrodinger's equation, and the time development of quantum-mechanical systems. (*Alternate years*)

**416. Topics in Modern Physics (3)**  
(Prereq: PHYS 220 or MATH 401)  
Further development of topics in physics of the 20th Century: relativity theory, atomic physics (of both the hydrogen atom and multi-electron atoms), nuclear physics, and solid-state physics. This course develops and uses the techniques of quantum mechanics as necessary but not with the detail and rigor of PHYS 415. (*Alternate years*)

**442. Directed Studies.** See page 24.

**444. Internships.** See page 24.

**446. Readings.** See page 24.  
Hours and credits arranged to meet the needs of the student. Open to juniors and seniors by special permission. Subject matter pertaining to the student's field of interest will be considered.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

## Computer Science (CSC)

### 201. Introduction to Microcomputers (3)

This course will introduce the student to the use of microcomputers with an emphasis on productivity software such as word processing, data base management, spreadsheets, and graphics. Selection and evaluation of software and peripherals will be discussed along with current topics in microcomputing. No previous computer experience is assumed.

### 241-242. Program Design I and II (4 each sem)

Principles of program design and implementation using a modern programming language. Fundamentals of procedural programming, including basic data types, control structures, console and file input/output, subprograms, vectors and/or arrays, recursion, and pointers. Introduction to object-oriented programming, including objects, classes, member data, and member functions. Introduction to graphical user-interface programming. Students must develop and demonstrate proficiency in writing and debugging programs up to an intermediate level of complexity. Students must receive a grade of "C-" or better in CSC 241 in order to advance to 242.

### 250. Computing Methods for Science and Math (3)

(Prereq: MATH 202) Covers techniques for numerical calculations, symbolic mathematical manipulations, and graphical presentation of results using spreadsheets, symbolic math packages, and procedural programming languages. (*Alternate years*)

**258. Special Topics (1-6).** See page 24

### 305. System and Network Administration (3)

(Prereq: CSC 231 or 241) This course is a broad overview of the process of administering desktop and server computers. Operating systems will include Windows, Mac

OS X, and Linux. Heavy emphasis will be placed on service management and user management in a multi-user environment. The course will also deal specifically with hardware/software installation and support. Other topics will include network topography (using the OSI model) and maintenance. (*Alternate years*)

### **307. 3D Modeling and Animation (4)**

(Prereq: CSC 201 or 241; crosslisted with ART 307) This course explores concepts and methodologies for creating and exploring 3D graphics and animation. This class will introduce fundamental 3D theories and principles of computer modeling and animation. The class will also explore the history, development, and theories behind modeling and animation. Essential concepts will be made concrete through a major term-long team project in which student teams will develop their own 3D models that are then used in a short animation.

### **308. Graphics Programming and Animation (3)**

(Prereq: CSC 241; crosslisted with ART 308) This course introduces the student to programming that draws 2D or 3D images on the screen. In particular, we will study graphics packages that enable interactive drawing and animation in 2D and 3D spaces. (*Alternate years*)

### **311. Computer Organization (3)**

(Prereq: recommended CSC 241) This course introduces the student to foundational mechanisms of computer architecture including Boolean and sequential circuits, assembly languages, instruction sets, internal data representations, and essential hardware components that support operating systems.

### **328. Programming Languages (3)**

(Prereq: CSC 241) This course is designed to introduce the student to a variety of programming languages with the goal of studying the design of languages. This course gives

particular emphasis to the differences and similarities among imperative, functional, object-oriented, and logic paradigms. Students will have hands-on assignments to illustrate language design issues and introduce them to programming in a variety of environments. (*Every three years*)

### **333. Database Processing and Design (3)**

(Prereq: CSC 241 or consent of instructor) Introduction to database concepts as related to the design of online information systems. Topics include data modeling, database/database application design and implementation, and data administration. The implementation of a database using commercially available software will be a term project. (*Every three years*)

### **336. Algorithms and Data Structures (4)**

(Prereq: CSC 242) A thorough introduction to the analysis of computer algorithms and to advanced techniques for representing information. Analysis of algorithms involves measuring the time and space an algorithm uses thus providing a method for comparing algorithms. Common algorithms and data structures are introduced and analyzed including search and sort methods, lists, trees, and graphs.

### **350. Numerical Methods (3)**

(Prereq: CSC 250 or 241 and MATH 202 or consent of instructor; crosslisted with MATH 350) A study of the use of the computer to solve mathematical problems of interest to scientists and engineers. Topics include function approximation, numerical differentiation and integration, systems of linear equations, least-squares fitting, function minimization, and Monte-Carlo methods. Special emphasis is placed on using matrix methods where appropriate. Students are expected to write several programs illustrating these topics. (*Alternate years*)

**398. Honors Research (3-6).** See pg 22.

### **411. Operating Systems (4)**

(Prereq: CSC 242; recommended CSC 311) This course is an overview of the essential components of a modern operating system whose primary task is to manage the computer's hardware resources. Topics include, but are not limited to, process management, memory management, device management, file systems, and interrupt handling. As time allows, students will have hands-on experience in systems programming by writing a device driver or system call. Emphasis will be in handling concurrency inherent in much of the operating system.

### **420. Network and Web Programming (3)**

(Prereq: CSC 242; CSC 332 recommended) This course is designed to introduce the student to how programs communicate over a network. Particular emphasis is given to sockets programming, servlets, and web services. This class is primarily a hands-on programming course involving a series of programming projects designed to practice the areas of emphasis. (*Every three years*)

### **425-426. Software Development I and II (2 each sem)**

(Prereq: CSC 242; recommended CSC 411) A hands-on introduction to the basic concepts of software development as principles are applied to medium-sized software projects. The larger part of this course is manifested as a team project that follows a software development methodology whose result is a complete and practical software system. Students are introduced to software development tools and environments as well as various development methodologies and ethics in software development.

### **430. Artificial Intelligence (3)**

(Prereq: CSC 332 recommended; CSC 242 required) This course will introduce the student to a wide variety of concepts and ideas from



artificial intelligence through (1) practice programming exercises; (2) readings from the text and a variety of journals; (3) interactive intelligent agents distributed through the web and other sources; and (4) lively classroom discussions. Using various components of the course, students will conduct critical analysis of current literature and formulate their own arguments to support their view of the discipline. (*Every three years*)

**432. Theory of Computation (3)**

(Prereq: CSC 332 and MATH 208 or 211) A survey of the mathematical foundations of what can and cannot be computed by introducing various classes of languages and their corresponding computational machines. The major categories of complexity for computation are introduced and analyzed including regular expressions, context-free languages, recursively enumerable sets, and intractable problems. (*Every three years*)

**442. Directed Studies (1-3).** See page 24.

(Prereq: Juniors and seniors with at least nine hours of computer science credit) Course designed to allow the student to pursue a topic of special interest under the direction of a member of the department.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

# POLITICAL SCIENCE

Associate Professor Donald R. Raber, II , Chair  
 Professor Booker T. Ingram, Jr.  
 Professor Thomas P. Weaver  
 Associate Professor Jonathan C. Smith  
 Assistant Professor Zihua Liu

## Requirement for the Major and Minor in Political Science

Students majoring in political science must take the following components:

- (1) PLSC 201 and 202
- (2) PLSC 205
- (3) PLSC 440
- (4) 21 hours to be selected from political science courses at the 300 level and above (PLSC 300 not included).

Within this 21 hours, at least 3 hours must be taken in each of the following subject areas:

American Politics (PLSC 301-319)

Political Theory (PLSC 322-327)

International Relations/Comparative Politics (PLSC 331-387)

Research projects, special projects, and internships will be applied to component (4). Specific course work, both in political science and in other areas, is recommended for students pursuing various interests, i.e., pre-law, public administration, international relations, etc. The student's academic advisor will work closely with him/her in the selection of the appropriate courses.

The minor in political science requires 18 hours that must include PLSC 201 and 202. The remaining 12 semester hours can be selected from the 300- and 400-level political science offerings.

## Political Science (PLSC)

### Introductory Level Courses

#### 201. Introduction to Political Science (3)

Study of the nature of politics and political behavior and of the important theories respecting the nature, origin, forms, and ends of the state and of government.

#### 202. American Politics (3)

Basic course in American politics that stresses the formation, development, organization, and action of our national government, including the origin and nature of our federal system.

#### 205. Introduction to Political Analysis (3)

An examination of the different techniques used to conduct and

evaluate political science research with an emphasis on the development of the discipline and an understanding of basic social statistics.

**258. Special Topics (1-6).** See page 24.

### American Politics

#### 301. African-Americans and the Political System (3)

An overview of the African-American struggle for social, political, and legal rights; of the constraints upon the achievement of these rights; and of the major political actors involved in this struggle. Special emphasis will be given to key court decisions, legislation, and political movements affecting African-American rights and

to major electoral breakthroughs in promoting African-American political empowerment. (*Alternate years*)

#### 304. American Constitutional Law I (3)

This course analyzes the institutional authority of government as it is explained in the U.S. Constitution and interpreted by important Supreme Court decisions. Topics will include judicial review, nation-state relations, foreign affairs, and economic liberties. In addition, this course will also attempt to further the student's understanding of the judicial process through insider accounts and participation in a mock trial. Finally the course material will be used to improve oral and written communication skills.

#### 305. American Constitutional Law II (3)

This course is designed to provide

the student with a basic knowledge of the major constitutional issues regarding the rights of the individual in the U.S. It also explores the Constitution and the evolution of American law in such areas as freedom of expression, political participation, equal protection, right to privacy, and criminal procedure. In addition, this course will work to improve oral and written communication skills via written assignments and oral presentations. (*Alternate years*)

### **306. Parties and Political Behavior In America (3)**

An analysis of political parties, the party system, interest groups, political socialization, political culture, public opinion, voting behavior, and other aspects of political behavior in the United States. (*Alternate years*)

### **307. Introduction to Public Administration (3)**

An introductory survey of the principles, functions, and processes of public administration with specific emphasis on the political aspects and environment of bureaucracies and the how and why of policy making within an administrative system. Organizational values, traditions, and objectives are analyzed. (*Alternate years*)

### **309. Introduction to Public Policy (3)**

Analysis of political and organizational processes that influence the formulation and implementation of public policy. Special attention will be given to the formulation, implementation, and evaluation of various public policies. Further, the course is intended to develop some skills for the evaluation and design of policies. (*Alternate years*)

### **311. Elections and Campaign Management (3)**

A study of the American electoral process and the craft of managing political campaigns. Special emphasis will be given to campaign organization, message development, fundraising, opposition research, and media relations. The course will also

reflect on how campaigns fit into our conception of what it means to be a democratic society. (*Alternate years*)

### **312. Politics and the Media (3)**

(Prereq: PLSC 201 or 202) This course examines the way in which modern mass media have altered the dynamics of democratic politics in the United States. More generally, the course will analyze the ways that the mass media influence how we think and act in the political world. Specific topics include how media influence citizenship and democratic governance, how news is made, and the impact that media have on individuals, political institutions, policy making, and the prospects of democratic deliberation. (*Alternate years*)

### **313. The American Presidency (3)**

A study of the “central institution” of the American political system from these and other perspectives: personality and structure in shaping presidential character, the domestic and international presidencies, evolution of the institution and theories about its role, presidential election, and federal public administration. (*Alternate years*)

### **314. Congress and Legislative Process (3)**

A study of the United States Congress and the process by which it operates. Issues explored include the selection of members, leadership, budgeting, the role of committees, and executive-legislative relations. Additionally, the differences between the House and Senate, the development of public policy, and the changing nature of the process will be explored. (*Alternate years*)

### **316. State and Local Politics (3)**

This course will examine selected aspects of the theory, powers, structure, processes of and interrelationships between state and local governments in the United States. The course will also

include an examination of the major factors contributing to conflict and cooperation in state and local governmental environment.

### **317. Interest Groups and Lobbying (3)**

An analysis of interest group development, maintenance, and conduct in the governmental process. This course focuses on the larger concept of advocacy in a democracy as well as strategic and tactical decisions that groups must make when attempting to influence government policy. The particular case of state legislative lobbying in South Carolina is used to explore these two objectives.

### **319. Southern Politics (3)**

An analysis of the contemporary politics and governments of the southern states. The course provides an understanding of political development in each of the former confederate states and an overview of driving political forces in the region such as the rise of the GOP, the empowerment of African-Americans, and the role of southerners in Congress and presidential selection. Attention is also given to the prominence of personality in the politics of the South. (*Alternate years*)

## **Political Theory**

### **322. American Political Thought (3)**

The course will examine the different ways American political thinkers and activists have envisioned democracy. Attention will be given to the principles of the Declaration of Independence and the Constitution as developed by Mason, Jefferson, Madison, and Hamilton and to the interpretation of these principles by such statesmen as Jackson, Lincoln, Theodore Roosevelt, Herbert Hoover, and Franklin Roosevelt. Other topics will include African-American political thought, women's rights, and current liberal-conservative debate.

**323. Quest for the Ideal (3)**

This seminar course will focus upon human efforts to create the ideal in social and political life. Participants will read extensively from the literature of utopia, dystopia, and satire; examine important historical designs for perfection; and visit accessible intentional communities in this region. (*Alternate years*)

**324. Classical Political Thought (3)**

An examination of selected political thinkers from the Greek tradition to the Renaissance with an emphasis on ideas concerning the nature of politics and the origins and ends of government. (*Alternate years*)

**326. Modern Political Thought (3)**

The course examines the political ideas and theories of such thinkers as Hobbes, Locke, Rousseau, Marx, and Mill that helped shape the modern period of politics.

**327. Contemporary Political Thought (3)**

This course is designed to create a deeper understanding and interest in contemporary issues in political thought such as neo-liberalism, neo-conservatism, nationalism, globalization, theopolitics, and Islamism. (*Alternate years*)

## International Relations/ Comparative Politics

**331. International Relations (3)**

This course is an analysis of international relations as a political process with emphasis on patterns of policy formulation, conflict, and cooperation. Selected case studies will be used to supplement the theoretical material.

**332. American Foreign Policy (3)**

A study of the conduct and content of American foreign policy since the Second World War including foreign policy formulation, operation, and case studies of implementation. (*Alternate years*)

**352. Politics of Modern China and Asia (3)**

With China's phenomenal economic development since 1978, the impact of China's emergence in increasingly felt around the world. Along with China's rise, Japan remains an economic giant and India is rapidly catching up as a serious contender for regional economic and political supremacy. The first half of this course introduces students to China's culture, history, politics, economy, and foreign relations, and discusses the challenges and opportunities brought by China's rise for the United States. The second half of the course compares the politics of China, Japan, and India, and discusses the implications of their regional rivalry. (*Alternate years*)

**355. Russia and Eastern Europe (3)**

An account of the histories and political cultures and processes of Russia, of other polities of the former Soviet Union, and of European nations previously parts of the "socialist bloc." Focus upon political and economic transformation during and since the Gorbachev era.

**370. Third World Underdevelopment and Politics (3)**

(Prereq: PLSC 201 or SOC 201; crosslisted with SOC 370) An examination of the political, economic, and social factors that have led to the present state of underdevelopment in the Third World. Social scientific theories of underdevelopment and the role of the political system in the process of development are analyzed. The particular cases of Central America and East Africa are examined.

**380. West European Politics (3)**

A survey of the political systems, parties and contemporary issues of Western Europe. The course will also examine the role of the European Community (EC) and individual nation states as case studies. (*Alternate years*)

**387. Middle East Politics (3)**

This course provides a survey of

various political systems in the Middle East. The emphasis is upon the evolution of the state system and its contemporary challenges. Topics include nationalism; the role of secular and religious forces; economics development; regional dynamics and their relationship to international politics.

**398. Honors Research (3-6).** See page 22.

**440. Senior Capstone in Political Science (3)**

This course provides political science majors with the opportunity to apply what they have learned in political science classes over their college careers to fundamental concepts of government and political issues of the day as well as examining the relationship between the study of political science and career choice. These aims will be pursued in a two-part strategy. First, students will demonstrate the knowledge and skills that they have developed within the major by a standardized exit exam, written assignments, and oral presentations/discussions. Second, the course will expose students to the various career paths that are open to political science majors by guest lecturers and/or field trips.

**442. Directed Studies (1-6).** See page 24.

Course designed to allow the student to pursue a topic of special interest under the direction of a member of the department. Hours and credit will be determined by the nature of the student's program of study. A maximum of six hours of credit may be earned in directed study.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects (3-6).** See page 24.

**458. Special Topics.** See page 24.

# PRE-LAW STUDIES

Associate Professor Donald R. Raber, II, Director

## Requirements for the Minor in Pre-Law Studies

The intent of this minor would be to familiarize students interested in a legal career with some of the prominent subject areas that they will see in their first year of law school. While a course of study in itself cannot increase a student's chance of admission, this will expose the student to some of the subjects that will be studied.

24 hours are required for the minor in pre-law studies.

I. Core: 6 courses for a total of 18 hours chosen from: SPCH 201; ACCT 203; BADM 301; ECON 202; PLSC 304; and a law-related internship (PRLW 444) approved by the student's pre-law advisor.

II. Electives: 2 courses for a total of 6 hours chosen from: BADM 325; ENGL 219; PHIL 205; PLSC 305; SOC 309.

### **SPCH 201. Public Speaking (3)**

An introduction to the basic principles of effective communication. Speeches assigned on various topics and constructive criticism given. Poise and skill in public presentation of speeches emphasized.

### **ACCT 203. Principles of Financial Accounting (3)**

This course provides an introduction to accounting as a device for reporting business activities. The underlying principles of accounting for assets, debt, and owners' equity are studied in addition to the preparation and interpretation of financial statements.

### **BADM 301. Business Law (3)**

(Junior standing or consent of instructor) Designed to give students a comprehensive knowledge of the principles of law pertaining to routine business transactions. Topics include sources of contracts, sales, the Uniform Commercial Code (UCC), title risk of loss, and product liability.

### **BADM 325. Managerial Communication (3)**

(Prereq: C or better in English 110 or 111) A case-based class in which students analyze business problems and propose persuasive solutions. Students share leadership in a seminar-style class as they strengthen

writing and speaking skills through peer-evaluated memos, letters, and reports. The course requires weekly writing assignments. Limited enrollment.

### **ECON 202. Principles of Microeconomics (3)**

The study of microeconomic concepts, price theory, individual and firm choice, market structures, and the distribution of income.

### **ENGL 219. Studies in Linguistics (3)**

(Required of all English majors) A survey of the history of the English language, an introduction to modern theories of English grammar, and a rigorous review of usage rules for written English.

### **PHIL 205. Logic (3)**

A study of how to analyze, evaluate, and present arguments. The class will examine arguments in many fields, including law, science, economics, politics, religion, and philosophy. The class will also pay attention to the most effective ways to present arguments.

### **PLSC 304. American Constitutional Law I (3)**

This course analyzes the institutional authority of government as it is explained in the U.S. Constitution and interpreted by important Supreme Court decisions. Topics

will include judicial review, nation-state relations, foreign affairs, and economic liberties. In addition, this course will also attempt to further the student's understanding of the judicial process through insider accounts and participation in a mock trial. Finally the course material will be used to improve oral and written communication skills.

### **PLSC 305. American Constitutional Law II (3)**

This course is designed to provide the student with a basic knowledge of the major constitutional issues regarding the rights of the individual in the U.S. It also explores the Constitution and the evolution of American law in such areas as freedom of expression, political participation, equal protection, right to privacy, and criminal procedure. In addition, this course will work to improve oral and written communication skills via written assignments and oral presentations. *(Alternate years)*

### **SOC 309. Criminology (3)**

(Prereq: SOC 201 or consent of the instructor) Crime, delinquency, and correction in American society. Police and legal problems.

### **PRLW 444. Internship (3)**

# PSYCHOLOGY

Professor Jerry D. Frey, Chair  
 Professor Marion T. Gaines, IV  
 Professor Ann B. Stidham  
 Assistant Professor J. Alicia Askew  
 Assistant Professor Brooke C. Spatta

## Requirements for the Major and Minor in Psychology

A major in psychology is designed to provide students with a sound background in the discipline and to provide the flexibility that enables them to plan for a variety of career options by individualizing the major. Required courses are PSYC 201, 205, 307, 316; STAT 320; PSYC 440; and one course from each of three groups:

- Group I: PSYC 212, 213, 214
- Group II: PSYC 301, 310, 312
- Group III: PSYC 318, 403, 406, 407

Four additional courses in psychology will be selected in consultation with the advisor. Although these may not include PSYC 444 or 448, these two offerings are highly recommended to students who qualify.

Students minoring in Psychology must take 18 hours in psychology including PSYC 201 with the other 15 hours to be selected from any 200-, 300-, or 400-level courses. STAT 320 is not required but may count as one of these five courses.

## Additional Program Planning

The psychology advisor will work closely with the students to plan a program consistent with his or her career intentions. Several examples of such career options are listed below with suggested electives for students to consider.

**Graduate Study in Psychology:** Two or three courses from each of groups II and III above; courses in natural and computer sciences; and PSYC 444 and/or 448.

**Graduate Study in Student Services:** PSYC 213 from group I; PSYC 310 and 312 from group II; PSYC 444 and selections from PSYC 303, 311, 402, and 404.

**Graduate Study in Social Work:** Two or three courses from group I; two or three courses in group II; PSYC 444; the minor in sociology; and selections from PSYC 311, 330, 402, and 404.

**Graduate Study in Speech Pathology:** Two courses from each of groups I and II; SPCH 200; PSYC 407 and either PSYC 318 or 406 from group III; biology and special education courses; PSYC 444 and/or 448; plus selections from PSYC 305, 402, and 404.

**Career in Public Relations and Advertising:** Courses from group I; PSYC 312 from group II; PSYC 406 from group III; BADM 225; business courses including marketing; courses in art, music, theatre, and speech; PSYC 444; plus selections from PSYC 310, 322, 404, and 405.

**Career in Counseling:** PSYC 301 and 310 from group II; PSYC 318 or 403 from group III; PSYC 444 and/or PSYC 448; PSYC 402 and 404.

**Career in Human Resources:** PSYC 312 from group II; PSYC 403 or 406 from group III; a business minor; courses in computer science; PSYC 444; and selections from PSYC 322, 402, and 405.

## Psychology (PSYC)

### 201. Introductory Psychology (3)

Survey of the various topics of study in modern psychology and the different approaches to understanding these areas. Topics include sensation, perception, learning, memory, motivation, emotion, behavior pathology, social interaction, and personality.

### 205. Experimental Study of Behavior (4)

(3 hrs lecture, one lab weekly; prereq: PSYC 201) Experimental, survey, and observational methods of data collection. Emphasis on the role of theories, the logic of hypothesis testing, control of variables, correlational techniques, and data description and interpretation. Includes student participation in research projects covering a variety of content areas.

### 212. Child Psychology (3)

(Prereq: PSYC 201) A study of developmental psychology from conception to adolescence, including theories of child psychology and descriptive characteristics marking physical, social, and cognitive growth at each period of development. Special attention is given to the cultural and social forces that influence children and their development. Field experiences with children are available.

### 213. Adolescent Psychology (3)

(Prereq: PSYC 201) Principles and theories of adolescent psychology, including biological, cognitive, social, identity, and moral development. Attention to topics of current interest and opportunities for field experience with adolescents.

### 214. Psychology of Adulthood and Aging (3)

(Prereq: PSYC 201; open to sophomores and above) A study of the theoretical and research knowledge about physical, intellectual, social and personality development that takes place from adulthood until death. Several specific issues of adulthood and aging such

as marriage, parenthood, family, vocations, retirement, and death are discussed.

### 217. Lifespan Development (3)

(Prereq: PSYC 201) Human development from birth to old age will be explored through the study of developmental processes and theories. Emphasis is placed on development as a life-long process and how these processes affect human behavior. This course will include an examination of all forms of development across the lifespan: physical, cognitive, social, psychological, moral, and linguistic.

**258. Special Topics (1-6).** See page 24.

### 301. Abnormal Psychology (3)

(Prereq: PSYC 201) Integrative and multidimensional study of abnormal behavior. Disorders studied according to diagnostic classification, etiology, and treatment. Includes case studies presented by persons with disorders.

### 303. Educational Psychology (3)

(Prereq: PSYC 201) The principles and procedures of learning psychology applied to education with study of such topics as variables that affect learning, planning, directing, and evaluating learning. Attention is directed to contrasting theories of human learning as applied in educational settings.

### 307. Tests and Measurements (3)

(Prereq: PSYC 201) A study of the basic theory of testing as it relates to the practices of test construction, evaluation, and interpretation. Emphasis on a thorough treatment of the principles of achievement, aptitude, intelligence, and personality assessment.

### 310. Theories of Personality (3)

(Prereq: PSYC 201) A detailed study of classical and contemporary theories of personality. Theories studied according to classification, place in history of psychology, key concepts, personality development

and dynamics, research methods and findings, application, and evaluation.

### 311. Personality Development in Young Adulthood (3)

(Prereq: PSYC 201; PSYC 310 recommended) An applied course in personality derived from personality theories explaining young adulthood. Topics and issues of relevancy in this life stage are studied in-depth. Increased self-understanding is the objective.

### 312. Social Psychology (3)

(Prereq: PSYC 201 or SOC 201; crosslisted with SOC 312) A study of the relation of the individual to the social group. Topics include conformity, obedience, attitudes and persuasion, aggression, prejudice, and attraction.

### 315. Psychology of Religion (3)

(Prereq: PSYC 201 or consent of instructor; crosslisted with RELG 315) This course focuses on religious beliefs, religious feelings, and behavior from a psychological perspective. Issues of interest include: religious development, conversion, the role of religious faith in promoting health and well-being in the individual and compassion for others. The secular value of religion within a society and religion from an evolutionary perspective will also be explored. (*Alternate years*)

### 316. Systems and Theories of Psychology (3)

(Prereq: PSYC 201) A study of the history of psychology and its development as a science. Emphasis on the major schools of thought of the past century including structuralism, functionalism, behaviorism, and Gestalt psychology. The effect of these movements on approaches to contemporary problems is stressed.

### 318. Physiological Psychology (4)

(3 hrs lecture, 3 hrs lab weekly; prereq: PSYC 201; recommended: BIOL 101-102 and minimum of 6 hrs in psychology) Examines the biological

bases of human behavior with primary emphasis upon the anatomy, physiology, and biochemistry of the nervous system. The biological substrates of motivation, sensation perception, emotion, and learning are investigated. Also designed to acquaint student with research techniques and subsequent theories that comprise physiological explanations of behavior.

### **322. Industrial/Organizational Psychology (3)**

(Prereq: PSYC 201 or ECON 201; crosslisted with BADM 322) The application of psychology to workplace settings, including not only business and industry but also non-profit organizations such as hospitals, government, and social agencies. Topics include employment recruitment and selection, organizational communication, motivation of workers, and performance evaluation. Topics are of special relevance to students who at some point in their careers expect to be in managerial or administrative positions within an organization, be it a business or non-profit organization.

### **324. Sport Psychology (3)**

(Prereq: PSYC 201; crosslisted with PHED 324) Application of psychological principles to various aspects of sport. Topics include behavioral principles, motor learning, anxiety and arousal, mental preparation, leadership, team cohesion, audience effects, aggression, personality, assessment, gender roles, youth sport, coaching, and exercise psychology.

### **326. Criminal Behavior (3)**

(Prereq: PSYC 201) A study of the antecedents of criminal behavior and its expression in various forms. Students will be asked to adopt a systems approach in which evidence from psychological, sociological, neurological, cognitive, and behavior genetics research is considered.

### **330. Human Sexuality (3)**

(Prereq: PSYC 201) Sexuality is studied as a component of human behavior including such topics as biologically based behaviors, psychosocial influences, and communication within relationships. Informed decision-making is addressed within the contexts of respect, responsibility, and reality with sensitivity to diversity, moral values, and ethics.

### **361. Drugs and Behavior (3)**

(Prereq: PSYC 201 and junior status) This course examines basic pharmacological principles and the physiological responses and behavioral effects of drugs on humans. Considered are the psychological effects, brain mode of action, and patterns of use of psychoactive agents, including stimulants, sedative/hypnotics, hallucinogens, marijuana, alcohol, over-the-counter drugs, cognitive enhancers, anti-anxiety agents, antidepressants, and antipsychotics.

**398. Honors Research (3-6).** See page 22.

### **402. Principles and Procedures of Counseling (3)**

(Prereq: PSYC 201; PSYC 310 recommended; limited to juniors and seniors) Study of theories, principles, and procedures of counseling. Emphasis on dynamics of behavior and communication skills. Application to human services professions

### **403. Experimental Psychology: Principles of Learning and Behavior (4)**

(3 hrs lecture, 3 hrs lab weekly; prereq: PSYC 201 and 205) Theoretical and atheoretical approaches to the study of classical and instrumental conditioning, discrimination learning, and reinforcement. Includes discussion of the practical applications of these principles and an opportunity for individual investigation.

### **404. Group Dynamics (3)**

(2 hrs lecture; 2 hrs lab weekly; prereq: PSYC 201; PSYC 402 recommended)

Integrates theories and techniques for leading groups in human service settings. Students participate in experiential learning. Limited enrollment.

### **406. Experimental Psychology: Cognition (4)**

(3 hrs lecture, 3 hrs lab weekly; prereq: PSYC 201 and 205) A study of human information processing, including a critical examination of attention, pattern recognition, memory, thinking, and problem solving. Emphasis on the evaluation of theoretical approaches both in discussion and in laboratory work.

### **407. Experimental Psychology: Sensation and Perception (4)**

(3 hrs. lecture, 3 hrs lab weekly; prereq: PSYC 201 and 205) Survey of the various sensory modalities and principles of perception that contribute to conscious experience. Topics include perception of depth, color, motion, objects, and illusions as well as clinical deficiencies and psychophysics. Lecture supplemented by lab experiments and demonstrations.

### **440. Psychology Capstone (1)**

(Senior psychology majors only) Part of the capstone requirement for all majors who have not completed independent or honors research in psychology. Students might expand upon a topic on which they have done a term paper for another psychology class or a paper integrating courses from the major with field experience in an internship. A formal oral presentation on the topic will be made to the entire psychology faculty after an acceptable paper on the topic has been accepted.

### **442. Directed Studies in Psychology (1-3).** See page 24.

(Limited to junior and senior departmental majors) In-depth study of the literature in an assigned area of psychology closely directed and supervised by instructor.



**444. Internship in Psychology (3-6).**

See page 24.

(Open to junior and senior departmental majors) Student observation and participation in a psychological field setting approved by the department. Required hours are based on college requirements and include regular class meetings.

**446. Readings.** See page 24.

**448. Research in Psychology (3-6).**

See page 24.

(Limited to junior and senior departmental majors) Empirical research in some assigned area in psychology.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

## **Statistics (STAT)**

**320. Research Statistics (4)**

(3 hrs lecture, 3 hrs lab weekly)  
A basic course in statistics with special attention to applications in behavioral, biological, and social science research. Includes organization and presentation of data, measures of central tendency and variability, sampling, regression and correlation, and hypothesis testing to include analysis of variance.

# RELIGION AND PHILOSOPHY

Associate Professor Robert A. Bryant, Chair

Professor Peter H Hobbie

Associate Professor James J. Thompson

Assistant Professor Julie M. Meadows

Assistant Professor Craig A. Vondergeest

Assistant Professor Kirk Noland

## Requirements for the Major and Minor in Religion

Students majoring in religion must take in addition to RELG 101 and 110, 30 additional hours in religion (six of which may be in philosophy). GREK 401-402 may be counted as religion courses. Among the 30 additional hours required, the following should be taken: R-CE 301; RELG 310; three hours selected from the advanced biblical courses (i.e., RELG 313, 322, 330, 332, 333, 343); three hours of philosophy; and three hours selected from the courses dealing with church history or theology (i.e., RELG 302, 355, 356, and 357); RELG 440. Any exceptions to this distribution must be approved by the advisor and the department chair.

Students minoring in religion must take 18 hours in religion courses numbered 200 or above approved by any member of the religion faculty.

## Requirements for the Major and Minor in Religion-Christian Education

Students majoring in Religion-Christian Education must take in addition to RELG 101 and 110, 15 hours of Christian education courses and 15 additional hours of religion. Required courses in Christian education are R-CE 301, 326, and 440 and two of the following three courses, R-CE 323, 324, and 325. Among the additional 15 hours of religion must be the following: RELG 302, 310; three hours selected from the advanced biblical courses; three hours of philosophy; and three additional hours to be approved by the advisor.

Students minoring in Christian Education must take 18 hours in religion including R-CE 301, 326, and 440 and two of the following three courses, R-CE 323, 324, and 325; and RELG 302.

Students minoring in Christian youth work must take 18 hours in religion including R-CE 301, 324, 326, and 440; RELG 302; and PSYC 213.

## Requirements for the Major and Minor in Philosophy

Students majoring in philosophy must take 30 hours in philosophy approved by the advisor, including PHIL 205, 301, 302, 304, and 440.

Students minoring in philosophy must take 18 hours in philosophy approved by the advisor, including PHIL 205, 301, and 304.

## Religion (RELG)

### 101. Old Testament Survey (3)

(Required of all students) A survey of the Old Testament with attention to the history of the people of Israel, the development of the Israelite faith, and the composition of the Old Testament writings.

### 110. New Testament Survey (3)

(Required of all students) A survey of the New Testament with attention to its expression of the Christian faith and the historical development of its writings.

### 220. International Mission (3)

An introductory course dealing with the mission of the Church with emphasis on the international and cross cultural aspects of that mission. Possible areas of focus include (1) Biblical basis for mission; (2) some

historical patterns of mission; (3) communicating the Gospel to people of other cultures; (4) some theological and moral issues in international mission such as hunger and justice; (5) various ways to be involved in missions today; (6) partnership with national churches. (*Alternate years*)

**258. Special Topics (1-6).** See page 24.

**280. Third World Experiences and Seminar (4)**

(Prereq: consent of the instructor; maximum enrollment, 8 students) Through experimental learning, readings, discussions, participatory learning activities, writing assignments, and study of selected biblical passages, class participants will be stimulated to critical thinking in regard to their own society. The course includes a week in a Third World country and a weekend at a homeless shelter in a large metropolitan area of the United States.

**302. Christian Doctrine (3)**

(Prereq: RELG 101 and 110 or consent of instructor) A systematic consideration of the major doctrines of the Christian faith with primary emphasis on the Protestant tradition.

**308. Judaism (3)**

(Prereq: RELG 101) An introductory overview of the writings, history, beliefs, and practices of Judaism. (*Alternate years*)

**310. World Religions (3)**

(Prereq: RELG 101 and 110 or consent of instructor) An examination of the history, teachings, and practices of the major non-Western religions, including Hinduism, Buddhism, Jainism, Confucianism, Taoism, and Islam.

**311. Introduction to the Psalms (1)**

(Prereq: RELG 101 and 110) This one-hour course will consider the origins of the Hebrew Psalms and the various types of Psalms, including an in-depth study of some of the most important Psalms, the teaching of the

Psalms, and the place of the Psalms in the life of the church.

**312. Women in the Bible (1)**

(Prereq: RELG 101 and 110 or consent of instructor) This course will consider the biblical accounts of the origin of women as well as the range and significance of the Bible's portrayal of women. This course is offered in conjunction with the Women Studies Program. (*Alternate years*)

**313. The Old Testament Prophets (3)**

(Prereq: RELG 101) Begins with a study of early (pre-literary) Hebrew prophecy, moving to an examination of the literary development of the classical prophetic books. Concentration on prophets of 8th and 7th centuries B.C., especially Isaiah and Jeremiah, with attention to their relevance for modern times. (*Alternate years*)

**315. Psychology of Religion (3)**

(Prereq: PSYC 201 or consent of instructor; crosslisted with PSYC 315) This course focuses on religious beliefs, religious feelings, and behavior from a psychological perspective. Issues of interest include: religious development, conversion, the role of religious faith in promoting health and well-being in the individual and compassion for others. The secular value of religion within a society and religion from an evolutionary perspective will also be explored. (*Alternate years*)

**317. The Pentateuch (3)**

(Prereq: RELG 101) A study of the literary, historical, and theological issues arising from the first five books of the Old Testament. Special emphasis is given to the development of interpretive skills. Attention is also paid to questions of composition, archaeology, and comparative studies between the Bible and the Ancient Near East. (*Alternate Years*)

**320. Introduction to Modern Christian Thought (3)**

(Prereq: RELG 101 and 110) An introduction to the major Christian theologians of the 20th century. Both primary and secondary sources consulted.

**322. Studies in the Synoptic Gospels (3)**

(Prereq: RELG 101 and 110) An examination of Matthew, Mark, and Luke and investigation of selected problems in the Synoptic Gospels in light of historical-critical research. (*Alternate years*)

**330. Pauline Epistles (3)**

(Prereq: RELG 101 and 110 or consent of instructor) An examination of the letters attributed to Paul in light of their historical contexts with an emphasis on Romans and Galatians and their relevance for modern times. (*Alternate years*)

**332. Hebrews and General Epistles (3)**

(Prereq: RELG 101 and 110 or consent of instructor) An in-depth study of Hebrews and selected general epistles in their historical contexts along with consideration of contemporary issues related to these documents. (*Alternate years*)

**333. Johannine Studies (3)**

(Prereq: RELG 101 and 110 or consent of instructor) An intensive study of the Gospel and Epistles of John in the light of various modern methods of research and interpretation. Interpretive approaches for the study of Revelation will also be examined. (*Alternate years*)

**340. Theory of Religion (3)**

(Crosslisted with PHIL 340) What is religion? What are its origins and what is its future? Is it a source of good or evil? This course will explore contested questions about the nature of religion and the proper way to study it through a survey of various approaches and topics such as theology, philosophy, history, psychology, sociology, anthropology, and cultural studies. Our central questions will be

how to assess (a) religious claims and (b) claims about religion. (*Alternate years*)

### **343. Contemporary Use of the Bible (3)**

(Prereq: RELG 101 and 110 or consent of the instructor) What is the Bible? In what sense can it be regarded as authoritative? How can it be used legitimately as a source of present-day ethics, preaching, teaching, and personal guidance? What is the relationship of the Bible to modern history and science? These and similar questions will be addressed by considering the opinions of scholars and church leaders of varying perspectives and by critical analysis of contemporary speeches, sermons, articles, and popular literature.

### **355. Religion in America (3)**

(Crosslisted with HIST 355) A survey of the American religious experience from colonial times to the present with particular emphasis on the interaction of religion and American life. This course provides depth to the religious and social facets of American history. For history majors and minors who prefer to study American history, this course offers a desirable elective.

(*Alternate years*)

### **356. The African-American Religious Experience (3)**

(Crosslisted with HIST 356) An examination of the African-American contribution to the life of the American people from the period of slavery to the present. Particular emphasis on the relationship of African-American religion to American history and culture. (*Alternate years*)

### **357. History of Christianity (3)**

(Crosslisted with HIST 357) A historical survey of Christianity from its beginnings to the present. Particular emphasis on the development of Christian thought and its expression in the Church. Primary and secondary sources consulted. (*Alternate years*)

**398. Honors Research (3-6).** See page 25.

### **440. Capstone Seminar in Religion (3)**

This research seminar is designed to give religion majors the opportunity to identify a timely research topic, hone their research skills, write a significant research paper, present their findings in an open seminar format, and hear formal responses from their peers. Students will draw from their major course work in religious studies and across the college's curriculum to address a selected topic in a holistic and integrative fashion as both a presenter and respondent.

**442. Directed Studies (1-3).** See page 24.

(Prereq: Consent of instructor and department chair) Independent reading and/ or research in an area of the student's special interest. A plan including a statement of the purpose of the study, a bibliography, and the nature of any paper(s) to be written or project(s) to be completed must be approved by the instructor and the department chair at start of the term.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

## **Hebrew (HEBR)**

### **261-262. Biblical Hebrew (3 each sem)**

(Elective for upperclassmen) An introduction to the grammar, syntax, and vocabulary of Biblical Hebrew. Designed primarily for pre-seminary students. (*Alternate years*)

## **Greek (GREK)**

### **301-302. Elementary Greek (3 each sem)**

(Elective for sophomores, juniors, and seniors) Foundational studies of the Hellenistic Greek of the New

Testament. Emphasis on vocabulary building, rules of grammar, and syntax. Regular translation of Greek to English and English to Greek required. (*Alternate years*)

### **401-402. Advanced Greek (3 each sem)**

(Prereq: GREK 301-302; elective for juniors and seniors) Concentrates on reading selected texts from the New Testament to improve facility with the language and understanding of more advanced points of grammar and syntax. (May count toward religion major.) (*Alternate years*)

## **Christian Education (R-CE)**

### **301. Introduction to Christian Education (3)**

A survey of the foundational issues underlying Christian education with an emphasis on biblical, theological, philosophical, historical, and psychological themes. Significant time will also be dedicated to curriculum and design and the selection of curriculum resources. Activities and discussions take place against the background of observations in a local church.

### **323. Christian Education of Children and Families (3)**

(Prereq: R-CE 301 or consent of instructor) An analysis of practices and programs in family and child education in the church from a developmental perspective. Emphasis on lesson planning and the development of teaching skills. (*Alternate years*)

### **324. Christian Education of Youth (3)**

(Prereq: R-CE 301 or consent of instructor) An analysis of contemporary culture and the role Christian education can play in the lives of young people. Emphasis on program design and the development of teaching skills. (*Alternate years*)

### **325. Christian Education of Adults (3)**

(Prereq: R-CE 301 or consent of instructor) An analysis of contemporary culture and the role

Christian education can play in the lives of adults and older adults. Emphasis on program design and the development of teaching skills (*Alternate years*)

### **326. Recreation Leadership in Christian Education (3)**

(Prereq: R-CE 301 or consent of instructor) A study of recreational resources and materials, the philosophy of recreation, and its place in the church. Emphasis on development of leadership skills.

### **405. Field Work in Christian Education (1.5-3)**

(Prereq: R-CE 301 or consent of instructor) Supervised field work in a church or institution done in the area of the student's interest (youth, handicapped, children, etc.) and approved by the professor. May be completed in one or two semesters or a summer. (*Alternate years*)

### **440. Christian Education Capstone: Program and Leadership Development (3)**

(Prereq: R-CE 301 or consent of instructor) An analysis of the profession of Christian education and how educational programs and leadership are exercised in the church. Students will do research projects and make public presentations of their findings.

## **Philosophy (PHIL)**

### **203. Introduction to Ethics (3)**

A study of what it means to live a good human life, including reflection on questions of good versus evil, right versus wrong, and virtue versus vice. In the course of our study, we will explore ethical questions that confront us as individuals, as members of society at large, and as members of more specific communities.

### **205. Logic (3)**

A study of how to analyze, evaluate, and present arguments. The class will examine arguments in many fields, including law, science, economics,

politics, religion, and philosophy. The class will also pay attention to the most effective ways to present arguments.

**258. Special Topics (1-6).** See page 24.

### **301. Ancient Philosophy (3)**

A study of the Presocratic Philosophers and the major works of Plato and Aristotle. (*Alternate years*)

### **302. Medieval Philosophy (3)**

A study of the major philosophers of the Middle Ages, from Augustine and Boethius through Aquinas and Ockham, including important Islamic and Jewish philosophers of the period. (*Alternate years*)

### **304. Early Modern Philosophy (3)**

A survey of European philosophy from Descartes through Kant with special emphasis on epistemology, metaphysics, and questions of religious belief. (*Alternate Years*)

### **305. 19th Century Philosophy (3)**

(Prereq: PHIL 304 or consent of instructor) A survey of European philosophy from Kant to Nietzsche. Attention will be given to idealism, positivism, utilitarianism, and roots of existentialism.

### **306. Continental Philosophy (3)**

(Prereq: Consent of instructor) In this seminar course, students will focus on careful reading of some of the pivotal texts of Continental philosophy. Through discussion and writing, we will explore the major areas of Continental thought: phenomenology, hermeneutics, critical theory, and deconstruction. (*Alternate years*)

### **308. Analytic Philosophy (3)**

(Prereq: Consent of instructor) A survey of Analytic Philosophy in the 20th and 21st centuries, with an emphasis on the continuity with the history of Western philosophy. Questions to be discussed include: methodology, epistemology, metaphysics, language, mind, freedom, determinism, per-

sonal identity. (E.g., How do we know what we think we know? What is there in the world? What does it mean to be a self? What does it mean to be meaningful?) (*Alternate years*)

### **310. Philosophy of Science (3)**

A study of the nature of science with special attention to the history of western science. The class will consider the scientific theories and methods of Aristotle, Copernicus, Galileo, Newton, and Einstein. It will also consider the relationships of natural science to other areas such as religion, philosophy, and the social sciences.

### **315. Medical Ethics (3)**

An introduction to moral issues in modern health care and to ethical concepts and analytic skills relevant to addressing them. We will focus on classic cases in the development of medical ethics.

### **316. Business Ethics (3)**

(Crosslisted with BADM 316) A study of ethical issues in business with the aim of strengthening our moral discernment and practical judgment. We will focus on classic and contemporary cases in the ethics of business.

### **317. Environmental Ethics (3)**

What matters? Why does it matter? And what should we do about it? This course will survey the challenges that environmental concerns present to traditional ethical theory and practice. In particular, we will explore the relation of human and non-human value, as environmental issues (such as global warming and species extinction) intersect with human problems (such as poverty, population growth, and economic development). (*Alternate years*)

### **322. Aesthetics (3)**

(Crosslisted with ART 322 and THEA 322) A consideration of beauty and what various philosophers such as Plato, Aristotle, Hume, and Kant had to say about it. The class will also consider art forms such as

painting, sculpture, poetry, music, and photography to appreciate the presence or absence of beauty therein.

**325. Faith and Reason (3)**

A study of the relationship between faith and reason, focusing on how each might complement, contradict, or correct the other. (*Alternate years*)

**330. Philosophy of Law (3)**

A survey of philosophical understandings of law, in theory and in practice. Topics of discussion will include the basis of law and legal reasoning, the moral force of law, and theories of rights, responsibilities, and punishment in criminal, civil, constitutional, and international law. (*Alternate years*)

**340. Theory of Religion (3)**

(Crosslisted with RELG 340) What is religion? What are its origins and what is its future? Is it a source of good or evil? This course will explore contested questions about the nature of religion and the proper way to study it through a survey of various approaches and topics such as theology, philosophy, history, psychology, sociology, anthropology, and cultural studies. Our central questions will be how to assess (a) religious claims and (b) claims about religion. (*Alternate years*)

**350. Social Philosophy (3)**

A survey of major accounts of the origins, purposes, benefits, and dangers of human social systems. The course will include writings from Plato, Aristotle, Augustine, Hobbes, Locke, Rousseau, and others. Special attention will be given to the role of imagination in these writings.

**360. Women and Philosophy (3)**

(Prereq: Consent of instructor) How do gender, embodiment, and social situation impact philosophical thought? This course introduces students to the writings of major female philosophers from ancient times to the present. Students will be asked to grapple with the questions

raised by women in philosophy and to explore the difference feminist methods make to our approach to philosophical problems. (*Alternate years*)

**398. Honors Research (3-6).** See page 24.

**410. Philosophy and Music (3)**

What is music? Why is it important? This course surveys a number of philosophical approaches to these questions, ranging from Ancient Greek thought to contemporary feminist perspectives.

**440. Senior Capstone in Philosophy (3)**

(Senior majors only) In the senior capstone, students will draw on what they have learned over the course of the major to research a specific question or topic in philosophy. This research will culminate in a substantial paper and a public presentation to the college community.

**442. Directed Study in Philosophy (1-3).** See page 24.

(Enrollment by consent of instructor and department chairman) Independent reading and/or research in an area of the student's special interest. A plan including a statement of the purpose of the study, a bibliography, and the nature of any papers or projects must have prior approval of the instructor and department chairman.

**444. Internships.** See page 24.

**446. Readings.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.

# SOCIOLOGY

Professor Robert H. Freymeyer, Chair  
Professor Charles McKelvey  
Associate Professor Carla H. Alphonso

## Requirements for the Major and Minor in Sociology

**Major in Sociology:** 30 hours in sociology are required for the major, including SOC 201, 311, 423, and 424. At least one course must be taken in the area of social change selected from the following: Urban Sociology (310), Sociology of Aging and the Life Course (325), World Population Issues (360), or Social Movements (366). At least two courses must be taken in the area of social and cultural variations selected from the following: Sociology of the Contemporary South (303), Social Inequality (362), Sociology of Gender (363), Race and Ethnic Relations (364), and Third World Underdevelopment and Politics (370). Majors must also complete a paper portfolio containing three papers at least one of which must be a research paper with data analysis and at least one must present different viewpoints on various issues.

An academic advisor will work closely with the student in the selection of other departmental courses to complete the major. Specific course work is recommended for students pursuing various interests. For example, students interested in **social/human services** might choose from SOC 206, 302, 303, 309, 310, 325, 360, 362, 363, and 364. Students interested in **global studies/international issues** might include courses such as SOC 206, 310, 326, 360, 362, 366, and 370. Those wanting to pursue **applied administrative or criminal justice** positions might want to take 206, 302, 303, 305, 309, 310, 326, 360, 362, 363, and 364. Students planning to pursue **graduate studies** might include 311, 312, 326, 360, 362, 442, 446, or 448 to pursue studies in an area of interest. Additionally, students pursuing graduate studies in sociology might want to take an additional statistics course (e.g., STAT 319 or 320).

**Minor in Sociology:** 18 hours in sociology including 201 are required for the minor. Of the remaining fifteen semester hours, twelve semester hours must be earned in courses numbered 300 or above.

## Sociology (SOC)

### 201. Introductory Sociology (3)

Overview of structure and dynamics of human societies. Topics include culture, social organization, institutions, communities, social stratification, population, and social change.

### 206. Social Problems (3)

Problem areas in our society, including medical care, poverty and dependency, crime, alcoholism, sexual deviancy, race relations, and environmental concerns. (*Alternate years*)

### 207. Introduction to Anthropology (3)

Study of people as cultural being. Includes recent findings of physical anthropology and archaeology as well as in-depth study of selected non-literate societies.

**258. Special Topics (1-6).** See page 24.

### 302. Marriage and the Family (3)

(Prereq: SOC 201 or consent of the instructor) A sociology of the family, including those in other cultures. A functional study of marital problem-areas, including sexuality, parenthood, and aging.

### 303. Sociology of the Contemporary South (3)

(Prereq: SOC 201 or consent of the instructor) An examination of continuity and change in the subculture of the American South. Consideration will be given to regional identity, stereotypes, and images and to institutions found in the contemporary South. Also includes discussion of the South's future as a distinctive region. (*Alternate years*)

### 309. Criminology (3)

(Prereq: SOC 201 or consent of the instructor) Crime, delinquency, and correction in American society. Police and legal problems.

### 310. Urban Sociology (3)

(Prereq: SOC 201 or consent of the instructor) The human community as unit of social organization. Topics include historical development of cities, development of suburbs, urbanism as a way of life, metropolitan dynamics, and urban problems. Consideration of urban areas throughout the world. (*Alternate years*)

### 311. Sociological Theory and Social Policy (3)

(Prereq: SOC 201 or consent of instructor) An examination of the

major theorists of the classical period of sociology and the major theoretical perspectives that have emerged in the contemporary period. The course analyzes the social foundations of the various perspectives and focuses on the implications of the various theories for social policy.

### **312. Social Psychology (3)**

(Prereq: SOC 201 or PSYC 201; crosslisted with PSYC 312) A study of the relation of the individual to the social group. Emphasis on social factors in perception, motivation, emotion, crowd behavior, and prejudice.

### **325. Sociology of Aging and the Life Course (3)**

(Prereq: SOC 201) A study of the social phenomenon of aging. Special attention is given to social roles of the elderly in the family, economy, community, and religion. Further consideration will be given to special problems facing the elderly such as health, care giving, and poverty and to exploring the role of the state in helping older adults.

### **326. Sociology of Work and Occupations (3)**

(Prereq: SOC 201) A study of sociological perspectives on the changing nature and organization of work and the economy within American society and globally. Inequalities on the basis of gender, age, race, and social class are explored. Work structures, types of occupations, and global capitalism are also considered. (*Alternate years*)

### **360. World Population Issues (3)**

(Prereq: SOC 201 or consent of instructor) Analysis of human population, its size, distribution, structure, and change from the social demographic perspective. Topics include fertility, mortality, migration, population trends, and population issues and policies.

### **362. Social Inequality (3)**

(Prereq: SOC 201 or consent of instructor) Examination of social

inequality in American society from a sociological perspective. Topics include class divisions, unequal access to goods and services, means utilized to maintain social inequality and the dynamics of gender inequality. (*Alternate years*)

### **363. The Sociology of Gender (3)**

(Prereq: SOC 201) A sociological analysis of the development and role of gender in human society. The course addresses how gender is socially constructed and the key issues for men and women that emerge in diverse social environments such as the home and workplace and in educational, religious, and political institutions.

### **364. Race and Ethnic Relations (3)**

(Prereq: SOC 201 or consent of the instructor) An examination of sociological perspectives on majority-minority relations and of the histories and cultures of particular racial and ethnic groups in the United States, including Afro-Americans, Native Americans, Mexican-Americans, Puerto Ricans, Chinese-Americans and Japanese-Americans. (*Alternate years*)

### **366. Social Movements (3)**

(Prereq: SOC 201 or consent of instructor) A study of the general characteristics of social movements. Two or more particular movements such as the African-American movement, Third World national liberation movements, the women's movement, and the ecology movement will be discussed. (*Alternate years*)

### **370. Third World Underdevelopment and Politics (3)**

(Prereq: SOC 201 or PLSC 201 or consent of instructor; crosslisted with PLSC 370) An examination of the political, economic, and social factors that have led to the present state of underdevelopment in the Third World. Social scientific theories of underdevelopment and the role of the political system in the process of development are analyzed. The

particular cases of Central America and East Africa are examined.

**398. Honors Research (3-6).** See page 22.

### **423. Research Methods (3)**

(Prereq: Consent of instructor) Research methods in the social sciences including causal analysis, sampling, scale construction, research designs, data analysis, and research proposals.

### **424. Field Inquiry in Sociology (3)**

(Prereq: SOC 423) Students design and execute research projects under supervision. Introduction to data analysis and computer usage. Final paper must be presented orally.

**442. Directed Studies.** See page 24.

**444. Internships.** See page 24.

**446. Reading.** See page 24.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects.** See page 24.

**458. Special Topics.** See page 24.



# SOUTHERN STUDIES

Margaret McGehee, Director  
Professor Robert H. Freymeyer  
Professor Peter H Hobbie  
Professor Anita O. Gustafson  
Associate Professor Donald R. Raber, II

## Requirements for the Minor in Southern Studies

Students must take 18 hours for the minor in Southern Studies, including SOST 205 plus 15 hours from the following: ENGL 209, 314, 334, 347; HIST 322, HIST 337, PLSC 301, PLSC 319, HIST/RELG 356, SOC 303, and any appropriate other courses as developed and approved.

## Southern Studies (SOST)

### **SOST 205. Introduction to Southern Studies (3)**

An introduction to the culture, history, literature, and art of the South, covering periods from the earliest settlers to contemporary times.

### **SOST 314. Southern Literature (3)**

(Prereq: ENGL 206 for English majors and minors or SOST 205 for Southern studies minors, crosslisted with ENGL 314) A survey of significant Southern writing from Colonial days to the present. Particular attention will be paid to the writers of the twentieth century. (*Alternate years*)

### **HIST 322. Young America, 1800-1865 (3)**

A study of the issues confronting a new nation, including the rise of democracy, the exploration of the frontier and westward expansion, slavery and the South, benevolence and reform, and sectionalism and the Civil War.

### **HIST 337. History of the South (3)**

A survey of the history and culture of the South from the period of early settlement to the present. Special attention will be given to the Old South, the institution of slavery,

the Civil War and Reconstruction, the New South, the Civil Rights movement, and the South in the Modern Era.

### **PLSC 301. African-Americans and the Political System (3)**

An overview of the African-American struggle for social, political, and legal rights; of the constraints upon the achievement of these rights; and of the major political actors involved in this struggle. Special emphasis will be given to key court decisions, legislation, and political movements affecting African-American rights and to major electoral breakthroughs in promoting African-American political empowerment. (*Alternate years*)

### **PLSC 319. Southern Politics (3)**

An analysis of the contemporary politics and governments of the southern states. The course provides an understanding of political development in each of the former confederate states and an overview of driving political forces in the region such as the rise of the GOP, the empowerment of African-Americans, and the role of southerners in Congress and presidential selection. Attention is also given to the prominence of personality in the politics of the South. (*Alternate years*)

### **RELG 356. The African-American Religious Experience (3)**

(Crosslisted with HIST 356) An examination of the African-American contribution to the life of the American people from the period of slavery to the present. Particular emphasis on the relationship of African-American religion to American history and culture. (*Alternate years*)

### **SOC 303. Sociology of the Contemporary South (3)**

(Prereq: SOC 201 or consent of the instructor) An examination of continuity and change in the subculture of the American South. Consideration will be given to regional identity, stereotypes, and images and to institutions found in the contemporary South. Also includes discussion of the South's future as a distinctive region. (*Alternate years*)

# THEATRE

Professor Lesley Preston, Chair  
Associate Professor Miriam Ragland  
Assistant Professor Cristian Bell

## Requirements for the Major and Minor in Theatre

Students majoring in theatre are required to take 42 semester hours, including 24 hours of core requirements and 18 hours of electives. Courses counting towards the major may not be used to fulfill general education requirements.

**Core Requirements:** THEA 120, 220, 221, 223, 227, 290 (3 sections), 401, 360, and 460. Under special circumstances, the departmental advisor may allow substitutions in the core requirements if the spirit of the original course is met in the substitution.

The major program in theatre leads to a B.A. degree and is designed to provide students with a comprehensive understanding of the role theatre plays in society. Students may emphasize a variety of areas in the general discipline of theatre by individualizing the major within the 18 hours of electives. The theatre advisor will work closely with the students to plan a program consistent with their interests. Several examples of such programs are listed below with suggested electives for students to consider. In addition, as part of the requirements for THEA 460, senior students are expected to produce a capstone project that reflects their area of interest.

Students with an interest in theatre history should complete THEA 321, 322, 350, 356, and two additional theatre courses numbered 200 and above. Students considering graduate work in theatre history are advised to minor in English with course work that includes ENGL 310 and ENGL 325.

Students with an interest in acting and directing should complete THEA 224, 321, and 323; SPCH 200; and two additional theatre courses numbered 200 and above. Serious acting students are advised to take voice lessons through the Department of Music and to spend at least one summer pursuing an acting internship.

Students with an interest in scenography and technical theatre should complete THEA 321, 327, 328, 329, and two additional theatre courses numbered 200 and above. Students considering graduate work in design are encouraged to minor in art or add the major in fine arts with an art emphasis, taking courses recommended by the design professor.

Students with an interest in dance and choreography should complete THEA 224, 321, 324, 325, and two additional theatre courses numbered 200 and above. Serious dance students are advised to spend at least one summer pursuing further dance training under the advisement of the dance professor.

Students with an interest in film studies should complete ART 270, 300, THEA 211, ENGL 323, and two additional theatre courses numbered 200 and above. Students interested in film production should consult with their advisor about recommended summer/semester abroad programs.

Students with an interest in communications should complete THEA 323, an internship in communications (THEA 444), SPCH 200 and 201, INTD 300, and an English course in creative writing. Students interested in careers or further study in communications are encouraged to pursue the minor in media studies/journalism track.

The minor in theatre requires 18 semester hours. The students must choose six hours from THEA 220, 221, 321, 322, 350, or 356 and twelve hours from THEA 223, 224, 227, 323, 290 (3 semesters), 325, 327, 328, 329, 340, 401, and SPCH 200.

## Requirements for the Minor in Arts Administration

The minor in arts administration requires a total of 22 semester hours and can be completed in one of the following areas: public relations, box office management, house management, art gallery curation, stage management, and other approved areas. Required courses are: ART 220, ACCT 203, and ECON 202; BADM 325 or SPCH 201; BADM 307, 315, or 353; a one-hour seminar in arts administration; a one-hour internship in arts administration; and six hours beyond the general education requirements from any advisor-approved courses in art and theatre.

## Theatre (THEA)

### 120. Introduction to Theatre (3)

A general survey designed to give the beginning student an overview of the history and practice of theatre. Emphasis given to the history of the theatre and study of the relationship of theatre to society, the creative nature of the theatre, theories of the theatre, the relationship of theatre to the other fine arts, theatre and crafts, and dramatic literature.

### 210. Introduction to World Cinema (3)

(Prereq: ENGL 110-111; crosslisted with ENGL 210 and FILM 210) A survey of the important genres, theories, techniques, and international movements of film history. Representative films from the silent era to the present, and from America to Europe and Asia, will be covered. (*Alternate years*)

### 220. Theatre History I (3)

A survey of the history of theatre practice and critical theory from ancient times until the end of the eighteenth century. Emphasis will be placed on the theatre of Ancient Greece; Medieval theatre; Asian theatre; the theatre of the Renaissance in England, Spain, Italy, and France; and the English Restoration theatre. Methods of study will include lectures, readings, class discussions, and group projects.

### 221. Theatre History II (3)

A survey of the history of theatre practice and critical theory from the nineteenth century to the present day. Emphasis will be placed on the development of style from romanticism through realism to the reactions to realism. Methods of study will include lectures, readings, class discussions, and group projects.

### 223. Fundamentals of Acting (3)

This course consists of exercises in increasing body and spatial awareness, integrating voice and movement, and rediscovering a neutral body and voice, unencumbered by habitual patterns. By honing observation skills and encouraging physical development, the actor will be prepared for character development and scene study.

### 224. Movement Styles (3)

(Crosslisted with PHED 224) An interdisciplinary approach to movement which incorporates yoga, ballet, and modern and jazz dance. With a focus on balance and alignment, students develop an awareness of dance through collaboration, ensemble performance, and choreography.

### 227. Introduction to Scenography (3)

An introduction to the process of designing for the stage, addressing general principles of design and text analysis in the movement from dramatic text to theatrical event. Emphasis is placed on developing basic communications skills, drawing, drafting, rendering and model building, and developing a model for text analysis. Students will develop a proficiency in and understanding of design techniques through lecture, discussion, research, and the completion of practical projects.

### 258. Special Topics (1-6). See page 24.

### 290. Theatre Production Laboratory (1 each sem)

Practical exploration of the skills and techniques involved in the theatrical production process, using the departmental productions as the primary

experience. Students are graded on the quality of their contribution to the production process. Instructor works with each student according to his or her level of experience. May be repeated for credit.

### 321. Period Style for the Theatre (3)

This course explores the context for Greek theatre, Asian theatre, the theatre of the Renaissance, Neo-classic theatre, Romantic theatre, early Realistic theatre, and Modern theatre including the art and music of the times, costume history, period movement and acting style, and related cultural history. Teaching methods will include lecture, discussion, and hand-on experiences.

### 322. Aesthetics (3)

(Crosslisted with ART 322 and PHIL 322) A consideration of beauty and what various philosophers (such as Plato, Aristotle, Hume, and Kant) have had to say about it. The class will also consider art forms such as painting, sculpture, poetry, music, and photography to appreciate the presence or absence of beauty therein.

### 323. Acting II (3)

(Prereq: THEA 223) This course emphasizes styles of acting related to historic, realistic, post-realistic, and contemporary texts. The actor makes inquiry into both textual and psychological considerations faced in exploring a character and creating a role, emphasizing the demands made by the form and content of each script. (*Alternate years*)

### 324. Ballet I (3)

(Prereq: THEA 224) To speak the language of ballet requires great discipline and the mastery of specific

technique. The traditional structure of the ballet class and the codified vocabulary of classical ballet will be taught in this class. This will give the student a universal language with which to understand various dance forms from other cultures. In this class we will focus on developing a personal movement style, specific to each student's ability and anatomy. We will continue the process begun in THEA 224 of working on focus, balance, and alignment through movement analysis and by introducing various ballet techniques.

*(Alternate years)*

### **325. Modern Dance I (3)**

(Prereq: THEA 224) Modern Dance is a means of physical communication, an abstract art form whose language can be recreated again and again to fit the dancer/choreographer's needs. In this class the students will focus on developing a personal movement style specific to each student's abilities; develop creativity and communications skills through movement, choreography, and writing; and continue the process begun in THEA 224 of working on focus, balance, and alignment through movement analysis and by introducing various modern dance techniques. *(Alternate years)*

### **326. Dance Ensemble (1)**

By audition only. A guided experience in dance performance. Students will meet regularly to rehearse for a public performance.

The following three courses (327, 328, and 329) are taught concurrently; however, students may take only one course per semester.

### **327. Scenography Studio: Set Design (3)**

(Prereq: THEA 227 or consent of the instructor) General principles of visual design as applied to scenery for the theatre. The students will develop a model for the design process that emphasizes text analysis. Historical and visual research, sketching, draft-

ing, and rendering and model building will also be covered.

### **328. Scenography Studio: Lighting Design (3)**

(Prereq: THEA 227 or consent of the instructor) General principles of visual design as applied to scenery for the theatre. The students will develop a model for the design process that emphasizes text analysis. Visual research, sketching, drafting, and rendering will also be covered.

### **329. Scenography Studio: Costume Design (3)**

(Prereq: THEA 227 or consent of the instructor) General principles of visual design as applied to scenery for the theatre. The students will develop a model for the design process that emphasizes text analysis. Historical and visual research, sketching, drafting, rendering, and swatching will also be covered.

### **340. Scenic Art (3)**

An introduction to the craft of the scenic artist, emphasizing the translation of style from model to full scale. Because of the nature of the material, this course is offered as a studio course, meeting for a total of six hours each week. *(Alternate years)*

### **350. Shakespeare (3)**

(Prereq: ENGL 110-111; crosslisted with ENGL 350) A critical study of representative histories, comedies, tragedies, and romances with emphasis on Shakespeare's development as a dramatic artist. Lectures on Elizabethan political, philosophical, and religious backgrounds. Survey of chief Shakespearean criticism.

### **356. Modern and Contemporary Drama (3)**

(Prereq: ENGL 110-111; crosslisted with ENGL 356) This course explores the influence of realism, naturalism, expressionism, and finally absurdism on contemporary drama, while paying particular attention to American and British playwrights. *(Alternate years)*

### **360. Junior Capstone (1)**

(Prereq: consent of department; open to junior theatre majors only) This course is designed to allow theatre students to

begin to integrate their studies in theater and to prepare them for the next stage in their artistic development. Students will be encouraged to develop self discipline in time management and continuing education. This class will involve a field trip to see professional theatre and to interview professional theatre practitioners, as well as attendance at the Southeaster Theatre Convention.

**398. Honors Research (3-6).** See page 22.

### **401. Play Directing (3)**

(Prereq: THEA 223) Open to students who have demonstrated their ability in drama. A study of the theatre as an art, the techniques of the actor, picturization, movement and rhythm on the stage, and production procedures. Students direct a play of a length assigned by the professor. *(Alternate years)*

**442. Directed Study (1-6).** See page 24.

Open to juniors and seniors with approval of major professor. Directed independent study in one or more of the following areas: (1) the teaching of drama and speech, (2) public speaking, (3) play writing, (4) oral interpretation, (5) voice science and diction, (6) religious drama, (7) dramatic literature, (8) acting, (9) directing, and (10) technical theatre.

**444. Internships in Theatre (1-6).** See page 24.

(Prereq: THEA 120 and 15 additional hours of theatre) Open only to theatre majors. Internships in acting, stage managing, design, technical theatre, film, television, and related fields approved by the student's advisor and the drama faculty. The student's work will be closely supervised in the company in which the internship is undertaken, and he/she must submit weekly written reports and a final written report to his/her faculty supervisor. A student may not earn more than six hours in internship programs in theatre.

**448. Research.** See page 24.

**450. Seminar.** See page 24.

**452. Special Projects (3-6).** See page 24.

Open to juniors and seniors, although sophomores may occasionally participate with approval of major professor. This course will normally involve student participation in an off-campus project.

**458. Special Topics.** See page 24.

**460. Senior Capstone (2)**

(Prereq: consent of department; open to senior theatre majors only) This course is designed to allow theatre students to integrate their studies in theatre with a culminating project and to prepare them for the next stage in their artistic development. Specific instruction will be given in audition technique and/or portfolio development. This class will involve a field trip to see professional theatre and to interview professional theatre practitioners, as well as attendance at the Southeaster Theatre Convention. In addition, students will complete a capstone project in their area of specialization, approved by the department.

**Speech (SPCH)**

**200. Voice and Diction (3)**

A study of speech development and the application of methods of improving voice production. Concentration on resonance, articulation, and pronunciation. The International Phonetic Alphabet is used. (*Alternate years*)

**201. Public Speaking (3)**

An introduction to the basic principles of effective communication. Speeches assigned on various topics and constructive criticism given. Poise and skill in public presentation of speeches emphasized.

# WOMEN'S AND GENDER STUDIES

Associate Professor Karen Kingsbury, Director

Professor Ann Stidham

Associate Professor Carla Alphonso

Associate Professor Roy Campbell

Associate Professor Laura Crary

Assistant Professor Brooke Spatta

## Requirements for the Minor in Women's and Gender Studies

18 hours are required for the minor in women's and gender studies, including WGST 325 and SOC 363. The remaining twelve hours may be chosen from ART 257; ENGL 322, 324, 334; HIST 334, 392; PSYC 311, 330; SOC 302, 366; and any other appropriate courses, if approved by the women's and gender studies program coordinator and the chair of the Interdisciplinary Studies Department, provided that no more than three courses from one department are counted toward the minor.

### **WGST 325. Introduction to Women's Studies: Images and Identities (3)**

An interdisciplinary course in which the roles, images, and contributions of women of various races, classes, and cultures will be investigated from the perspectives of literature, the arts, and the social sciences.

### **ART 257. History of Women in Art (3)**

A survey of women's art production in Western Europe and the United States from 15<sup>th</sup> century to present. (*Alternate years*)

### **ENGL 322. Women's Literature (3)**

A critical study of American and British women writers, which may examine the following themes: myths of the female, the woman artist, the female *bildungsroman*, love and friendship, communities of women, women and war, women's place in the nation, and female spirituality. (*Alternate years*)

### **ENGL 324. Women's World Literature (3)**

A complement to ENGL 322. An introduction to women's literature written by artists from across the globe (including Africa, the Middle East, Asia, and Latin America) that focuses on texts composed after 1900. (*Alternate years*)

### **ENGL 334. Southern Women's Writings (3)**

This course examines how modern and contemporary women writers represent and imagine the south in their texts — and, in doing so, how they illuminate the dynamic of race, ethnicity, gender, class, and sexuality within twentieth - twenty-first century southern society. This course can count towards fulfillment of the Southern Studies and /or Women's Studies minor(s).

### **HIST 334. Women in American History (3)**

This course will introduce students to major themes in American women's history. It will examine the lives of women as workers, as family members, and as active participants in the public arenas of voluntary association and political activism. It will further explore the diversity of women's experiences in terms of race, religion, class, and ethnic identity

while also touching on the lives of specific notable women in American history.

### **HIST 392. Family and Gender in Chinese History (3)**

This course explores the familial and gender roles that have dominated Chinese society since traditional times. Consideration will be given to the historical influence of Confucianism, and primary emphasis will be placed on the 20<sup>th</sup> century intellectuals who have sought to reform these traditionally conservative elements of Chinese society.

### **PSYC 311. Personality Development in Young Adulthood (3)**

(Prereq: PSYC 201; PSYC 310 recommended) An applied course in personality derived from personality theories explaining young adulthood. Topics and issues of relevancy in this life stage are studied in-depth. Increased self-understanding is the objective.

### **PSYC 330. Human Sexuality (3)**

(Prereq: PSYC 201) Sexuality is studied as a component of human behavior including such topics as biologically based behaviors, psychosocial influences, and communication within relationships. Informed

decision-making is addressed within the contexts of respect, responsibility, and reality with sensitivity to diversity, moral values, and ethics.

**SOC 302. Marriage and the Family (3)**

(Prereq: SOC 201 or consent of the instructor) A sociology of the family, including those in other cultures. A functional study of marital problem-areas, including sexuality, parenthood, and aging.

**SOC 363. The Sociology of Gender (3)**

(Prereq: SOC 201) A sociological analysis of the development and role of gender in human society. The course addresses how gender is socially constructed and the key issues for men and women that emerge in diverse social environments such as the home and workplace and in educational, religious, and political institutions.

**SOC 366. Social Movements (3)**

(Prereq: SOC 201 or consent of instructor) A study of the general characteristics of social movements. Two or more particular movements such as the African-American movement, Third World national liberation movements, the women's movement, and the ecology movement will be discussed. *(Alternate years)*

# R

**Reference**

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