



**Guilford**  
COLLEGE

Greensboro, N.C.

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

# *A Guilford Profile*

## **THE COLLEGE**

- Founded in 1837 by the Religious Society of Friends (Quakers) as New Garden Boarding School. Third oldest coeducational institution in the nation.

## **THE CURRICULUM**

- Four-year liberal arts, accredited by the Commission on Colleges of the Southern Association of Colleges and Schools.
- 40 academic majors, plus five cooperative pre-professional programs and 49 concentrations.

## **DISTINCTIONS**

- Honors program and scholarships.
- Member of area college/university consortium, allowing students to take courses at seven other campuses without additional charge.
- Semester or year programs available in Africa, China, England, France, Italy, Germany, Japan, the Netherlands, Mexico, Washington, D.C. or alternate summers in the American West.
- Three cooperative programs with various universities and one medical school.
- Internship program offering practical experience in businesses, industries and nonprofit agencies.

## **THE STUDENTS**

- 1750 undergraduates; Female 50%, Male 50%
- Representing 43 states and 25 other nations.
- 10% are Quaker students.
- 70% come from outside North Carolina.
- 700 additional part- and full-time continuing education students.

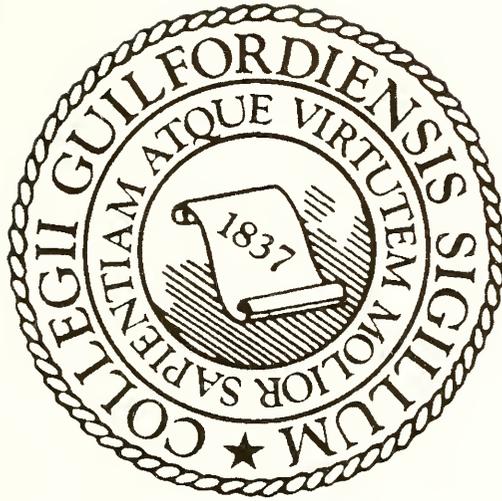
## **THE FACULTY**

- 78 full-time faculty members; 85 percent with terminal degrees.
- Student/Faculty ratio of 15 to 1.

## **DEGREES GRANTED**

- A.B., B.S., B.F.A.
- Certificate of study offered in most departments.

*Continued on inside back cover.*



# Guilford College Catalog

2002-04

## **NONDISCRIMINATORY POLICY**

In its active commitment to building a diverse community, Guilford College rejects discrimination on the basis of race, creed, color, religion, national or ethnic origin, gender, sexual orientation, age or disability in admission, employment, or access to programs and activities. The college also seeks to avoid discrimination in the administration of educational programs, admission policies, financial aid, or any other college program or activity.



Digitized by the Internet Archive  
in 2011 with funding from  
University of North Carolina at Chapel Hill



## *A Message from the President*

As I enter my first year as president of Guilford, I invite you to join me in exploring this unique community of higher education, which has faithfully served thousands of students for more than 165 years.

Guilford is a special place. The college's mission and Quaker values, commitments to teaching, research, and service, and the phenomenal loyalty and dedication of everyone I have met are impressive. For nearly two decades, I have known about the college and its commitment to teaching, palpable sense of community and social justice, priceless Quaker heritage and other distinguishing attributes. It is indeed special.

I arrive at Guilford with 30 years of experience as a higher education administrator, faculty member and scholar. I have wanted to lead a undergraduate liberal arts college that possessed values, traditions, educationally based athletics, and a commitment to excellence while at the same time confronting issues of mission, change, and resources. I would not be attracted to a presidency in a self-satisfied college essentially in stasis and resting on its history.

Trustees, faculty, students, staff, alumni and friends have shown incredible loyalty and generosity toward Guilford. The **Our Time in History** capital campaign reached its \$50 million goal many months before the deadline. Stories of longstanding connections to the college are wonderful. Hearing about families with five and six generations of Guilford graduates is as inspiring to me as faculty talking about their commitment to teaching and the students they have affected so profoundly. That's what makes a small college: the ability to change lives in concrete ways that can be seen and heard and felt.

A president at any first-rate institution like Guilford has many roles. The president must have strategic vision as well as attention to detail, be a leader as well as a manager of people and projects, be a dynamic fund raiser as well as a prudent spender, behave both as an educator and a student, and be a contributing member of the college, state and local communities, higher education industry, and national and international forums. I am excited about working with students and faculty colleagues and performing all of these roles while keeping senses of self and humor. It will be an awesome adventure.

I wish you the best in your academic pursuits and thank you for your interest in Guilford.

  
Kent John Chabotar  
President



# *Statement of Purpose*

adopted by the Guilford College Faculty and Board of Trustees, 1985

Guilford College is an educational community which strives to integrate personal, intellectual, physical, and spiritual growth through participation in several rich traditions. These traditions include liberal arts education which values academic excellence and stresses the need in a free society for mature, broadly educated men and women; career development and community service which provide students, whatever their age or place in life, with knowledge and skills applicable to their chosen vocations; and Quakerism which places special emphasis on helping individuals to examine and strengthen their values. We believe that the wise and humane use of knowledge requires commitment to society as well as to self.

The Quaker heritage stresses spiritual receptivity, candor, integrity, compassion, tolerance, simplicity, equality, and strong concern for social justice and world peace. Growing out of this heritage the college emphasizes educational values which are embodied in a strong and lasting tradition of coeducation, a curriculum with intercultural and international dimensions, close individual relationships between students and faculty in the pursuit of knowledge, governance by consensus, and a commitment to lifelong learning.

Guilford College expects each student to develop a broad understanding of our intellectual and social heritage, and at the same time to develop a special competence in one or more disciplines. Flexibility in the curriculum encourages each student to pursue a program of studies suited to personal needs, skills, and aspirations.

While accepting many traditional educational goals and methods, the college also promotes innovative approaches to teaching and learning. Both students and faculty are encouraged to pursue high levels of scholarly research and creativity in all academic disciplines. Guilford particularly seeks to explore interdisciplinary and intercultural perspectives and to develop a capacity to reason effectively, to look beneath the surface of issues, to understand the presuppositions and implications of ideas, and to draw conclusions incisively, critically, and with fairness to other points of view.

The college desires to have a “community of seekers,” individuals dedicated to shared and corporate search as an important part of their lives. Such a community can come about only when there is diversity throughout the institution—a diversity of older and younger perspectives, a diversity of racial and cultural backgrounds, a diversity of beliefs and value orientations. Through experiencing such differing points of view, we seek to free ourselves from bias.

As a community, Guilford strives to address questions of moral responsibility, to explore issues which are deeply felt but difficult to articulate, and to support modes of personal fulfillment. The college seeks to cultivate respect for all individuals in an environment where considered convictions, purposes, and aspirations can be carried forward.

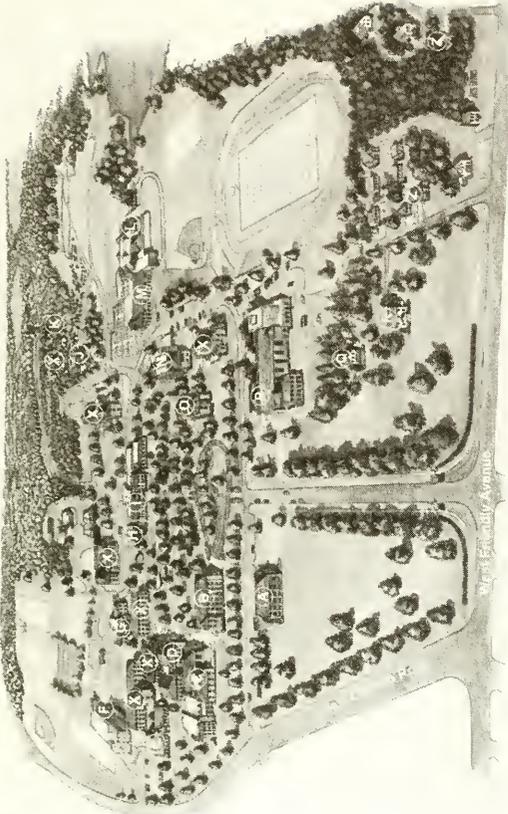




# Guilford COLLEGE

5800 West Friendly Avenue  
Greensboro, NC 27410  
www.guilford.edu

- A** New Garden Hall
  - Office of Enrollment
  - Office of Student Financial Assistance and Planning
  - Office of Human Resources
  - Office of the Registrar
  - Business Office
- B** Duke Memorial Hall
  - Departments of Foreign languages, Management and Mathematics
  - AT&T Multi-media Language Lab
  - Classrooms
- C** Hege Library
  - Academic Skills Center
  - Guilford College Art Gallery
  - Friends Center and Historical Collection
  - Office of the President
  - Office of the Academic Dean
- D** King Hall
  - Department of Psychology
  - Office of College Relations
  - Classrooms
- E** Hendricks Hall
  - Center for Continuing Education
  - Office of Institutional Advancement
- F** FRANK FAMILY SCIENCE CENTER
  - Departments of Biology, Chemistry, Geology and Physics
  - Science laboratories, greenhouse and observatory
  - Classrooms and auditorium
- G** Bauman Telecommunications Center
  - Department of Communications Studies and Political Science
  - Control center for campus computer network
  - Three student computer labs and several fully equipped computer classrooms
  - Office of Public Safety
  - Classrooms
- H** The Hut
  - Office of Campus Ministry
  - Informal classroom and worship facility
- I** Founders Hall
  - Student Activities Center and Sternberger Auditorium
  - Department of Theatre Studies
  - Dining hall and the "background" snack bar
  - Community Senate and student organization offices
  - Office of the Dean for Campus Life
- J** Ragsdale House
  - President's residence
  - Miner Guest House
- K** Ragan-Brown Field House and Physical Education Center
  - Guilford College YMCA
  - Facilities for basketball, racquetball, swimming, tennis and volleyball
- L** Alumni Gym
  - Departments of Justice and policy studies and sport studies
  - Office of Athletics and intramural office
  - Weight and training rooms
- M** Hege-Cox Hall
  - Department of Art
  - Newly-renovated art studios and photography lab
- N** Student Health and Counseling Center
  - Office of Career Development, Internships and Community Learning
  - Art gallery, bookstore, post office and WQFS-FM (90.9)
  - First Year Center
  - Multicultural Resource Center
- O** Arcadiae Hall
  - Departments of Economics, English, History, Philosophy and Sociology/Anthropology
- P** Dana Auditorium
  - Departments of Music and Religious Studies
  - Music practice rooms
  - 1,100-seat auditorium
  - Classrooms
  - GLBT resource center
- Q** International Center
  - Office of Study Abroad Programs
- R** Alumni House
  - Office of Alumni and Family Relations
- X** Student Residence Hall and Apartments
  - Special Interest Housing for Students



- O** Arcadiae Hall
  - Departments of Economics, English, History, Philosophy and Sociology/Anthropology
- P** Dana Auditorium
  - Departments of Music and Religious Studies
  - Music practice rooms
  - 1,100-seat auditorium
  - Classrooms
  - GLBT resource center
- Q** International Center
  - Office of Study Abroad Programs
- R** Alumni House
  - Office of Alumni and Family Relations
- X** Student Residence Hall and Apartments
  - Special Interest Housing for Students



# Table of Contents

A Message from the President	3
Guilford College Statement of Purpose	5
Campus Map	6-7
Introduction to the College	11
The Academic Program: An Overview	17
Graduation Requirements	27
Academic Departments and Programs	31
Concentrations	149
Studies Abroad	183
Other Special Study Opportunities	189
Center for Continuing Education	195
Learning Resources	203
Admission and Fees	213
Financial Aid	223
Academic Regulations and Procedures	231
Campus Life	241
Awards	253
Personnel	259
Index	273

The *Guilford College Catalog* contains information about the educational climate, the academic programs, and the campus life at Guilford College. In addition, it explains the degree requirements and academic regulations, describes the course offerings, and lists the faculty and administrative staff. The college reserves the right to change any provision, offering, fee, or requirement at any time to carry out its objectives and purposes.





# Introduction to Guilford College

## MISSION

Guilford College draws on Quaker and liberal arts traditions to prepare men and women for a lifetime of learning, work and constructive action dedicated to bettering the world.

Toward that end the college provides:

- **student-centered instruction** that nurtures each individual amid an intentionally diverse community.
- **a challenging academic program** that fosters critical and creative thinking through the development of essential skills: analysis, inquiry, communication, consensus-building, problem-solving and leadership.
- **a global perspective** that values people of other cultures and the natural environment in which we all live.
- **a values-rich education** that explores the ethical dimension of knowledge and promotes honesty, compassion, integrity, courage and respect for the individual.
- **access to work and service opportunities** that forge a connection between thought and action.

Guilford seeks above all to create a special kind of learning community. We are not perfect at this. Our goal of creating independent thinkers and change agents necessarily pulls against the needs of community and our great diversity of backgrounds sometimes works against our professed acceptance of and equal respect

for all individuals. We are as a community at best in a perpetual state of becoming.

Nevertheless, in writing about Guilford in *Colleges that Change Lives*, Loren Pope describes how there is “a special sense of family here.” He notes of the college that “it truly is a friendly place,” while also being “a stimulating place where the teachers care, where they expect a lot, and where they provide the encouragement as well as the challenge to get young people to do things they had no idea they could do.” Guilford, he concludes, is “a fine example of a college family that is doubling talents.”

We intend to continue to work toward being that community: a learning community defined somewhat paradoxically by both challenge and nurture, a community which produces compassionate graduates who are independent thinkers, risk-takers and change agents possessing a strong moral compass.

## CAMPUS

Guilford students live and attend classes on a wooded, 340-acre campus in northwest Greensboro, North Carolina. Most college buildings show a Georgian influence. The campus includes a forest, exercise and nature trails and a small lake. These contribute to the college’s quiet, serene and friendly atmosphere.

## THE STUDENT BODY

Guilford students come from all across the United States and 25 other nations.

About 1150 students are traditional-age undergraduates, with another 600 enrolled in degree programs part time or full time through the Center for Continuing Education.

About 50 percent of the residential student body is female; 50 percent, male. In general, residential students are between 18 and 22 years old, attend college full time and live in college residence halls. About one-third come from independent secondary schools and the rest from public high schools. All major religious denominations are represented.

Students enrolled through the Center for Continuing Education are 23 years of age or older. Many enter after having been out of school for several years and carry full-time employment responsibilities. About half of these students study part time to complete their degrees or to increase their professional competence. Some already have bachelor's degrees and are broadening their skills or working in areas of special interest for certificates of study. Most continuing education students commute to campus and may attend classes during day or evening hours (see Chapter 8).

Guilford recognizes the special abilities of college students with physical impairments and learning differences. Through the Office of the Academic Dean, the college endeavors to serve the individual learning needs of any such student upon request. The request should be supported by appropriate medical documentation. The plan for these students may adjust the normal

instructional process with untimed exams or innovative approaches to assignments. The Academic Skills Center coordinates and refers resources for these students. Guilford's normal nondiscriminatory admission policy governs the admission of these students. The standard policies on academic standing and the prescribed graduation requirements also apply.

## THE FACULTY

Guilford attracts teachers of outstanding ability, creativity and enthusiasm. The faculty consists of 78 full-time members supplemented by a number of qualified part-time instructors.

The Guilford faculty has excellent professional credentials. Approximately 90 percent have received doctoral or equivalent terminal degrees from leading universities in the United States and several other countries.

With an average of 15 students for each instructor, students can consult with their teachers about their studies and careers. Students and faculty interact on a first-name basis and friendships between them are common. They often share professional and avocational interests inside and outside the classroom and join together in campus and community activities.

The faculty's primary commitment is to undergraduate teaching. They see learning as a common venture with students into life's key questions.

## QUAKER HERITAGE

In 1837, Guilford opened its doors as New Garden Boarding School founded by the Religious Society of Friends, known as Quakers.

In 1888 the academic program was greatly expanded and the school renamed Guilford. Today, Quakers make up about seven percent of Guilford's student body and approximately 18 percent of the faculty and administrative staff. The college continues to appreciate and honor its Quaker heritage as the foundation for its character, distinctiveness and quality.

Quakerism has traditionally represented a mode of life rooted in simplicity, one that highly regards the individual, peace and social concern. It also has been a mode of inquiry, a search for truth by the individual sustained by the whole community of seekers.

These characteristics have nourished the college from its beginnings. Guilford's original purpose was to train responsible and enlightened leaders, both women and men. Its method was the liberal arts, viewed not as a static body of knowledge, but as a stimulus to intellectual and spiritual growth.

The Friends tradition harmonizes well with the college's atmosphere of free inquiry. Liberal education requires an atmosphere of academic and personal freedom, founded on intellectual and moral responsibility, and an atmosphere of commitment to ethical values and human beings. The combination of these qualities contributes to Guilford's character.

Through the years Guilford has remained true to the vision of its Quaker founders. It has continually sought new methods of challenging students, bringing them into contact with vital ideas and experiences and helping them to arrive at

their fullest potential as individuals and as members of society.

**Friends Center at Guilford.** The Friends Center at Guilford was established by the Board of Trustees in 1982 to strengthen the bonds of the college with the Religious Society of Friends. The center provides opportunities for education and information about Quakerism, in addition to serving as a Quaker resource center for the southeastern United States. Friends Center sponsors the Guilford campus ministry program and the Quaker Leadership Scholars Program.

An advisory committee composed of representatives from the college and two North Carolina Yearly Meetings works with the center's staff to develop Quaker studies programs on and off campus. The center also brings nationally and internationally known Friends to campus through Distinguished Quaker Visitor programs. Friends Center programs are supported by the generous contributions of members of the two North Carolina Yearly Meetings of Friends, by those of other concerned Quakers and by the college.

**Campus Ministry.** Consistent with the college's Quaker heritage, the Office of Campus Ministry works to facilitate campus religious organizations of all faiths, provide assistance for emerging groups, encourage dialogue among different religious groups and aid community members in the process of spiritual discernment. Ongoing programs include small group "seekers sessions," daily and weekly worship opportunities, fall and spring break work trips, teas, forums and the annual Religious Emphasis Week.

**The Quaker Leadership Scholars Program.** The Quaker Leadership Scholars Program (QLSP) enables members of the Religious Society of Friends to combine their academic pursuits at Guilford with community activities in a way that strengthens their involvement with Friends. Participants commit to a four-year program involving mentoring, small-group discussions, spiritual direction, leadership development, Quaker studies and internships. Financial assistance for college costs and participation in a wide variety of Quaker activities is provided. QLSP is a cooperative program of Friends Center, the Office of Student Financial Assistance and Planning and the Office of Admission.

For more information, see page 224.

## THE GUILFORD COMMUNITY

**History.** The land, described as “this majestic wilderness,” was settled in the 1750s by Quakers who named it New Garden. John Woolman, the Quaker missionary who visited the settlers shortly thereafter, called them “planters of truth in the province.”

During the American Revolution this peaceful scene was disturbed by the decisive Battle of Guilford Courthouse, four miles to the north. Quakers cared for the wounded of both sides and buried the dead in New Garden Meeting’s cemetery. Today one can see a marker to the unknown British soldiers interred there as well as visit the battlefield, now a national military park.

By the 1830s the majority of Quakers in North Carolina lived in and around Guilford County. They decided to establish a school on a coeducational basis that was chartered in 1834 and opened in 1837 as New Garden Boarding School. The campus later became a station on the Underground Railroad as well as a center of resistance to Confederate conscription and requisitioning efforts. The school never closed during the Civil War, and during Reconstruction, with support from Friends in the North and Great Britain, soon recouped its strength.

This led to the development of Guilford, the fourth oldest degree-granting institution in North Carolina. The college remained largely isolated until the 1920s, when the old trail to Greensboro became The Friendly Road. The street name still symbolizes the long-standing friendship between town and gown. Today the campus is an area of greenery, quiet and scholarship within Greensboro’s city limits. It is one of the very few college campuses in the nation listed by the United States Department of the Interior as a National Historic District.

**The City and Its Educational Environment.** Guilford is located in northwest Greensboro, third largest city in North Carolina. The city’s population is approximately 230,000, with approximately 1.3 million people living in the metropolitan area.

Within a 25-mile radius, there are seven other colleges and universities at which Guilford students may take courses: Bennett College, Elon University, Greensboro College, Guilford Technical Community College, High Point University, North Carolina Agricultural and Technical State University and The University of North Carolina at

Greensboro. Lectures, concerts, symposia and films offered by these institutions are usually open to Guilford students.

Eastern Music Festival, in residence on the Guilford campus, provides an exceptional summer concert series with presentations on campus by professional as well as student musicians.

Close to Guilford are New Garden Friends Meeting, Friendship Friends Meeting and Friends Homes (a retirement community that provides highly skilled volunteers in several areas of college life as well as internships and employment for Guilford students). North Carolina Yearly Meeting offices are nearby and serve the college community in various capacities.

Also in close proximity to the college is New Garden Friends School, which rounds out the multigenerational community surrounding Guilford and provides additional internship and research possibilities.

**The Climate.** The local climate is mild and generally pleasant, making it possible to engage in outdoor sports during every month of the year. Winters are sunny, and although there may be some snowfall, extremely cold weather is rare. Spring comes early, with flowering trees and shrubs from early March through June. Autumn is especially congenial.

**Accessibility.** Guilford is easily reached from the Piedmont Triad International Airport, three miles west; from Interstate 40, two miles south; or from Interstate 85, eight miles southeast. A nearby Amtrak station affords daily access to major cities throughout the Southeast.

The college is within a half-day's drive of both the seacoast and the Great Smoky Mountains.



# *The Academic Program: An Overview and Introduction*

Guilford stresses breadth and rigor in its academic program. As a Quaker college, Guilford offers an educational experience that emphasizes the study of human values and the inter-relatedness of the world's knowledge and cultures.

The curriculum prescribes for all students a basic framework from which they choose courses. This framework consists of a set of general education requirements and 40 major fields in which students can pursue studies in depth.

Guilford also supports students in creating individualized programs and in selecting studies that will best contribute to their own development and interests. Faculty advisers readily assist students in exploring their interests and abilities and in relating their courses of study to future plans.

Students with varied talents and aims may profit from different methods of instruction. Guilford deliberately offers a selection of educational experiences: courses combining lectures with discussion or laboratory; seminars demanding more direct participation by the student; and opportunities for independent study.

The college encourages off-campus learning and foreign study, and advisers help students design internships in the community as a way of relating work experiences.

## **THE FIVE ACADEMIC PRINCIPLES**

These principles govern all courses and other educational experiences at the college:

- **Innovative, student-centered learning**

Guilford embraces effective and adventurous pedagogy. Learning formats are chosen to promote dynamic exchange among students and between students and faculty.

Throughout, Guilford places the individual student at the core of its educational mission. In an environment committed to the value of interdependence, each student is encouraged to develop an individual viewpoint through the sharing of ideas with other members of the college's intentionally diverse community.

- **Challenge to engage in creative and critical thinking**

Guilford emphasizes these activities: identifying and solving problems; delving below the surface of things to understand phenomena in their complexity; considering how frameworks and perspectives affect observations and analyses; appreciating the interplay of believing and doubting; and combining intuition, imagination and the aesthetic

sense with reasoning, quantitative analyses and factual knowledge.

Students learn not only to develop and synthesize ideas, but also to articulate them clearly via the spoken and written word and other forms of creative expression. In particular, Guilford emphasizes writing as a mode of both learning and communicating, and thus students write intensively throughout their years here. Guilford especially values courses which point the way toward connections among ways of knowing; hence the college's interdisciplinary emphasis.

- **Cultural and global perspectives**

Guilford strives to prepare students to be citizens of the world. Thus the curriculum is designed to encourage students and faculty to respect and learn from people of other cultures and also to foster an understanding of ecological relationships within the natural environment. By interacting with people from different cultural backgrounds and gaining sensitivity to their ways of life, students deepen their academic investigation of Western and other traditions. In the process, students are challenged to envision better societies and to work collectively with others toward mutual benefit.

- **Values and the ethical dimension of knowledge**

The Quaker ethos deeply influences the academic program as it does all other aspects of college life. In particular, the curriculum nurtures the spiritual dimension of wonder, the pursuit of meaning in life and sensitivity to the sacred. It also promotes consciousness of those values necessary to successful inquiry: honesty, simplicity, equality, tolerance.

The college's courses are expected to explore the ethical dimension of knowledge. This often requires close attention to such issues as gender, race, ethnicity, religion, social justice and socioeconomics in historical and contemporary contexts.

- **Focus on practical application: vocation and service to the larger community**

Noting Quaker founder George Fox's call for schools to teach "things civil and useful," Guilford's teachers seek to help their students choose majors and sequences of supporting courses which fit their interests and aptitudes and which lead to work and service possibilities that will bring personal fulfillment and challenge. The college also upholds each individual's obligation to the larger community: thus its commitment to personal responsibility, social justice, world peace, service and ethical behavior. Rooted in the Society of Friends' social testimonies, the college aims to help its graduates learn to evaluate the effects of their actions and the implications of their decisions.

## THE CURRICULUM

The curriculum consists of five tiers: **foundations, explorations, major, concentration and capstone.**

Each student normally completes 12 general education requirements (foundations, explorations, capstone), eight courses for the major and four for the concentration. Often, courses for the major and concentration will double-count with foundations, explorations and capstone courses, meaning that ordinarily a student will have to take fewer than 12 separate

courses to satisfy the general education requirements.

The remaining courses that a student takes in order to accumulate a minimum of 128 credits for graduation are electives, although s/he may also choose to use these courses to establish a second major or concentration.

Each student's registration packet contains a checklist of requirements. When the student registers s/he may use the checklist, in consultation with an adviser, to help select courses.

Those students who expect to study abroad or who plan to spend a semester off campus in an internship program should look ahead carefully in planning to fulfill requirements.

Please see page 21 for a chart listing the general education requirements.

## I. FOUNDATIONS

These four required skills and perspectives courses provide solid grounding in Guilford's five academic principles. They also provide a platform for subsequent work in each of the college's areas of study.

**The First Year Experience.** This seminar introduces the Guilford curriculum and engages students in significant interactive and values-based inquiry. With a focus on speaking and listening as well as experiential learning, each FYE course explores an interdisciplinary content area as well as aiding in the academic and social transition to college life. The seminar also stresses learning strategies and time management, computing, choice of career and major, use of the library and the honor code and academic honesty. The instructor for the

course serves as the student's academic adviser until the student declares a major.

**College Reading and Writing: Many Voices.** This course provides a main site for identifying and working on the reading and writing skills that students will need as members of the Guilford community. Course emphases include invention, arrangement, style, revision and editing, as well as college-level reading strategies.

Embracing the value that multicultural issues and perspectives have in our society, the theme of the course is "Many Voices." Readings are chosen to celebrate a range of diverse populations that collectively define the American landscape, groups including Native Americans and Americans of African, Asian, Hispanic, Jewish and Arab descent.

Students needing more intensive work on their writing skills (as determined by verbal SAT/ACT and/or placement essays) will enroll in English 101 (Writing Seminar) their first semester. They will then move on to English 102 (College Reading and Writing: Many Voices) second semester and historical perspectives the first semester of their sophomore year.

Students wishing to hone their writing skills after first-year English are encouraged to take one of the English department's advanced courses or one or more of the "WRT" (writing-intensive) courses offered throughout the curriculum. A "WRT" course is a course in the disciplines that, besides emphasizing standard subject matter, also incorporates writing as an explicit focus of instruction. The "WRT" courses includes the following features: the use of a writing text in addition to the regular course texts; both formal and informal writing; a drafting process for course papers; and comments

by the instructor or peer editors on preliminary drafts.

**Historical Perspectives.** This course focuses on teaching students about historical change and how individuals and groups both initiate change and respond to, for example, social, economic and political forces. Taught by professors from across the college, historical perspectives serves as a link with College Reading and Writing in a two-semester first-year writing sequence. It focuses on critical and research writing and includes attention to responsible use of the Internet.

**Foreign Language.** This innovative one-semester course provides an intensive, interactive experience in learning a foreign language and culture that prepares students to continue to be lifelong learners of languages and cultures. All incoming students without relevant transfer credit take a language placement exam designed by the foreign languages department; those scoring below the chosen cut-off take the course. Courses are offered in French, German, Japanese and Spanish.

In order for the foreign language requirement to be waived, a Guilford student must qualify according to the North Carolina definition of a learning disability. If the foreign language waiver is granted, the student must substitute a course with an international or intercultural emphasis.

Foreign students whose native language is not English will be exempted from the foreign language requirement. No credit will be awarded for their native language unless they wish to enroll in an advanced-level course.

**NOTE:** All incoming students whose math SAT score is below 650 will take a **quantitative literacy test**. Those

students scoring below the minimum will have the option of retaking the test or taking a two-credit course which focuses on quantitative literacy (e.g., working with numbers; interpreting graphs and tables; working with measurement; understanding surveys and experiments). Students can also satisfy the requirement by passing any mathematics course offered at Guilford or a transfer course equivalent.

## II. EXPLORATIONS

Students will take specially designated breadth courses in each of the four **areas of study** outside of that area of study containing his or her major. The following list identifies the areas of study as well as the academic departments belonging to each (interdisciplinary programs like African American studies and environmental studies, on the other hand, span the areas of study but are not primarily located in any one of them):

- **Arts**  
art, music, theatre studies
- **Business and Policy Studies**  
accounting, business management, justice and policy studies, sport studies
- **Humanities**  
English, foreign languages, history, philosophy, religious studies
- **Natural Sciences and Mathematics**  
biology, chemistry, geology and earth sciences, mathematics, physics
- **Social Science**  
economics, education studies, political science, psychology, sociology and anthropology

Additionally, each student will complete three specially designated **critical perspective courses** as part

# GENERAL EDUCATION REQUIREMENTS

## REQUIREMENTS

## NOTES ON REQUIREMENTS

### FOUNDATIONS: 4 courses

FYE 101--1 course

ENG 102: Many Voices-- 1 course

Historical Perspectives-- 1 course

Can double-count with concentrations and some majors.

Foreign Language 101-- 1 course

Math Competency

Can be satisfied by test placement or 2-credit quantitative course or any math course.

N/A

All current math courses will meet new math competency.

### EXPLORATIONS: Breadth 4 courses outside major area

Arts – 1 course

Can double-count with major or concentration.

Business and Policy Studies – 1 course

Can double-count with major or concentration.

Humanities – 1 course

Can double-count with major or concentration.

Natural Science and Mathematics –  
1 course

Can double-count with major or concentration.

Social Science – 1 course

Can double-count with major or concentration.

### EXPLORATIONS: Critical Perspectives 3 requirements which can double-count with breadth explorations, historical perspectives, the major, the concentration or IDS.

Intercultural--1 course

Can double-count with breadth explorations, historical perspectives, the major, the concentration or IDS.

Social Justice/Environmental  
Responsibility--1 course

Can double-count with breadth explorations, historical perspectives, the major, the concentration or IDS.

Diversity in the U.S.: Culture  
and Identity--1 course

Can double-count with breadth explorations, historical perspectives, the major, the concentration or IDS.

### CAPSTONE

IDS – 1 course

Can double-count with critical perspectives or concentration.

of their course work; these three courses can double-count with either the breadth courses, the historical perspectives course, the major and concentration courses or the capstone course. The three categories are:

1. **Intercultural**, which focuses on an approved course on Africa, Asia or Latin America
2. **Social Justice/Environmental Responsibility**, which focuses on race, class, gender, sexual orientation or the environment
3. **Diversity in the U.S.**, which explores sub-cultures within the United States.

### III. THE MAJOR

In addition to completing the general, area and distribution courses required by Guilford, each student selects, in consultation with the adviser, a major field of specialization and a concentration. It is expected that students will declare a major no later than the end of their sophomore year. Exceptions must be discussed with and approved by the associate academic dean.

Guilford offers majors in 40 academic fields. Students may pursue options outlined below, including disciplinary majors, double majors, joint majors or interdisciplinary majors. All courses required for the major must be passed with a C- or better.

See also the table of Degrees/Majors Offered, page 25.

#### Departmental Majors

Majors in some specialized fields (such as art, education studies, management, music and theatre studies) require more than the minimum eight courses.

Degree programs in accounting, criminal justice, justice and policy studies, management and psychology may be completed through either daytime or evening classes.

#### Double Majors

A double major is a major in two different departments or curricular areas. A student who, with the consent of an adviser, desires to complete a double major will complete all requirements for each of the two majors. No concentration is required. If the majors offer different degrees (A.B., B.S., B.F.A.), only one degree may be received. Both majors will be listed on the student's permanent transcript.

If a student returns to Guilford following graduation to complete a second major, the designation of the original major will not be changed, but a notation will be made that the requirements for the second major have been met.

Students who double-major must take a minimum of eight courses for each of the two majors.

#### Joint Majors

A student may choose to petition for a joint major in two departments, involving a waiver of the 32-credit requirement for a major, subject to the following limitations:

- the total number of credits earned for the combination of the two majors cannot be fewer than 56 and for either one of the majors cannot be fewer than 24.
- both departments involved in the joint major must approve of the joint major, and either department may prescribe any or all courses which must be completed satisfactorily.
- the associate academic dean must approve the joint major.

Any student designing a joint major with fewer than 32 credits in one or both of the majors should submit a petition to each of the departments involved at least a semester in advance of the intended graduation date. After both departments approve the petition, listing all prescribed courses, the student then takes the petition to the associate academic dean for final approval.

There are normally two types of joint majors.

1. In some cases two closely related departments, such as mathematics and physics, may wish to consider courses within each other's curriculum as being appropriate for both majors. Or, a student wishing a major in psychology and in sociology and anthropology might petition for a joint major utilizing the course in Class, Race, Gender for both.
2. Students may, with the advice and consent of two departments, wish to focus upon two very different areas during their careers at Guilford, perhaps on one of the traditional arts and sciences and on one of the pre-professional fields. Such a student might petition for a joint major, for example, in art and management.

### **Interdisciplinary majors**

A student selecting an interdisciplinary major completes at least eight courses (32 credits) in that field as specified by the program. With the exception of integrative studies, all interdisciplinary majors require that students double-major with a disciplinary major.

## **IV. CONCENTRATIONS**

In addition to the major course work, each student will take a focused collection of a minimum of four courses, which either provide a second, mini-depth area or involve study related to the major.

Students are free to take any concentration as long as it does not have the same name as the major: thus an English major would not be able to use an English concentration to satisfy the concentration requirement. Concentrations may be either disciplinary or interdisciplinary.

Students should start planning their concentration no later than the end of the fourth semester of college study or, for part-time or continuing education students, before completion of 32 credits. Junior transfers should complete this planning on or shortly after entering Guilford.

Concentrations enhance opportunities for employment and provide coherence to the fulfilling of distribution requirements. New concentrations are proposed to the Curriculum Committee when interest is generated among students and faculty.

**NOTE:** Students must complete a minimum of 12 discrete courses—eight for the major and four for the concentration—without double counting. Credit/No Credit courses do not count toward the concentration; however, a grade of D- may count.

See Chapter 5 for additional information on concentrations.

## **V. CAPSTONE**

Each student, during his or her senior year at Guilford, will take an Interdisciplinary Studies (IDS) course with a 400-level prefix (e.g., IDS 412: Nature, Culture, Religion). The course will allow

students to draw upon the knowledge and skills gained from previous college work and explore issues that cross traditional disciplinary lines. Cross-disciplinary writing will be a principal focus.

Throughout their four years at Guilford, students will develop skill competencies in the following specific areas:

- Writing
- Oral Communication
- Research
- Information Technology
- Quantitative Reasoning

The platform for these competencies will occur generally in the foundations courses and then will continue in sequence throughout the student's course of studies. Thus, writing instruction begins in two required foundations courses and continues in major-specific writing and research courses and in IDS 400.

**NOTE:** students must have completed a minimum of 88 credits in order to enroll in an IDS 400 course. Please see the online college catalog at [www.guilford.edu](http://www.guilford.edu) for a current list of approved IDS 400 courses.

## VI. ELECTIVES

Sufficient electives are needed to fill out the minimum of 128 credits needed for graduation. The number of elective credits required depends upon advanced placement in foreign languages and ability to “test out” of other required courses and upon the number of courses in the major and concentration. Electives may be taken in any department or field to supplement the student's major interests.

## ACCREDITATION AND AFFILIATION

Guilford is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award baccalaureate degrees. It is also affiliated with the Council on Post-secondary Education.

Guilford is on the list of colleges and universities approved by the American Medical Association, and the teacher education program is accredited by the North Carolina Department of Public Instruction and the National Council for the Accreditation of Teacher Education.

Credits earned at Guilford are accepted at face value in admission to graduate and professional schools and in certification of teaching.

Guilford College holds membership in a number of organizations formed by colleges and universities: the Association of American Colleges and Universities, the American Council on Education, the North Carolina Adult Education Association, the National Association of Independent Colleges and Universities, the North Carolina Association of Independent Colleges and Universities, the North Carolina Honors Association, the National Collegiate Honors Council, the Friends Association for Higher Education, The College Board, the Southern University Conference and the North Carolina Association of Colleges and Universities.

It is ranked as a Baccalaureate I Selective Liberal Arts College by the Carnegie Foundation for the Advancement of Teaching.

# DEGREES/MAJORS OFFERED

<b>Majors</b>	<b>Degrees</b>	
Accounting**		B.S.
African American Studies+	A.B.	
Art	A.B.	B.F.A.
Athletic Training		B.S.
Biology		B.S.
Business Management**		B.S.
Chemistry	A.B.	B.S.
Community and Justice Studies**		B.S.
Computer Information Systems		B.S.
Computing and Information Technology+		B.S.
Criminal Justice **		B.S.
Earth Studies	A.B.	
Economics	A.B.	
Education Studies+	A.B.	
English	A.B.	
Environmental Studies+	A.B.	
Exercise and Sport Studies		B.S.
Forensic Biology	A.B.	
French	A.B.	
Geology	A.B.	B.S.
German	A.B.	
German Studies	A.B.	
Health Sciences+		B.S.
History	A.B.	
Integrative Studies	A.B.	
International Studies+	A.B.	
Life Sciences	A.B.	
Mathematics	A.B.	B.S.
Music	A.B.	
Peace and Conflict Studies+	A.B.	
Philosophy	A.B.	
Physics		B.S.
Political Science	A.B.	B.S.
Psychology**	A.B.	B.S.
Religious Studies	A.B.	
Sociology and Anthropology	A.B.	B.S.
Spanish	A.B.	
Sport Management		B.S.
Theatre Studies	A.B.	
Women's Studies+	A.B.	

\*\* Denotes degree programs that may be completed entirely through either day or evening classes.

+ Requires a double major.



# *Graduation Requirements; Degrees and Certificate Programs Offered*

## **GRADUATION REQUIREMENTS**

For the baccalaureate degree, students must:

- earn a minimum of 128 credits (usually 32 courses) with at least a C (2.00) average.
- enroll at Guilford for a minimum of two semesters of full-time study.
- complete half their major and concentration courses at Guilford or one of the consortium institutions.
- spend their last semester of study at the college.
- file their applications for degree candidacy in the Office of the Registrar at least one semester before the anticipated date of graduation.

Students taking academic courses on a credit/no credit basis will qualify for graduation if they maintain a C average in their regularly graded courses and pass those graded “CR/NC.”

An alternate route to the four-year degree is the “C credit accumulation plan”—the completion of 128 credits with grades of C or better, with at least 64 credits being earned at Guilford. After petitioning to participate in the “C credit accumulation plan,” a student is required to earn a C or higher in each course to remain enrolled. Students who are

approved by the associate academic dean to pursue this route to graduation will have all grades recorded on their transcripts, but only courses completed with grades of C or better will count toward graduation, including all area and distribution requirements. A student normally decides to adopt this alternative after a period of academic separation from the college with the understanding that any grade below C will result in removal from the “C credit accumulation plan” and permanent dismissal.

## **DEGREES OFFERED**

Guilford offers a variety of baccalaureate degrees. The Bachelor of Arts degree may be awarded in any of 28 major fields; the Bachelor of Science, in 18; the Bachelor of Fine Arts, in one.

See the Table of Degrees/ Majors Offered, page 25.

A student majoring in chemistry or mathematics is awarded a Bachelor of Science degree unless a Bachelor of Arts is requested.

A student majoring in chemistry, geology, mathematics, political science, psychology or sociology/anthropology may plan a program leading to either a

Bachelor of Arts or a Bachelor of Science degree.

An art major may pursue either a Bachelor of Arts or a Bachelor of Fine Arts.

## COOPERATIVE OR DUAL-DEGREE PROGRAMS

Cooperative programs are those in which students take a portion of their undergraduate work (usually three years) at Guilford, completing an additional one to two years at the cooperating institution. At the end of the specified period of time, the student receives a baccalaureate degree from Guilford and a more specialized professional certificate or degree from the second school.

Admission to Guilford does not automatically qualify students for admission to a cooperative program. Students must apply to the schools sponsoring programs that interest them, and their admission is the prerogative of those schools.

**Engineering.** A student who seeks to complete an engineering degree may take courses at Guilford in mathematics, physics and chemistry, as well as from the liberal arts core. If the student maintains a grade-point average above 3.00 at the end of the sophomore or junior year, she/he may choose to transfer to an engineering college or to continue and earn a degree at Guilford. Since requirements for this program are very specific, interested

students should consult with the adviser of the program, if possible before their first semester.

*Adviser:*

*Rexford E. Adelberger, physics department*

**Environmental Management and Forestry.** The college offers a cooperative program with Duke University leading to graduate study in natural resources and the environment. The program accepts students after three years of undergraduate study or upon completion of the baccalaureate degree.

Five major programs are emphasized at Duke's Nicholas School of the Environment: forest resource management, resource ecology, ecotoxicology and environmental chemistry, water and air resources and resource economics and policy. A program in coastal zone management is under development in cooperation with the Duke Marine Laboratory. Individual plans of study and research are tailored within these concentrations.

With appropriate guidance, highly qualified students can reach a satisfactory level of preparation for graduate work in the School of the Environment after three years of coordinated undergraduate study. The student must fulfill all the general requirements by the end of the junior year at Guilford. At the end of two full-time semesters at Duke, the student will have completed the undergraduate degree requirements, and the B.S. or A.B. degree will be awarded by Guilford. After four semesters at Duke, in which a minimum of 48 credits is earned, the student may receive one of the professional degrees, either the Master of Forestry or Master of Environmental Management, from the School of the Environment.

The cooperative college program does not guarantee admission to Duke. Students who wish to enter the Nicholas School of the Environment, whether after the junior year or completion of the baccalaureate, must submit an application for admission by February 15 preceding the academic year in which they desire to begin study at Duke.

An undergraduate major in one of the natural or social sciences, business or environmental science is good preparation for study at Duke, but students with other undergraduate majors are considered for admission. All prospective students should have at least one introductory course in ecology, calculus, statistics and microeconomics and a working knowledge of microcomputers for word processing and data analysis.

*Adviser:*

*Lynn J. Moseley, biology department*

**Physician Assistant.** A program with Bowman Gray School of Medicine at Wake Forest University in Winston-Salem, N.C., allows a student to complete required courses at Guilford and then, if accepted, to enroll at Bowman Gray School of Medicine in a 24-month training program in clinical and specialty areas. Upon successful completion of the program at Bowman Gray, the student receives a baccalaureate degree from Guilford and a physician assistant certificate from Bowman Gray School of Medicine.

*Adviser:*

*Charles G. Smith, biology department*

## PREPROFESSIONAL OPTIONS

### **Pre-Medicine, Pre-Dentistry.**

Students interested in careers in medicine, dentistry, podiatry, osteopathy, chiropractic, pharmacy or optometry receive the prerequisites at Guilford for professional school admission. Health professions advisers provide detailed information on various careers, as well as on professional school admission requirements, application procedures and special programs for minority students. Also available are application materials, financial aid information and study materials for entrance examinations (such as Medical College Admission Test and Dental Admission Test).

A health professions adviser assists the student in planning an individualized program of study which, for most career fields, includes at least one year each of biology, inorganic chemistry, organic chemistry, mathematics and physics. Pre-medicine and other pre-health students may major in the field of their choice while obtaining specialized courses needed for graduate study.

*Advisers:*

*Lynn J. Moseley, biology department*

*Anne G. Glenn, chemistry department*

*Charles G. Smith, biology department*

**Pre-Veterinary Medicine.** Students receive solid preparation at Guilford for admission to a school of veterinary medicine. To complete prerequisites for application, students usually major in biology. Some veterinary schools also require a course in animal science, which

Guilford students can take at North Carolina A&T State University through consortium arrangements.

*Adviser:*

*Lynn J. Moseley, biology department*

**Pre-Law.** Students planning to attend law school are urged to contact the pre-law adviser and to participate fully in the activities of the Websterian Pre-Law Society. Students are encouraged to contact the adviser early in their undergraduate studies for both academic and law school admission advice.

There is no prescribed or preferred major for pre-law students, but rather law schools seek students who have demonstrated mastery of their chosen fields of study and complete a balanced liberal arts education. Pre-law students are urged, however, to include foreign languages, the basics of accounting, political theory, logic (formal or informal), economics and analytical writing and critical thinking among their undergraduate courses. Many law schools require solid performance on the Law School Admission Test (LSAT) and a 3.00 or higher grade-point average.

The Websterian Pre-Law Society provides practice LSATs, regular meetings, guest speakers and visits to nearby law schools. Internships at local agencies and law firms are coordinated by the pre-law adviser.

*Adviser:*

*Lisa J. McLeod, philosophy department*

**Pre-Ministerial.** The religious studies department offers preparation which may lead to a career in the ministry or religious education. A broad range of courses, preparing the student to enter theological school directly upon graduation, includes History of Christianity, Hebrew Bible and New Testament, Contemporary Theology, Feminist Theology, Quakerism, Western and Eastern Ethics and various explorations in modern religious problems. Studies in comparative religions are offered regularly.

*Adviser:*

*John H. Stoneburner, religious studies department*

**NOTE:** As a Quaker college Guilford supports the peace testimony of Friends and does not offer or support courses in military science. Such courses are available on an audit basis at North Carolina Agricultural and Technical State University, also located in Greensboro, for Guilford students who want to enroll through the consortium cross-registration program.

# Academic Departments and Majors

The “course” is the basic unit of instruction and measurement of academic progress at Guilford. Almost all courses carry four credits (the equivalent of four semester hours). Exceptions include some sport studies courses, independent study projects, internships and seminars.

Normally, 100-level courses are introductory courses, 200-level courses are sophomore courses and 300- and 400-level courses are junior and senior courses. First-year students may not enroll in 300- or 400-level courses unless they demonstrate exceptional maturity or background in the discipline.

Courses are generally offered by academic departments, which make available coherent patterns of courses for students to take to complete the requirement for a major. Interdisciplinary majors are also available.

Guilford offers a total of 40 majors, which include:

- accounting
- African American studies
- art
- athletic training (see sport studies)
- biology
- business management
- chemistry
- community and justice studies  
(see justice and policy studies)
- computer information systems  
(see business management)

- computing and information technology
- criminal justice (see justice and policy studies)
- earth studies (see geology and earth sciences)
- economics
- education studies
- English
- environmental studies
- exercise and sport studies (see sport studies)
- forensic biology (see biology)
- French (see foreign languages)
- geology and earth sciences
- German (see foreign languages)
- German studies (see foreign languages)
- health sciences
- history
- integrative studies
- international studies
- life sciences (see biology)
- mathematics
- music
- peace and conflict studies
- philosophy
- physics
- political science
- psychology
- religious studies
- sociology and anthropology
- Spanish (see foreign languages)
- sport management (see sport studies)
- theatre studies
- women’s studies

## Accounting

Course offerings of departments and interdisciplinary programs are listed in this section. The following order is observed: course number, descriptive title, any cross-listing(s) of the course and credits awarded for the course. Noted at the end of the course description are prerequisites and any general college requirements to which the course applies in the current curriculum.

## ACCOUNTING (ACCT)

*William A. Grubbs, Sulton Bibb Stedman*

*professor of accounting, chair*

*H. Garland Granger III, associate professor*

*Raymond E. Johnson, associate professor*

The increasing complexity of business, government and industry demands that able, well-educated persons be available to assume positions of responsibility. The preparation that accounting students receive at—the breadth of liberal arts—is designed to qualify them to cope successfully with today's ever-changing environment. Graduates of the program can seek the challenge of a career in public accounting or respond to the demand for persons in industrial and governmental accounting. Others choose to use their accounting background as a way of joining the ranks of management in various organizations.

**Degrees Offered.** A Bachelor of Science degree is offered. The Bachelor of Science degree program consists of eight major courses and five common body of knowledge courses.

**Take the CPA Examination at Graduation.** Guilford accounting graduates may sit for the CPA Examination in North Carolina in the semester in which they graduate.

**Unique Approach to the 150-Hour Requirement.** Most states now require 150 semester hours of coursework to complete the educational requirement for a CPA license. Since Guilford students normally graduate with 128 semester hours of credit, the accounting department offers a series of five two-semester-hour credit modules of business law so that our students may graduate with 138 semester hours of credit. This program permits a full-time main campus student to register for an extra two hours of college credit (for free) in each of the last five semesters at the college. These modules are taught on videotapes and on an independent study basis.

The major advantage of the 138-hour program is that it allows the student to attend summer school for one summer, complete the 150-hour requirement and save the cost of a fifth year of college. Using this program, a Guilford student may graduate with a degree in accounting, sit for the CPA Exam and complete the 150-hour requirement within four years and a summer of study.

**Major Requirements.** The accounting major provides a structure within which students gain exposure to the primary area of accounting and receive a basic grounding in statistics, economics, computers and finance. The entire major consists of 13 courses: eight accounting courses and five common body of knowledge courses.

The eight required accounting courses are ACCT 201, 301, 302, 303, 311, plus three accounting electives chosen from the 300 and 400 level.

The five common body of knowledge courses are ECON 221: Macroeconomic Principles; MATH 112: Elementary Statistics; BUS 241: Computers and Management; BUS 332: Financial Management; and a capstone course such as IDS 402: Business Ethics.

**201 Introduction to Accounting. 4.**

Fundamental accounting concepts as applied to business enterprises. Emphasis on analysis and recording of transactions and the use of financial statements for decision-making. Fulfills business and policy studies requirement.

**290 Internship, 1-4.** May also be offered at the 390 level.

**301 Intermediate Accounting I. 4.**

Theory and application of financial accounting, with an emphasis on the accounting cycle, financial statement presentations—the statement of financial position and the income statement. Present value concepts and current assets are also discussed. Prerequisite: ACCT 201.

**302 Intermediate Accounting II. 4.**

Theory and application of financial accounting, with an emphasis on liabilities, intangible assets, operational assets and corporate equity accounts. Other topics include earnings per share, dilutive securities and long-term investments. Prerequisite: ACCT 301.

**303 Intermediate Accounting III.**

**4.** Theory and application of financial accounting, with an emphasis on changes

in financial position, pension costs, leases, current-value accounting, revenue recognition and partnerships. Prerequisite: ACCT 302.

**311 Cost Accounting. 4.**

Development and use of production costs in planning, controlling and decision-making. Prerequisite: ACCT 201.

**321 Taxation of Individuals. 4.**

Principles of federal income tax laws relating to individuals. Fulfills business and policy studies requirement. Prerequisite: ACCT 201.

**322 Taxation of Corporations and Partnerships. 4.**

Principles of federal tax laws affecting corporations, shareholders and partnerships. Prerequisite: ACCT 321 recommended.

**401 Advanced Accounting. 4.**

Accounting and reporting for consolidated corporations, partnerships, multinational enterprises and nonprofit organizations. Prerequisite: ACCT 303.

**411 Auditing. 4.** The independent auditor's examination of the accounting control system and other evidence as a basis for expressing an opinion on a client's financial statements. Basic audit objectives, standards, ethics, terminology, procedures and reports. Prerequisite: ACCT 303.

**421 C.P.A. Problems. 4.** General and specialized problems in accounting and related fields which constitute the subject matter of the C.P.A. examination in Accounting and Reporting and Financial Accounting and Reporting.

## African American Studies

**422 C.P.A. Law. 4.** General and specialized topics in business law that constitute the subject matter of the C.P.A. examination in that area. Topics include contracts, negotiable instruments, agency and the accountant's legal liability.

**450 Special Topics. 4.** May also be offered at 250 and 350 levels.

**460 Independent Study. 1-4.** May also be offered at 260 and 360 levels.

**470 Senior Thesis. 4.**

**490 Departmental Honors. 4.**

# AFRICAN AMERICAN STUDIES

*Coordinator: Karen M. Tinsley, assistant professor of psychology*

African American studies celebrates the achievements of Africans and peoples of African descent throughout the Diaspora while addressing their pursuit of justice, equality and self-determination. The major focuses on North America while encompassing Africa, the Caribbean and other parts of the world. It seeks to develop greater respect for scholarship as a tool for problem solving and to prepare students to become agents of change who will pursue social justice and promote an appreciation of racial and cultural differences in the United States and the wider world.

Courses are taught from different disciplinary and philosophical perspectives, and students are encouraged to examine their own values and develop their own

perspectives. Students are also encouraged to participate in the study abroad semester in Ghana and to get involved in the local Greensboro community through internships and service projects. African American studies helps prepare students for a wide range of careers in such fields as human relations, social work, sports management, health care, criminal justice, education, management and law and lays a foundation for graduate studies in the field.

**Degrees offered.** The Bachelor of Arts degree is offered in African American studies.

**Major Requirements.** African American studies is a double major that requires students to have a second major in a discipline and an adviser in both the disciplinary major and African American studies. The major requires at least eight courses. No more than two of these courses may be at the 100 level. Other requirements are as follows:

- **Historical Dimensions.**
  - HIST 225: African American History
- **Creative Voices.**
  - ENGL 230: African American Literature  
OR
  - ENGL 331: Black Women Writers  
OR
  - ENGL 332: Black Men Writers
- **Theoretical Frameworks.**
  - PSY 242: Psychology of African Americans OR
  - PSY 349: Multiculturalism and Psychology OR
  - SOAN 265: Racial and Ethnic Relations

- **African Connections.** at least one, but no more than three, courses about Africa.
- **Practical Applications.** A one-semester advanced internship or independent study in the senior year, supervised by a faculty member teaching regularly in the African American studies program.

## Courses in the Major

### Arts Division

- THEA 102/SPST 111: Jazz Dance
- MUS 110: Jazz Appreciation

### Business and Policy Division

- JPS 365: Race in Criminal Justice
- JPS 439: Understanding Oppressive Systems

### Humanities Division

- ENGL 151: Historical Perspectives: Black Women's History and Literature
- ENGL 230: African-American Literature
- ENGL 331: Black Women Writers
- ENGL 332: Black Men Writers
- ENGL 334: African Women Writers
- ENGL 338/IDS 422: Harlem Renaissance
- ENGL 378: Caribbean Literature
- HIST 225: African-American History
- HIST 241: Africa's Golden Age: 3200 BCE-1500 CE
- HIST 242: Africa from the Slave Trade to Colonialism: 1500-1900
- HIST 243: Africa in the Twentieth Century
- HIST 308: Underground Railroad
- HIST 315: Civil Rights Movement
- HIST 343: Women in Modern Africa
- PHIL 261: Philosophy and Race
- REL 103: Voices of Liberation

### Social Science Division

- PSY 242: Psychology of African-Americans
- PSY 213/ SOAN 213: Class, Race and Gender
- PSY 349: Multiculturalism and Psychology
- SOAN 215: Anthropology of Slavery
- SOAN 235 African Families in Transition
- SOAN 265: Racial and Ethnic Relations
- SOAN 358: African Cultures
- SOAN 415/IDS 411: Gender and Development in Africa

## ART (ART)

*Adele Wayman, H. Curt and Patricia S.*

*Hege professor of art, co-chair*

*Roy H. Nydorf, professor, co-chair*

*Heea Crownfield, visiting assistant professor*

The Department of Art seeks to develop a studio program of high quality for its majors as well as to develop an awareness and appreciation of art in all students. The art major involves students in the visual arts, both as creative artists and as learners of multiple philosophical and art historical perspectives. It provides for an in-depth experience in making images and formulating and crafting ideas through a variety of means. Emphasis is on training in observation, technical application of skills demanded of each medium and the resolution of imagery for presentation to an audience.

**Degrees Offered.** Two degrees in studio art are offered. The Bachelor of Arts is for students who prefer a major in art in addition to a broad liberal arts background. The Bachelor of Fine Arts is

## Art

designed for students primarily interested in becoming professional artists or in entering graduate school in studio art.

**Major Requirements.** Eleven courses are required for the studio art major seeking a BA degree. Three foundation courses are required: Two-dimensional Design (ART 102); Three-dimensional Design (ART 106); and Drawing I (ART 104). In addition, students take three studio art courses and may apply for the honors option of Senior Thesis I (ART 480) in their chosen focus as a fourth course. In that case, an exhibition of the senior thesis is required. Students also take two art history courses and three art electives (or two art electives if pursuing the senior thesis).

Twenty courses are required for the BFA degree, which emphasizes a more intense study of studio art. Four foundation courses are required from these offerings: Two-dimensional Design (ART 102), Three-Dimensional Design (ART 106), and Drawing I and II (ART 104 and 205). Seven studio courses must be completed in the student's focus; two of them must be Senior Thesis I and II (ART 480 and 481, an exhibition). Three art history courses also are required. In addition, students take six art courses in areas other than their concentration. Four courses should be outside their area of studio focus. This degree usually cannot be completed in less than four and a half years.

The BFA degree does not require a concentration.

### **100 Introduction to Visual Arts. 4.**

Overview of the principal visual arts, including their aesthetic qualities, structural forms and historical roles. Fulfills arts requirement.

### **102 Two-dimensional Design. 4.**

Fundamentals of design in two-dimensional media in black and white and color. Fulfills arts requirement

### **104 Drawing I. 4.**

Basic principles of drawing in various media stressing the relationship of observation, materials and methods to form. Fulfills arts requirement

### **106 Three-dimensional Design. 4.**

Materials, techniques, and concepts of three-dimensional design with a color consideration. Fulfills arts requirement.

### **130 Photography I. 4.**

Materials, equipment, and techniques in black and white photography. Image content and composition is stressed as well as mastering the craft of creating photographic images and their presentation. Introduction to digital imaging. Fulfills arts requirement.

### **140 Ceramics I. 4.**

Introduction to ceramic processes: hand-building, throwing, sculptural forms, glazing and firing. Fulfills arts requirement.

### **204 Life Drawing I. 4.**

Figure drawing; stress on integration of formal, expressive, structural aspects of anatomy. Prerequisite: ART 104.

### **205 Drawing II. 4.**

Continuation of Drawing I. Exploration of creative concepts of expression. Prerequisite: ART 104.

**211 Painting I. 4.** Fundamentals of painting: color theory, relationship of materials, techniques and ideas to visual expression. Oil and/or water-based media explored. Prerequisite: ART 102 or 104.

**212 Painting II. 4.** Continuation of Painting I, emphasizing integration of basic pictorial concepts and including still life, landscape and the figure. Prerequisite: ART 211.

**221 Woodcut. 4.** Printmaking processes of relief printing, including linoleum, wood block, monotype. Prerequisite: ART 104 or consent of the instructor.

**231 Photography II. 4.** Advanced photography. Developing a cohesive body of work in the fine arts or documentary tradition. Presentation and exhibition skills along with non-silver processes: toning, hand coloring and digital imaging. Prerequisite: ART 130.

**235 Renaissance in Florence (HIST 235). 4.** Fulfills arts or humanities requirement.

**240 Ceramics II. 4.** Advanced ceramic techniques: throwing on the wheel, glaze preparation and formulation, kiln operation. Prerequisite: ART 140 or consent of the instructor.

**245 Digital Darkroom. 4.** Introductory class working with Adobe Photoshop to manipulate and create images. Design principles emphasized.

**251 Sculpture I. 4.** Introduction of tools and techniques of subtractive sculpture in plaster, wood, mixed media and welding. Prerequisite: ART 106 or consent of the instructor.

**271 Art Survey. 4.** European art from the Renaissance through Impressionism.

**273 Chinese Painting Survey. 4.** Major artists and cultural characteristics of this tradition.

**274 Renaissance Art. 4.** Major artists and stylistic trends of 15<sup>th</sup> - and 16<sup>th</sup> - century Italian and Northern Renaissance art.

**275 Modern Art. 4.** Major artists and art movements from 1860 to 1945. Fulfills arts and diversity in the U.S. requirements.

**276 Contemporary Art. 4.** Major artists and movements from 1945 to the present.

**290 Internship. 4.** Majors with advanced standing may petition the department to receive academic credit for internship experiences. Adviser conferences, mid-semester progress reviews and final art staff conferences are required. May also be offered at the 390 level.

**305 Life Drawing II. 4.** Continuation of Life Drawing I, emphasizing composition and expression. Prerequisite: ART 204.

**311 Painting III. 4.** Exploration of media in relation to form and personal expression. Content issues in contemporary art will be explored. Prerequisite: ART 212.

**322 Color Printmaking. 4.** Color monotype, collagraph, embossing. Prerequisite: ART 221.

## Biology

**323 Etching. 4.** Intaglio printmaking processes, including etching on hard and soft ground techniques, aquatint and drypoint. Prerequisite: ART 221.

**352 Sculpture II. 4.** Construction processes in sculpture including wood, found material, metal. Prerequisite: ART 106 or consent of the instructor. Fulfills social justice/environmental responsibility requirement.

**411 Painting IV. 4.** Formal, philosophical and content issues of painting; emphasis on individual direction. Prerequisite: ART 311.

**422 Advanced Printmaking. 4.** Advanced color intaglio printmaking with emphasis on the creation of a complex color image. Multi-plate printing, relief stencil, viscosity color techniques introduced and explored. Prerequisite: ART 323.

**450 Special Topics. 4.** May also be offered at 250 and 350 levels.

**453 Sculpture III. 4.** Exploration of media in relation to form and personal expression. Prerequisite: ART 352.

**460 Independent Study. 1-4.** May also be offered at 260 and 360 levels.

**477 New York Art Seminar. 1.** Four-five day seminar on the visual arts, stressing dialogue with artists in New York City studios, museums and galleries. Course planned to acquaint students with the making and promotion of the visual arts.

**480-481 Senior Thesis I, II. 4,4.** Each student must apply with a portfolio and a first draft of a senior thesis proposal

to the art faculty in the semester before their final semester at Guilford. Students who are selected are expected to work independently and complete projects that demonstrate technical proficiency and originality of concept. Adviser conferences, mid-semester progress reviews and final art staff critiques required. Prerequisites: advanced standing, a 3.25 average in art courses and consent of department chairperson.

**490 Departmental Honors. 4.** Specific requirements may be obtained from department chair.

## BIOLOGY (BIOL)

*Lynn J. Moseley, professor, chair*

*Frank P. Keegan, professor*

*Charles G. Smith, professor*

*Melanie L. MacDonald, assistant professor*

The Department of Biology seeks to provide students with a strong foundation in the biological sciences. The department offers two majors: biology and life sciences. The curriculum is designed so that all students take certain basic courses and then pursue more advanced courses according to their own interests. This flexibility enables students to prepare for graduate school; for medical, dental and other professional schools; and for careers in many different areas of biology and related fields. The laboratories and equipment in the new Frank Family Science Center have made it possible for us to improve our offerings in all areas of the major and especially in cell biology, genetics, ecology, anatomy and physiology.

**Degrees Offered.** The Bachelor of Science degree is offered in biology. Bachelor of Arts degrees are offered in life sciences as well as in forensic biology. Through an arrangement with Duke University's Nicholas School of the Environment, a degree completion program and a master's degree program in forestry are also available.

**Biology Major Requirements.** A major in biology consists of 14 four-credit courses, including General Zoology (BIOL 114), General Botany (BIOL 115) and Cell Biology (BIOL 313). Five additional biology courses are chosen by students in consultation with their advisers. Chemical Principles I & II (CHEM 111/112), College Physics I & II (PHYS 211/212) and two courses in mathematics are also required for the biology major. Calculus I and II (MATH 121 and 122), or Elementary Statistics and Calculus I (MATH 112 and 121), or Elementary Statistics and Elementary Functions (MATH 112 and 115) are recommended for biology majors.

Many biology courses involve fieldwork and off-campus field trips. Expanded study and research opportunities are available at the North Carolina coast, in the mountains and in adjacent states. Several biology courses are included as options for the new environmental studies major. Summer field courses offer students the opportunity to take courses taught in Kenya, Costa Rica and the American Southwest.

Biology majors are encouraged to pursue independent research projects under the supervision of a biology faculty member. This research can lead to the writing of a thesis during the senior year, Senior Thesis (BIOL 470), or to honors in biology, Departmental Honors (BIOL

490). In addition, there are numerous opportunities for student participation in independent studies (BIOL 260 or 460) and internships (BIOL 290).

### **Life Sciences Major Requirements.**

As part of the College's new curriculum, the biology department has developed a new major in life sciences. The goal of this major is to provide students with a sufficient background in the life sciences to prepare them for a career in environmental law, environmental science, environmental education, national or state park naturalists, medical illustrator or author, marketing and sales of pharmaceuticals or scientific equipment, laboratory technician, medical support staff or other careers that do not require undergraduate work in physics and calculus. This major consists of ten courses: BIOL 114, 115, and 313, five additional biology courses and CHEM 111/112.

### **Forensic Biology Major Requirements.**

The major in forensic biology has two goals: to provide students with a solid foundation in the biological sciences through a core of three introductory courses and to provide a focused and coherent study of the techniques used to analyze evidence found at the scene of a crime through the use of five upper-level courses. The upper-level courses emphasize the meaning and significance of physical evidence and its role in criminal investigations.

This major will be valuable preparation for those interested in pursuing careers in the criminal justice system, the FBI or the SBI, as well as for work with humanitarian agencies investigating human rights abuses. In addition, students interested in law, journalism and creative writing will be able to double major and thus acquire the

## Biology

knowledge needed to complement their original field of specialization.

The major consists of eight courses:

General Zoology (BIOL 114), General Botany (BIOL 115), Introduction to Forensic Science (BIOL 245), Forensic Chemistry (BIOL 246), Cell Biology (BIOL 313), Human Anatomy and Physiology I and II (BIOL 341 and 342) and Forensic Anthropology (BIOL 349).

**114 General Zoology. 4.** Introductory study of the biology of selected vertebrates and invertebrates including basic concepts of evolution, genetics, cell structure, ecology and ethology. Laboratory includes work with living and preserved animals and emphasizes anatomy, physiology and taxonomy of representative phyla. Required for the major. Fulfills natural science requirement.

**115 General Botany. 4.** Introductory study of the plant kingdom including morphology, anatomy, physiology, ecology and evolution. Laboratory study includes experiments and observation of typical species of plants and morphology, anatomy and taxonomy. Required for the major. Fulfills natural science requirement.

**151 Evolution: An Historical Perspective. 4.** An examination of 1) the views of human origins prior to Darwin, 2) Darwin's theories and those of his contemporaries and 3) the history of evolutionary theory in modern times. One of the weekly class periods will be used to give students practical experience in the methods of evolutionary study, such as techniques for determining protein allotypes, and examining species relationships through DNA analysis.

Spring, alternate years beginning 2002. Fulfills historical perspectives requirement.

**209 Human Biology. 4.** An introductory study of the human body, including the basic structure and function of the major organ systems (nervous, endocrine, circulatory, reproductive, etc.) and the effects of diet, exercise, stress and environmental change on human health. Does not count toward the major. Can be taken with lab to fulfill natural science requirement.

**210 Plants and Society. 4.** Study of the history, geographic distribution, structure and phylogenetic relationships of plants which are of value to man. This includes plants used for food, flavoring, beverages, drugs, fibers, wood and other plant products. Does not count toward the major.

**211 Genetics and Society. 4.** Study of genetics and evolution with special emphasis on their implications for human society. Evolution, the cell as a unit of life, the principles of heredity, genetic engineering and the inheritance of genetic diseases. Does not count toward the major.

**212 Environmental Science. 4.** Study of the structure and function of ecosystems with reference to energy flow, nutrient cycling, population growth and regulation and community organization and dynamics. Particular emphasis on the relation of man to the ecosphere. Can be taken with lab to fulfill natural science requirement. Fulfills natural science and social justice/environmental responsibility requirements.

**233 North Carolina Freshwater Fishes. 4.** A field course for those students desiring an outdoor lab science. Field studies introduce students to the diversity, distribution and ecology of North Carolina freshwater fishes. Fulfills natural science requirement.

**240 Seminar West (GEOL 240). 4.** Five-week summer course, including four weeks of camping and hiking, to study the American Southwest. Emphasis on the natural history of the canyon country of the Colorado Plateau: the geologic processes of mountain building and erosion and the plant and animal communities found in these environments. Fulfills natural science and social justice/environmental responsibility requirements. Summer, once every three years.

**242 Natural Science Seminars (GEOL 242). 4.** Studies of the biology, geology, ecology and natural history of different field areas, including East Africa, Costa Rica or the North Carolina Outer Banks. Includes a one-to-three week trip to the area being studied, depending on when the course is offered. Students conduct research projects during the field trip portion of the course. Fulfills natural science and social justice/environmental responsibility requirements.

**245 Introduction to Forensic Science. 4.** In-depth study of the application of the biological, chemical and physical sciences to the examination of forensic evidence. Explores the underlying physiological and biochemical basis for forensic methods; laboratory drug identification. Does not count toward the major. Fulfills natural science requirement. Fall, alternate years.

**246 Forensic Chemistry (CHEM 246). 4.** Explores methods used to examine and identify evidence of criminal activity, including techniques for developing fingerprints, characterizing blood and identifying illegal drugs. Students will use the latest technology in DNA fingerprinting for suspect identification. Prerequisite: BIOL 245 or permission of instructor. Spring, alternate years.

**290 Internship, 1-4.** May also be offered at the 390 level.

**313 Cell Biology. 4.** A study of the structure and function of eukaryotic cells including: microscopic structure, biochemical components, the organization of macromolecules into cellular organelles and the coordinated function of organelles in the living cell. Includes a detailed study of chromosome structure and function; DNA, RNA and protein synthesis. Prerequisite: BIOL 114; CHEM 111-112.

**324 Plant Biogeography. 4.** Taxonomic study of vascular plants involving classification, collection and identification in the field and laboratory. Prerequisite: BIOL 115 or consent of the instructor. Fall.

**325 Nonvascular Plants. 4.** Advanced study of non-vascular plants with emphasis on morphology, anatomy and phylogeny of algae, fungi and bryophytes. Prerequisite: BIOL 115. Alternate years.

**326 Vascular Plants. 4.** Advanced study of vascular plants with emphasis on their morphology, anatomy and phylogeny. Prerequisite: BIOL 115. Alternate years.

## Biology

### **332 Invertebrate Zoology. 4.**

Advanced study of invertebrate phyla with emphasis on taxonomy, physiology and ecology of the several groups. Prerequisite: BIOL 114. Offered when demand and scheduling permit.

**333 Ichthyology. 4.** Study of the diversity, distribution and ecology of the world fish fauna with emphasis on field studies of North Carolina populations. Basic anatomy and physiology will also be covered. Prerequisite: BIOL 114. Fall, alternate years.

**334 Animal Behavior. 4.** The zoological approach to the study of animal behavior, ethology, behavioral ecology, types of social organization and communication in animals and the evolution of behavior in selected species. The laboratory section of the course will provide opportunities for students to observe and record the behavior of a variety of animals. Prerequisite: BIOL 114. Alternate years.

### **335 Vertebrate Field Zoology. 4.**

Advanced study of vertebrates, emphasizing morphology, taxonomy, ecology and behavior of representative tetrapod species. Laboratory work includes field studies of the major groups of North Carolina tetrapod vertebrates. Prerequisite: BIOL 114. Alternate years.

**336 Ornithology. 4.** In-depth study of evolution, anatomy, physiology, ecology and behavior of birds as unique vertebrates adapted for flight. Laboratory involves extensive field work in identification of birds in various habitats. Prerequisite: BIOL 114. Spring.

### **340 Psychobiology (PSY 340) 4.**

**341 Human Anatomy and Physiology I. 4.** Detailed study of the structure and function of human nervous, sensory, endocrine, integumentary, skeletal, muscular and respiratory systems. Prerequisite: BIOL 114. Fall.

**342 Human Anatomy and Physiology II. 4.** Detailed study of the structure and function of human cardiovascular, lymphatic, immune, digestive, excretory and reproductive systems. Prerequisite: BIOL 341. Spring.

### **343 Sensory Systems. (PSY 343) 4.**

**349 Forensic Anthropology. 4.** Spring, alternate years beginning 2001.

**351 Comparative Vertebrate Anatomy. 4.** Brief survey of the main classes of vertebrates; detailed comparative study of the major vertebrate organ systems. Prerequisite: BIOL 114. Offered when demand and scheduling permit.

**352 Animal Physiology. 4.** The various physiological processes characteristic of living organisms; functioning of the individual organ systems with emphasis on interrelationships between organ systems and functioning of organ systems in the maintenance of homeostasis, selected topics in comparative vertebrate physiology. Prerequisites: BIOL 114. Spring, alternate years.

**433 Microbiology. 4.** Structure, classification, nutrition and biochemistry of microorganisms, especially bacteria and viruses causing human disease. Processes of viral infection, bacterial sporulation and genetic exchange are examined; laboratory

work includes methods of isolation, characterization and identification of microorganisms and techniques of sterilization and disinfection. Fall.

**434 Biochemistry (CHEM 434). 4.**

Chemical structure and physiological function of the biochemical building blocks of living organisms; correlation of structure and function of proteins, carbohydrates, lipids and nucleic acids; emphasis on lipid metabolism and biochemical pathways of nucleic acid synthesis; includes a study of the molecular basis of cancer. Techniques used in the isolation and identification of proteins, lipids and nucleic acids are explored in the laboratory. Prerequisite: CHEM 232. Spring, alternate years.

**438 General Ecology. 4.** Basic ecological principles governing the structure and function of populations, communities and ecosystems. Prerequisite: BIOL 114 and 115. Fulfills social justice/ environmental responsibility requirement. Alternate years. Fall.

**443 Genetics. 4.** A study of the components of the hereditary system and their functions—chromosome structure, mitosis, meiosis, crossing-over, chromosome mapping, gene fine structure, control of gene expression and gene mutation. Mendelian and extranuclear inheritance, population genetics and human genetic traits and diseases are explored. Prerequisite: CHEM 111. Fall.

**450 Special Topics. 4.** Possible courses include: Dendrology, Vertebrate Social Behavior, Genetic Engineering, Human Disease. May also be offered at the 250 and 350 levels.

**460 Independent Study. 1-4.** May also be offered at the 260 and 360 levels.

**470 Senior Thesis. 1-4.** Individual experience in biological research and writing of a professional paper.

**490 Departmental Honors. 4-8.**

## BUSINESS MANAGEMENT (BUS)

*Nicolette DeVille Christensen, assistant professor, chair*

*Alice C. Stewart, Jefferson Pilot professor of business management*

*Peter B. Bobko, associate professor*

*William F. Stevens, associate professor*

*Betty T. Kane, assistant professor*

*Linda Cohen, visiting assistant professor and coordinator of the computer information systems major*

*Deena Burris, visiting instructor*

The Department of Business Management offers majors in business management and computer information systems (CIS). To provide support for students in other majors, the department also offers a business management concentration that provides students with an introduction to business concepts and tools and offers additional course work in a variety of interesting areas. This concentration is not available to business management majors.

**Degrees Offered.** The Bachelor of Science degree is offered in business management and computer information systems

## Business Management

**Bachelor of Science Degree in Business Management.** The business management major provides students with basic concepts and tools to participate in public or private, for-profit or not-for-profit organizations. More specifically, students learn to analyze, plan, organize, lead and control the work of others so that the organization will achieve its goals. The program prepares our students to enter an increasingly global environment and also provides exposure to social, human, cultural, international, political and ethical issues. The major is both conceptually based and career oriented. In the words of the Quaker George Fox, Guilford's program teaches matters that are "civil and useful." The major is particularly distinctive because it represents a strong professional program, effectively integrated with the more traditional liberal arts, that provides students with important marketable and life-long learning skills.

The program of study offers close faculty-student rapport, a strong emphasis on both written and oral communication skills, exposure to international issues in all areas of business management, computer applications, field internships and special topics courses. Students preparing for graduate and professional schools benefit from the program's strong library and research emphasis, broad-based integration of international topics, focus on qualitative and quantitative analysis and problem solving and extensive use of the case study method.

In conjunction with an adviser, a student may choose to emphasize a particular area of study within the department while meeting major or concentration course requirements. Areas of emphasis include banking and finance, international management, human resources management, marketing

management and computers and information systems. Students preparing for careers or graduate work in the field of international business are encouraged to pursue a double major in business management and international studies. Students interested in banking or finance should consider a money and finance concentration.

### Requirements:

Eight major and three prerequisite courses are required. The eight major courses include BUS 215, 241, 249, 324, 332, 449, ACCT 301 and one elective management course at the 300 or 400 level. The three prerequisite courses include ACCT 201 (a grade of C or better is required), ECON 221 and either MATH 112 or 121. A management internship is strongly recommended.

### Bachelor of Science Degree in Computer Information Systems.

The computer information systems major is designed to prepare students for careers in information technology companies or as information technology specialists within industries of their interest. The program provides a sound base of computer competencies as well as opportunities to emphasize the specific computer-related interests of the student. Courses in programming, management information systems, Internet and World Wide Web applications and computer graphics and design are part of a growing list of topics available for students to pursue within the major. Students completing this major will hold a Bachelor of Science in computer information systems upon graduation from Guilford.

Requirements:

Prerequisites include BUS 141: Introduction to Computers (or equivalent knowledge and skill) and satisfying the college's quantitative literacy requirement (i.e., pass the quantitative literacy exam or any Guilford math course, or transfer an approved math course)

Students must take the following major courses:

- CMIT 100: Introduction to Computer Programming
- CMIT 201: Data Structures and Algorithms OR CMIT 202: Data Structures and Algorithms for CIS
- BUS 241: Computers and Management
- BUS 341: Management Information Systems
- Three approved elective courses in advanced topics in management and computing. At least two of the electives must be 300 level or above. Areas of study include:
  - Computer hardware and operating systems (e.g., CMIT 321: Perspectives in Information Systems)
  - Networking and telecommunications (e.g., CMIT 322: [Inter]Networking Computers)
  - Special topics in computer programming
  - World Wide Web applications (e.g., BUS 344: E-Commerce)
  - Theory and implementation of database management systems (e.g., CMIT 342: Database Systems)
  - An approved capstone course (e.g., IDS 419: Artificial Intelligence & Artificial Life) or a one-semester four-credit senior project. (Note: As is the case with other disciplinary majors, CIS majors

may NOT double-count their liberal-arts-requirement IDS 400 course with their major).

**120 Introduction to Business. 4.**

Survey course covering all major functions of business. Provides students with tools which can be used to predict and respond to future changes in the business environment. Demonstrates how the free enterprise system and individual entrepreneurs can respond to social needs. Does not count toward the major unless taken with first- or second-year status. Fulfills business and policy studies requirement.

**141 Introduction to Computers. 4.**

Assumes no prior knowledge of or experience with computers. Word processing, databases, spreadsheets and on-line services are reviewed. Does not count toward the major. Fulfills business and policy studies requirement.

**215 Business Law. 4.** Survey of the U.S. legal concepts relevant to the operations of the business system including topics of contracts, agency, sales, products liability, secured transactions, bankruptcy, real property and corporate and administrative law. Fulfills business and policy studies requirement.

**241 Computers and Management. 4.**

Applications of computers in management. Use of spreadsheets, databases and on-line services; introduction to programming in spreadsheets with other programming as time allows. Fulfills business and policy studies requirement.

## Business Management

### **249 Principles of Management. 4.**

Theory, practices and principles involved in the organization and management of organizations. Problem-solving through situation case analysis; global management issues, activities and experiences are integrated into the course. Fulfills business and policy studies requirement.

### **272 Financial Planning. 4.**

Introduction to personal financial planning and the principles of retirement and estate planning. Emphasis on constructing and analyzing personal financial statements, investments, risk management and the economic environment.

**281 Personal Finance. 4.** Fulfills business and policy studies requirement.

### **282 Fundamentals of Investing. 4.**

Introduction to securities and securities markets. Exposure to financial literature and techniques of analysis, with application in a stock market simulation. Fulfills business and policy studies requirement.

**290 Internship. 1-4.** A combined on-the-job and academic experience arranged with a local business, supervised by a management department instructor and coordinated through the internship and service learning office. Consists of experiential learning, managerial analysis and written and oral reports. Recommended for juniors and seniors. May also be offered at the 390 level.

**310 Professional Communications. 4.** Introduction to key elements of verbal, nonverbal and written communication with potential employers, clients, regulators, supervisors, subordinates and co-workers.

Development of active listening, presentation, group process and business writing skills. Prerequisite: ENGL 102 or equivalent. Fulfills business and policy studies requirement.

### **320 Organizational Behavior. 4.**

Interdisciplinary approach to coverage of skills needed to understand human behavior in the workplace setting. Awareness of unique learning needed to communicate, negotiate and work with an increasingly diverse work force and cross-cultural issues. Prerequisite: junior or senior status or permission of instructor. Fulfills business and policy studies requirement.

### **321 Human Resource Law and Management. 4.**

Techniques, issues and problems in recruitment, selection, development, utilization and accommodation of human resources in organizations. Issues related to increasingly diverse work force and international management included. Prerequisite: junior or senior status or permission of instructor. Fulfills business and policy studies requirement.

**324 Principles of Marketing. 4.** An extensive course in marketing, focusing on product definition, branding, distribution channels, advertising and promotion. Strategic decision-making analysis, global marketing overviews and social responsibility issues are emphasized throughout the course. Prerequisites: MATH 112 or 121, ECON 221 or 222, ACCT 202 or 301.

**331 Sales Management. 4.**

Comprehensive analysis of the relationship between personal selling and mainstream marketing. Sales management concepts and a thorough view of globalized selling and business ethics are emphasized throughout the course.

**332 Financial Management. 4.**

Introduction to the field of finance and the principles and practices of financial decision-making in an increasingly international business environment. Emphasis on valuation, risk and return, capital budgeting, financial planning and financial analysis. Prerequisites: MATH 112 or 121, ECON 221, ACCT 301, BUS 241.

**333 Money and Capital Markets**

**(ECON 333). 4.** Introduction to the financial system in an increasingly global economy. Emphasis on financial instruments, markets and institutions; the role of the banking system; overview of monetary theory and policy; current and future trends reshaping the global financial system. Prerequisite: BUS 332 or permission of instructor.

**341 Management Information**

**Systems. 4.** Introduction to the ingredients and thinking that must go into the construction of systems to produce and maintain information systems; investigation of business use of information systems; introduction and application of systems development methodology. Prerequisite: BUS 141 or 241 or permission of instructor.

**342 Database Systems (CMIT 342).**

**4.** Introduction to theory and practice of enterprise-level relational database systems. Using Oracle, the student will learn the

principles of entity relationship modeling and normalization. By modifying a database in a project, the student will learn how to create queries using SQL, triggers, stored procedures, cursors, forms and reports. Prerequisites: GEOL 105, CMIT 201 or CMIT 202, and BUS 241.

**343 Computer Graphics. 4.**

Introduction to Adobe Illustrator and Adobe PhotoShop. Emphasis on the creation of original artwork and modification of photographs and other graphic images, as well as on basic web design and creation of a Web site to display finished work product.

**344 e-Commerce. 4.** Introduction to the Internet, World Wide Web, Intranet and electronic commerce. Emphasis on the basics of database design through Access, HTML and forms design, Internet Information Server and FrontPage to create pages for an online store.

**347 Production and Operations Management. 4.**

Survey of operations management concepts and techniques associated with producing goods or providing services. A selection of decision-making tools will be reviewed and discussed in cases and, when possible, implemented in computer programs.

**349 International Management. 4.**

Interdisciplinary approach to the analysis of the international business environment, its opportunities and risks and the basic concepts of the international management of functional operations, with emphasis on cultural and social responsibility issues. Case studies and experiential exercises help students analyze, explore and simulate

## Chemistry

real-life situations. Prerequisite: junior or senior status or above or permission of instructor. Fulfills business and policy studies requirement.

### **371 Nonprofit Management. 4.**

Examines the role of the nonprofit sector in the United States economy. Students learn about specific business applications in the context of nonprofit organizations, with specific emphasis on management, accounting, marketing, law and planning. Students also examine the function of the mission within these organizations, as well as fund-raising options and practices.

**424 Marketing Strategy. 4.** Advanced marketing course designed to include globalized market analysis, formulation of marketing strategies and review of pricing structures. Prerequisites: MGMT 324 and 332.

### **430 Managerial Analysis. 4.**

Managerial use of computer systems to model the business environment including concepts from production, finance and accounting. Prerequisites: MGMT 332 and 347.

### **449 Policy Formulation and**

**Strategy. 4.** Integrative capstone course based on case studies and analyzing the total organization and its operational functions. Analysis and development of policies to support total organization goals within varying constraints, with an emphasis on globalization issues, social responsibility and ethics and effective written and oral communication. Prerequisites: MGMT 215, 241, 249, 324, and 332.

**450 Special Topics. 1-4.** May also be offered at the 250 and 350 levels. Recent topics include environmental management, entrepreneurship, real estate and international topics.

### **460 Independent Study. 1-4.**

Individual student projects approved and supervised by a management department faculty member. May also be offered at the 260 and 360 levels.

**470 Senior Thesis. 1-4.** Independent research and writing of a professional paper on a topic in management under the supervision of a full-time management department faculty member.

### **490 Departmental Honors. 4-8.**

Independent research, writing and presentation of a professional paper on a topic in management under the supervision of a committee of management department and other appropriate faculty.

## CHEMISTRY (CHEM)

*Anne G. Glenn, associate professor, chair*

*David F. Machmes, Jr., professor*

*Robert M. Whitnell, assistant professor*

Chemistry is rapidly emerging as the discipline at the base of many interdisciplinary subjects such as biotechnology, materials science, molecular biology and environmental science. The chemistry major at Guilford explores the fundamental principles of chemistry and examines how those principles are applied to the observable world. Chemistry majors will develop chemical reasoning and experimental skills, as well as an

understanding of the interdisciplinary nature of the science.

Students with a major in chemistry will be prepared to work in the chemical industry, pursue graduate research in chemistry (or related field) or attend medical or dental school. A chemistry major can lead to many different careers outside chemical or biochemical research. These include teaching, medicine, patent law, business or interdisciplinary areas such as environmental science, molecular biology, pharmacology, toxicology, materials science, geochemistry and chemical physics.

Key features of the chemistry program at Guilford are the emphasis on research and direct student access to computers and instrumentation. Students in chemistry at all levels are encouraged to participate in research, whether integrated into courses, through collaboration with faculty during the semester, or through summer research experiences at Guilford or other institutions. In addition, students are encouraged to pursue the practical applications of chemistry through internships. With the completion of the Frank Family Science Center in May of 2000, state-of-the-art facilities are available for student/faculty research.

**Degrees Offered.** The Bachelor of Arts and Bachelor of Science degrees are offered in chemistry.

**Major Requirements.** Requirements for the major include the completion of a sequence of introductory and advanced courses in chemistry that introduce students to the main areas of study in chemistry. Course work in the related fields of mathematics and physics is also required to prepare students for upper level courses in chemistry. The following courses are

required for both the Bachelor of Arts and Bachelor of Science in chemistry: Chemical Principles I and II (CHEM 111 and 112), Organic Chemistry I and II (CHEM 231 and 232), Integrated Laboratory I and II (CHEM 235 and 345), Physical Chemistry I (CHEM 331), Instrumental Analysis (CHEM 341), Inorganic and Materials Chemistry (CHEM 342) and Chemistry Seminar (CHEM 400) and any 400-level chemistry course.

For the **Bachelor of Science** major in chemistry, additional courses are:

- CHEM 332: Physical Chemistry II
- MATH 121: Calculus I AND MATH 122: Calculus II OR MATH 123: Accelerated Calculus
- PHYS 121: Physics I AND PHYS 122: Physics II AND PHYS 320: Mathematical Physics

For the **Bachelor of Arts** major in chemistry, additional courses are:

- MATH 121: Calculus I AND MATH 122: Calculus II OR MATH 123: Accelerated Calculus
- PHYS 211: College Physics I AND PHYS 212: College Physics II

Majors are encouraged to participate in an industrial or governmental internship, pursue undergraduate research during the semester or summer and/or study abroad as part of their experience at Guilford.

**Scholarships.** To recognize superior work in chemistry, the department annually offers a prize for outstanding achievement to a student in general chemistry and the Ljung Scholarship to a rising senior chemistry major. In addition, the department selects a senior for the Outstanding Student Award given by the North Carolina Institute of Chemists.

## Chemistry

Chemistry majors are also eligible for the Glaxo-Wellcome Women in Science Scholarship, awarded annually to an outstanding rising junior woman science major.

### **105 The Chemistry of Recycling.**

**4.** This course uses basic chemistry to explore the science behind recycling, what can be done and why it works. Other readings will establish the context for recycling and the political and economic realities of treating and using recycled materials. The course's ultimate goal is to highlight the role of personal responsibility in protecting the environment. Fulfills natural science and social justice/environmental responsibility requirements. Does not count towards the chemistry major or concentration.

### **110 Real World Chemistry.**

**4.** Chemistry is connected to everything in our lives: from food to fuel, natural to artificial, medicine to the environment, consumer products to toxic waste. This course is designed to educate students about chemistry and its effects on our world using illustrations from our common experience. Fulfills natural science and social justice/environmental responsibility requirements. Does not count towards the chemistry major or concentration.

**111 Chemical Principles I.** **4.** Basic principles of chemistry, periodicity, bonding and energy relations. Fulfills natural science requirement.

### **112 Chemical Principles II.**

**4.** Molecular and ionic equilibria, kinetics and mechanisms and introduction to organic

and biochemical systems. Prerequisite: CHEM 111. Fulfills natural science requirement.

**150 History of Science.** **4.** A historical perspective on the rise of science over the past centuries. The course examines the development of the scientific method and traces the people, institutions, movements and false starts that led to modern science. Fulfills historical perspectives requirement. Does not count towards chemistry major.

**231 Organic Chemistry I.** **4.** An introduction to the structure and reactivity of organic molecules; topics covered include chemical nomenclature, bonding and structure of carbon compounds, acid-base relationships, mechanisms of reactions and structure determination. Laboratory component includes techniques for the synthesis and characterization of organic compounds and determination of reaction mechanisms including experimental, chromatographic and spectroscopic methods commonly employed in modern organic chemistry. Prerequisite: CHEM 112.

**232 Organic Chemistry II.** **4.** A continuation of Organic I. Topics covered include mechanisms of more complex reactions, multi-step organic synthesis, applications of molecular orbital theory to reactions and the chemistry of biologically important molecules such as sugars and peptides. Laboratory component focuses on multi-step synthesis of organic compounds using a variety of reactions, employing chromatographic and spectroscopic techniques in the purification and analysis of reaction products. Prerequisite: CHEM 231.

**235 Integrated Laboratory I. 1.**

Laboratory course integrating organic chemistry with other fields of chemistry. Students from several chemistry classes conduct original research on multidisciplinary projects. Co-requisite: CHEM 232.

**246 Forensic Chemistry (BIOL 246).**

**290 Internship, 1-4.** May also be offered at the 390 level.

**331 Physical Chemistry I. 4.** Physical chemistry of macroscopic systems, including classical and statistical thermodynamics, ideal and real gases, liquids and solutions, phases, chemical equilibrium, electrochemistry and kinetics. Laboratory includes experiments in physical chemistry of gases, thermochemistry, phases and electrochemistry. Prerequisites: MATH 122 or 123, PHYS 122 or PHYS 212. PHYS 320 is suggested as a prerequisite or co-requisite.

**332 Physical Chemistry II. 4.** Physical chemistry of microscopic systems including quantum mechanics, electronic structure of atoms and molecules, molecular structure and dynamics and spectroscopy. Laboratory includes experiments in kinetics, spectroscopy and structure analysis. Prerequisite: CHEM 331. PHYS 320 is suggested as a prerequisite or co-requisite.

**341 Instrumental Analysis. 4.** A systematic study of the modern instrumental methods of chemical analysis with emphasis on the theory behind the use of instruments, principles of operation of analytical instruments and

their use for the analysis of real samples. Prerequisite: CHEM 112, MATH 122 or 123.

**342 Inorganic and Materials Chemistry. 4.** The interaction between structure and electronic properties, the metallic state, solid state chemistry, metal complexes, stereochemistry, elementary crystallography and spectroscopy. The laboratory centers on unusual materials, their synthesis, structure, properties and analysis. Prerequisite: CHEM 341.

**345 Integrated Laboratory II. 1.** Laboratory course involving original research projects integrating inorganic chemistry with other fields of chemistry. Independent study and lab management skills are emphasized. Prerequisite: CHEM 235. Co-requisite: CHEM 342.

**400 Chemistry Seminar. 2.** The transition from college to graduate school, careers in the chemical industry, or careers in other fields. The development of presentation skills and the ability to search the chemical literature is stressed. Required of all majors.

**420 Polymer Chemistry. 4.** Synthesis, characterization, properties and uses of modern synthetic polymers. Current topics in polymer research and development such as biomedical polymers, space-age polymers and the use of polymers in electronics will be examined. Prerequisite: CHEM 232.

**430 Medicinal Chemistry. 4.** The organic chemistry of drug design and drug action. This course covers the interaction of drugs at sites in the body such as neuroreceptors, enzymes and DNA which

## Computing and Information Technology

lead to therapeutic effects. Prerequisite: CHEM 232 or permission of instructor.

### 434 Biochemistry (BIOL 434). 4.

**450 Special Topics. 4.** Recent courses include Chemistry of Coastal Waters, Advanced Organic Chemistry, Spectroscopy and Computational Chemistry. Topics include modern instrumental analysis, surface tension, environmental analysis and marine chemistry. May also be offered at the 250 and 350 levels.

### 460 Advanced Independent Study.

**1-4.** Recent topics include Photoredox Chemistry, Organometallic Synthesis, Experimental Design, Conducting Polymers, Advanced Organic Synthesis. May also be offered at 260 and 360 levels.

**470 Senior Thesis. 4.** Original research on a specific topic in chemistry or chemistry-related field. Students are expected to begin work on their topics before they register.

### 490 Departmental Honors. 4-8.

## COMPUTING AND INFORMATION TECHNOLOGY (CMIT)

Contact: Robert M. Whitnell,  
*assistant professor of chemistry*

The interdisciplinary major in computing and information technology provides a strong foundation in the concepts of computer science combined with a focus on the use of technology in a particular area. That focus can be on the

application of computing in a field of study, on the philosophical and social implications of technology or as the preparatory work for postgraduate education in computer science. In each case, the major consists of two foundation courses, five courses that establish the focus of the major and a capstone course or four-credit senior project.

Students who complete the requirements for the major in computing and information technology will obtain a background in the detailed concepts and tools of computer programming, a strong focus on the applications of information technology in a focus of interest and an increased ability to consider and evaluate the effect of new technologies from several perspectives: ethical, social, political and/or technical.

**Degrees Offered.** The Bachelor of Science is offered in computing and information technology.

**Major Requirements.** Computing and information technology requires a double major, meaning that students must have a disciplinary academic major in addition to computing and information technology. The requirements for the computing and information technology major consist of at least eight courses with the following requirements:

- **Foundation Computer Science Courses (2 courses).** All students are required to take Introduction to Computer Programming (CMIT 100) and either Data Structures and Algorithms (CMIT 201) or Data Structures and Algorithms for Computer Information Systems (CMIT 202). Students should consult with their adviser or the coordinator of

the major to determine whether CMIT 201 or CMIT 202 is the appropriate course

- **Elective Courses (5 courses).**

Students must take five elective courses in computing and information technology. Three of the electives (12 credits) should have a focus in a particular area or application of computing. The other two electives (8 credits) may be chosen from any approved for the major in computing and information technology.

- **Depth Requirement.** Of the elective courses, three must be at the 300 level or above.
- **Interdisciplinary Requirement.** Students may not count courses taken in the same department as their disciplinary major for credit toward the major in computing and information technology.

- **Capstone (1 course).** All students are required to take a capstone course. This course must be approved by the advisory committee and have a significant portion devoted to issues in the social, ethical, philosophical or political aspects of computing and information technology beyond those discussed in the introductory courses. Courses that satisfy this requirement include Globalization and its Discontents (PSCI 441) and approved IDS 400 courses such as IDS 419: Artificial Intelligence and Artificial Life. Students pursuing this major also have the option of completing a one-semester four-credit senior project when no appropriate capstone courses are

available. If this option is chosen, the project must have a significant portion devoted to social, ethical, political and/or philosophical aspects of computing.

Internships and independent study courses can be used to satisfy any of the computing and information technology courses with approval from the advisory committee.

Students who wish to pursue more advanced work in computing or computer science are encouraged to develop a strong background in mathematics, with a concentration in mathematics for the sciences being especially appropriate. Courses in discrete mathematics and formal logic (such as PHIL 292: Formal Logic) are strongly encouraged.

### Areas of Focus

#### **The Focus in Advanced Topics in Computing**

- CMIT 321: Perspectives in Information Systems
- CMIT 322: (Inter)Networking Computers
- CMIT 331: Information Design
- CMIT 342/BUS 342: Database Systems
- CMIT 401: Artificial Intelligence and Artificial Life
- PHYS 250: Computer Electronics

#### **Focus in Creative Arts**

- ART 245: Digital Darkroom
- THEA 370: Digital Sound Design
- CMIT 371/THEA 371: Digital Graphic Design

### Focus in Business Management

- BUS 241: Computers and Management
- BUS 341: Management Information Systems
- BUS 342/CMIT 342: Database Systems
- BUS 344: E-Commerce

### Focus in Mathematics and Logic

- MATH 250: Discrete Mathematics
- MATH 320: Mathematical Physics
- MATH 325: Linear Algebra
- MATH 415: Numerical Analysis
- PHIL 292: Formal Logic

### Focus in Physical Sciences

- GEOL 350: Images of the Earth
- PHYS 121: (with lab) Classical and Modern Physics I
- PHYS 122: (with lab) Classical and Modern Physics II
- PHYS 231: Experimental Physics III
- PHYS 232: Experimental Physics IV
- PHYS 250: Computer Electronics
- PHYS 320: Mathematical Physics
- PHYS 331: Experimental Physics V
- PHYS 332: Experimental Physics VI

### Focus in Creative Arts

- ART 245: Digital Darkroom
- THEA 370: Digital Sound Design
- CMIT 371/THEA 371: Digital Graphic Design

### Focus in Technology and Society

- CMIT 331: Information Design
- CMIT 401: Artificial Intelligence and Artificial Life
- PHIL 241: Computer Ethics
- PHIL 375: Topics in the Philosophy of Mind
- PSCI 431: Globalization and Its Discontents

### Prerequisites for the Major.

Students pursuing this major should have completed Introduction to Computers (BUS 141) or have equivalent knowledge and skills. Students should also have satisfied the college's quantitative literacy requirement before taking any of the required courses for the major. It is strongly recommended that students are extremely comfortable with algebra and trigonometric and logarithmic functions before they take the foundation courses.

### CMIT 100 Introduction to Computer Programming (GEOL 105). 4.

**CMIT 201 Data Structures and Algorithms. 4.** Continuation of CMIT 100 with the use of high-level object-oriented languages such as C++ or Java. Topics include pointers and memory allocation, standard data structures, algorithm analysis and standard computing algorithms, event-driven programs (such as in a graphical user interface), comparisons of high-level languages and further development of object-oriented programming techniques. Prerequisite: CMIT 100/GEOL 105.

### CMIT 202 Data Structures and Algorithms for Computer Information Systems. 4.

A continuation of CMIT 100 using Visual Basic as the programming language. Topics include standard data structures and computing algorithms, event-driven programs (such as in a graphical user interface), working with the basic controls that come with VB, associating the controls with programming procedures, working with menus and forms and attaching to

and updating an Access database using those forms. Prerequisite: CMIT 100/ GEOL 105.

**CMIT 290 Internship, 1-4.** May also be offered at the 390 level.

**CMIT 321 Perspectives in Information Systems. 4.** Computer hardware and software concepts at an intermediate level, based on a broader perspective of the computer industry, incorporating historical developments, current practices and future technologies. Topics include higher-level computing terms and concepts, exploration of a range of operating systems, hands-on experience in the configuration of hardware and software and analysis of the rapid changes in information technology and how to best adapt to them. Prerequisite: any course that counts for the CMIT or CIS majors.

**CMIT 322 (Inter)Networking Computers. 4.** In-depth exposure to the terms, concepts and configurations that have historically been, are currently being, and may in the future be used to accomplish inter-computer communication. Topics and technologies covered include telecommunications, wide area networking, local area networking, topologies and protocols, routing, switching and bridging, internet design and services, security, remote access, emerging technologies and the OSI model. Lab exercises focus on the installation of operating systems and configuration of their networking components, design and construction of examples of computer networks and experimentation with performance and configuration of those networks. Prerequisite: CMIT 321.

**CMIT 331 Information Design. 4.** Examination of communication using computers and the Internet from the perspectives of both the provider and the consumer. Topics include Web page design, Web site construction, information quality and evaluation and how technology has affected and will affect communication and information transfer. Comparative study of communication technologies viewed as revolutionary, such as the printing press. Prerequisite: experience in constructing Web pages (for example, through completing BUS 241).

**CMIT 342 Database Systems (BUS 342). 4.**

**CMIT 371 Digital Graphic Design (THEA 371). 4.**

**CMIT 401 Artificial Intelligence and Artificial Life (IDS 419). 4.** Concepts and techniques involved in building artificial systems that claims some level of intelligence or life. Exploration of the technical aspects and the philosophical and social issues involved in attempting to create intelligent and/or living systems. Satisfies the major's capstone requirement. Prerequisite: CMIT 201 or CMIT 202.

**CMIT 450 Special Topics. 4.** May also be offered at 250 and 350 levels.

**CMIT 460 Independent Study. 1-4.** May also be offered at 260 and 360 levels.

**CMIT 470 Senior Thesis. 4.** A written senior thesis may be undertaken as a separate project or as the culmination of independent study; the senior thesis must represent serious research and independent thought. The senior thesis may satisfy the

## Economics

requirements of the capstone course with the approval of the advisory committee.

**CMIT 490 Departmental Honors. 4-8.** Seniors with a 3.50 GPA may complete a senior's thesis and obtain program honors at graduation.

## ECONOMICS (ECON)

*Robert G. Williams, Voehringer professor  
of economics, chair*

*Robert B. (Bob) Williams, associate professor*

Every individual must make economic decisions, and economic forces and government economic policies have a continuous impact on our lives. The economics program at Guilford is designed to contribute to a liberal arts education in three ways. First, it combines scientific analysis with a historical and global perspective, providing a deeper understanding of the complex forces at work in the world. Second, it provides rigorous training in analytical thinking, problem solving, designing and carrying out fruitful research projects and effectively communicating results both orally and in writing. All of these skills prepare students to perform well in a wide variety of careers. Third, it clarifies issues of human values and perspectives, addressing concerns that lie at the heart of every issue of public policy, thereby preparing students to become more effective and well-rounded citizens.

**Degrees Offered.** The Bachelor of Arts degree is offered in economics.

**Major Requirements.** Eight courses (32 credits) are required for a major in economics. They must include the two courses in Principles of Economics (ECON 221 and 222), Research Methods (ECON 301), and five upper-level economics courses (300 or 400 level).

Each student is encouraged to plan the major in consultation with the adviser. Economics majors planning to go to graduate school in economics are strongly encouraged to achieve competency in Calculus I and II, courses regularly taught by the mathematics department. Those interested in careers in private business or non-profit enterprise and those planning to attend graduate school in business management or law are encouraged to take the money and finance concentration. At the very least, they are encouraged to take Accounting I and Financial Management, two courses regularly taught outside the department that provide rigorous training in how to read and analyze financial reports. Majors seeking careers in law are encouraged to take two additional courses: one in formal logic taught by the philosophy department and one upper-level English course. Majors seeking careers in international policy making are encouraged to take the international political economy concentration.

**221 Macroeconomic Principles: "Global Vision: the U.S. in the World Economy". 4.** The study of aggregate supply and demand; national income and fiscal policy; the banking system and monetary policy; economic fluctuations and growth—all viewed from a global systems perspective. Applied topics include: unemployment, inflation, gross domestic product, interest rates,

economic forecasting, the Federal Reserve system, technological change, productivity, business cycles, foreign exchange markets, the balance of international payments and others, depending on current developments in the economy. Fulfills social science requirement.

### **222 Microeconomic Principles:**

**Public Policy. 4.** The study of economics; supply and demand; consumer behavior; firms, production and cost; perfect competition, monopoly and other market types; income distribution; all explained with the goal of understanding economic problems and evaluating public policy to solve these problems. Applications to agriculture, energy, environment, poverty, economic development, discrimination, natural resources, taxes, regulation, sports and other special topics, depending on the semester. May be taken independently of ECON 221. Fulfills social science and social justice/environmental responsibility requirements.

**290 Internship, 1-4.** May also be offered at the 390 level.

**301 Research Methods. 4.** The course focuses on the key areas of quantitative research methods including the scientific method, selection of research design, data collection and sampling, questionnaire design, data analysis and interpretation and ethical issues in research design. In this class students learn by doing. Class assignments and projects enable students to develop their proficiency in using descriptive and inferential statistics to analyze and interpret data. Students have the opportunity to undertake original research. Prerequisite: ECON 221, 222, or consent of the instructor.

### **333 Money and Capital Markets (BUS 333). 4.**

### **335 Comparative Economic Systems WRT: "The Rise and Fall of the Soviet Empire" (IDS 414). 4.**

Historical analysis of the rise and decline of socialist-type economies (especially the former USSR, but cases for student research include Eastern Europe, China, Cuba, etc.) and the challenges of transition and integration into the world capitalist system. In this seminar-style course, students select a particular country other than Russia for an in-depth semester-long research project that culminates in a written report and an oral presentation. Prerequisite: ECON 221, 222, or consent of the instructor. Alternate years.

### **336 Economic and Social Development WRT: "Beneath' the United States" (IDS 433). 4.**

U.S. policy-makers frequently view Latin America and the Caribbean as "beneath" the United States. This seminar-style course adopts a radically different perspective: from within Latin America looking outwards. Prerequisite: ECON 221, 222, or consent of the instructor. Fulfills intercultural requirement. Alternate years.

### **342 Economics of the Public**

**Sector. 4.** Is government merely a necessary evil or can it be an effective force to improve the lives of its citizens? This course examines the role and performance of government programs in our economy, raising significant social and economic issues such as wealth distribution, poverty, taxation and economic fairness. Fulfills social justice/environmental responsibility requirement. Prerequisite: ECON 222, or consent of professor.

## Economics

**344 Environmental and Resource Economics. 4.** Is economic growth necessary to provide the prosperity needed to pay for environmental restoration or does such growth create environmental problems we can never undo? The course uses economic theory, ecological concepts and systems approaches to examine current management practices of our renewable and nonrenewable resources. Fulfills social justice/environmental responsibility requirement. Prerequisite: ECON 222, or consent of the instructor.

**432 International Economics  
WRT: "Beside' the United States".**

**4.** Systematic approach to international economic relations; theories of international trade and finance; impact of national governments and multinational institutions on movements of commodities, people, direct investment, portfolio flows and foreign exchange markets; application of international economic theory to current problems of the world economic order. Prerequisite: ECON 221, 222, or consent of the instructor. Alternate years.

**441 Labor Economics. 4.** Alternative approaches to labor-market theory and policy; perfect competition, segmentation and dual labor-market hypotheses. Income distribution; unions and collective bargaining; discrimination and poverty macroeconomics of the labor market. Prerequisite: ECON 222, or consent of the instructor.

**450 Special Topics. 4.** Recent offerings include both standard fields of economics, interdisciplinary fields (Methods of Social Research, offered jointly with the sociology/anthropology department;

Economic History of the United States, offered jointly with the history department), and other topics of interest to the faculty (Democracy at Work; Women, Children and Economic Policy). Prerequisites: depending on the design of the course. May also be offered at 250 and 350 levels.

**460 Independent Study. 1-4.**

Independent research or directed study on a topic of interest to the student. Credit depends on the quality and quantity of work agreed upon in advance; generally, for example, one credit would be earned for an acceptable 20-page paper. Prerequisite: consent of the department. May also be offered at the 260 and 360 levels.

**470 Senior Thesis. 8.** Research and oral presentation of an in-depth study, usually building from research done in other upper-level economics courses. For students of exceptional motivation and ability. Prerequisite: consent of the department prior to the middle of the second semester of the student's junior year.

**490 Departmental Honors. 4.**

## EDUCATION STUDIES (EDUC)

*Margaret Borrego, assistant professor, chair*  
*David P. Hildreth, assistant professor*  
*Jean Tillman, visiting assistant professor*

The primary goal of the education studies program is to develop educators who are grounded in the liberal arts and are self-confident, inquisitive, and thoughtful in their practice. We seek to develop prospective teachers committed to and capable of constructive action in contemporary society. In preparing students to assume professional roles in schools, the program emphasizes understanding educational issues from a global perspective using observation, practice, experimentation and action research to discover how people learn and how schools and other educational settings are made effective.

Throughout the program, faculty and students in the department work together in interactive learning experiences in the classroom and in the field, incorporating practical application with theoretical discussion and exploration. The tutorial sessions, a unique and integral part of the program, engage students and faculty members in one-on-one interchanges in the first- and second-year courses.

Other central components of the program include the portfolio review, a written and oral self-assessment presented by each student to the education studies faculty midway through the major; the cross-cultural internship and inquiry, usually in another country; and the capstone experience after student teaching in which students reflect on their student teaching experiences in relationship to their theoretical and philosophical grounding

and explore leadership roles that they may take in the future. Close faculty and student relationships are developed through tutorial sessions, peer group learning, portfolio reviews, field supervision and the advising system.

The three major curricular components of the program are:

- a strong interdisciplinary liberal arts core required of all students.
- a double or joint major (an education studies major and a major in another academic department).
- a cross-cultural education internship that usually includes a semester abroad.

There are three licensure tracks in the education studies major.

- Elementary licensure, grades kindergarten through six.
- Secondary licensure, grades nine through 12, English and social studies.
- K-12 licensure, grades kindergarten through 12, French and Spanish.

**Degrees Offered.** The Bachelor of Arts degree is offered in education studies.

**Major Requirements.** Education studies requires a double or joint major, a variety of field experiences and in most cases an experience abroad. Because these requirements must be carefully planned, students are encouraged to begin the program by the second semester of the first year. In most cases, students complete the program with its two majors, cross-cultural field experience and requirements for state and reciprocal licensing in four to four and a half years.

In accordance with North Carolina state requirements, formal acceptance into the program occurs during the sophomore year and depends upon a 2.50 grade-point average, recommendations and other

## Education Studies

pertinent criteria (refer to the Education Studies Program Handbook, which includes Policies and Procedures for Teacher Education, Student Teaching and Licensure). In addition, each student is required to pass the Praxis I: Academic Skill Assessment administered by the Educational Testing Service, prior to formal admission to the program. Formal admission is necessary for enrollment in advanced Education Studies courses. Enrollment in the college does not guarantee acceptance into the program.

Other licensure requirements include passing the appropriate Specialty Area Praxis examinations, completing a technology portfolio and other criteria as specified by the state. Criminal background checks are also required before student teaching. Criminal background checks and/or drug tests may be required by local education agencies as a condition of employment.

Required courses for all education studies majors are: Developmental Psychology (PSY 224; the two tutorial courses: Education Inquiry (EDU 201); Learning and Teaching (EDU 202); Contemporary/Historical Issues in Education (EDU203); Field Study in Cross-Cultural Education (EDU 301); Student Teaching (EDU 440); and Student Teaching Seminar (EDU 410 or 420). Fieldwork is required in all of these courses.

Additional required courses for secondary and K-12 Majors: Seminar in the Processes of Secondary and K-12 Teaching (includes internship); or the appropriate specialty area courses (candidates for K-12 Licensure in languages take two courses at the University of North Carolina at Greensboro through a consortium relationship). Students seeking social

studies and English licensure should refer to history, political science and English departmental catalogue descriptions for additional coursework.

Additional required courses for elementary majors: Mathematics for Elementary School Teachers (MATH 103); U.S. History or an historical perspectives course focused on U.S. history; and Seminar in the Processes of Elementary Teaching (EDU 310) (includes internship).

Recommended course to fulfill business and policy studies requirement: JPS 310.

Please see the online college catalog for a current copy of the Title 2 Teacher Preparation Report.

**201 Education Inquiry: First Tutorial. 4.** Discovery of questions and issues which concern educators, inquiry into how these questions and issues have been and are being approached by others, and search for one's own reflective understanding. Focuses on the self, the educational community and the library as spheres of inquiry.

**202 Learning and Teaching: Second Tutorial. 4.** An interdisciplinary introduction to learning and teaching. Theories of knowledge, development and learning provide a context for experiences with individual students in the schools, interviews with Guilford faculty and observation and analysis of learning processes.

**203 Contemporary/Historical Issues in Education. 4.** Analysis of contemporary social, cultural, and political issues in education within an historical context. Fulfills social science requirement.

**217 Literacy Seminar. 2.** CR/NC.

**290 Internship, 1-4.** May also be offered at the 390 level.

**301 Field Study in Cross-Cultural Education. 4.** Usually taken during the study abroad experience. Examination of educational issues pertinent to the location in which the student is studying through readings, interviews and a 72-hour internship.

**310 Seminar in the Processes of Elementary Teaching. 16.** Integrated study of elementary school curricula, theories of curriculum design, developmentally appropriate teaching methodologies and educational materials. The students meet in classes on campus three days a week and work two days each week in an elementary school classroom observing, planning and teaching.

**312 Seminar in the Processes of Secondary and K-12 Teaching. 4.** Study of school structures and curricula; study and practice of methodologies appropriate to specialty areas and to integrated curricula. Internship component includes systematic observation and guided planning and teaching in a secondary or K-12 classroom.

**410 Elementary Student Teaching Seminar. 4.** Integrated with student teaching (EDUC 440). Reflection on student teaching experience and help with individual needs. Emphasis on appropriate materials and methods for elementary level.

**420 Secondary Student Teaching Seminar. 4.** Integrated with student teaching (EDUC 440). Reflection on student teaching experience and help with

individual needs. Emphasis on appropriate materials and methods for secondary and K-12 school levels.

**440 Student Teaching. 12.** Observation and directed teaching in area of licensure, supervised by the school's cooperating teacher and college personnel. There is a final two-week capstone experience at the conclusion of student teaching. During the capstone, students reflect on their student teaching experience in relationship to their theoretical and philosophical grounding. They also explore leadership roles that they may take in the future. Prerequisites: senior standing and completion of major courses.

Application for student teaching must be made by March 1 preceding the year in which the student expects to do student teaching. Acceptance into student teaching is based on a continuous 2.50 overall grade-point average and support from both major departments. Student teachers may not take additional credits, participate in a varsity sport in season or work part-time. Initial licensure is contingent upon successfully completing both majors, the student teaching program and relevant components of the national Praxis examination. CR/NC.

**450 Special Topics. 4.** Also offered at the 250 and 350 levels. Examples: Conflict Resolution with Children; Education and the Religious Quest for Meaning.

**460 Independent Study and Research. 1-4.** Also offered at the 260 and 360 levels. Independent study and research with appropriate faculty direction.

**470 Senior Thesis. 4.**

## English

### 490 Departmental Honors. 4-8.

Credit to be determined.

**Licensure Only:** Individuals who hold a Bachelor's degree may complete teaching licenses in each of the three licensure tracks. Coursework in addition to the Education Studies program may be required.

## ENGLISH (ENGL)

*Jeff Jeske, professor, chair*

*Carolyn Beard Whitlow, professor*

*Rebecca B. Gibson, associate professor*

*James Hood, associate professor*

*Amanda Bailey, assistant professor*

*Eleanor D. Branch, assistant professor*

The English major at Guilford focuses on the literatures of the English-speaking world, with an emphasis on British and American writers. An excellent major for any student seeking a broad liberal arts education, the English major involves study of that form of art through which humankind has constantly struggled to express most fully the central concerns of the human condition as understood in each age. With its emphasis on developing students' abilities to express their perceptions and analyses in dialogue and writing, the English major offers excellent preparation for work in a variety of professions.

Analytical and writing skills developed in the study of literature are precisely those required of lawyers and business executives. Students considering careers in business or law might choose to major in English and pursue a concentration in accounting, management, computing, history or political science.

Students desiring careers in journalism, technical writing, television or advertising would do well to major in English and pursue the communications concentration. Students planning careers in secondary education are required to double major in education studies and English. In order to acquire teaching licensure, students complete additional coursework in Rhetoric and Composition (ENG 380) and arrange for tutoring internships. For those not desiring a double major, an A.B. in English followed by an M.A. in teaching for licensure is a good alternative. Advisers from both education studies and English provide a developmental support program for prospective teachers of English, helping students in all aspects of their program and assuring that requirements are satisfied.

Outstanding students are encouraged to work for departmental honors. The Leora Sherrill O'Callaghan Scholarship is given annually to a rising senior who has excelled in English.

**Degrees Offered.** The Bachelor of Arts degree is offered in English.

**Major Requirements.** The English major requires a minimum of 32 credit hours beyond ENGL 151. Courses taken must include:

- ENGL 200: Introduction to Literary Studies
- Two literature courses at the 200 level
- Two literature courses at the 300 level
- Two electives (writing or literature or a combination of both)
- ENGL 400: Senior Seminar

Students will take the introduction to the major (ENGL 200) when they declare the major (usually in the sophomore year)

and the capstone course (ENGL 400) in their senior year.

One of the above literature courses must be in literature before 1835 (British) or 1865 (American).

The following courses from other departments may be taken to satisfy the 200-level literature requirement:

- REL 120: American Nature Writing
- THEA 243: Plays and Meaning

The following courses from other departments may be taken to satisfy the 300-level literature requirement:

- HIST 336: The Elizabethan Age
- REL 311: Religion, Literature and Nature in Japan

For further details of all programs, see both individual course descriptions and the department's advising guidelines, available from any department member.

Note: Both ENGL 102 and historical perspectives are prerequisites for all upper-level English courses except journalism and playwriting.

**100 Effective Reading. 1.** Focus on critical reading skills including distinguishing main ideas, developing vocabulary, using textual cues to build meaning and improving retention.

**101 Writing Seminar 4.** Workshop format; writing as process of discovery and exploration of possibility (invention, drafting, revision, peer editing); focus on writerly voice.

**102 College Reading and Writing: Many Voices. 4.** Discussion of and practice in composition with analysis of related readings that are chosen to celebrate a range of diverse populations that collectively define the American landscape. Texts and specific approach to writing indicated in instructors' course descriptions available at registration. Normally required fall semester of first year.

**151 Historical Perspectives (Variable Title). 4.** Fulfills historical perspectives requirement.

**200 Introduction to Literary Studies. 4.** Introduction to the study of English; a survey of historical periods and major critical schools. Required of all sophomore majors. Prerequisites: ENGL 102 and Historical Perspectives.

**205 Introduction to Creative Writing. 4.**

**206 Introduction to Poetry. 4.** Focus on analysis of poetry with attention to both formal and interpretive issues. Fulfills arts requirement. Prerequisites: ENGL 102 and Historical Perspectives. Prerequisites: ENGL 102 and Historical Perspectives.

**207 Introduction to Fiction. 4.** Study of narrative conventions in the short story and novel. Fulfills arts requirement. Prerequisites: ENGL 102 and Historical Perspectives.

**210 Playwriting Workshop (THEA 244). 4.** Twelve weekly scenes read and critiqued in class and a one-act play as a final project. Exploration of various elements of playwriting such as conflict, manipulation of chronology, life studies,

## English

character exposition and development, “found” language, passive participation in and transcription of actual events.

**211 Poetry Workshop. 4.** In-class critiques of student poems, reviews of contemporary poetry magazines and collections, craft discussions with visiting writers, evolution of literary principles, manuscript preparation. Requires either 205, 206, 207, or permission of instructor. Prerequisites: ENGL 102 and historical perspectives.

**212 Fiction Workshop. 4.** In-class critiques of student writing, reviews of contemporary literary magazines and short story collections, craft discussions with visiting writers, evolution of critical principles, manuscript preparation. Requires either 205, 206, 207 or permission of instructor. Prerequisites: ENGL 102 and historical perspectives.

**217 Literacy Seminar. 2.** CR/NC.

**221 British Literature I. 4.** Intensive study of representative works and survey of issues from Anglo-Saxon period through the 18<sup>th</sup> century. Recommended for all beginning majors and prospective majors. Prerequisites: ENGL 102 and historical perspectives.

**222 British Literature II. 4.** Intensive study of major literary figures and changing forms from the Romantic period to the present. Fulfills humanities requirement. Prerequisites: ENGL 102 and historical perspectives.

**223 Shakespeare. 4.** General introduction to the comedies, histories and/or tragedies. Fulfills humanities

requirement. Prerequisites: ENGL 102 and historical perspectives.

**224 Self-Image in Women’s Literature. 4.** A study of women’s writing from the late 17<sup>th</sup> century to the present. Focuses on women’s view of themselves and the means women have for asserting their individuality, dignity and power. Fulfills humanities requirement. Prerequisites: ENGL 102 and historical perspectives.

**225 American Literature Survey I. 4.** The American mind in literature from the Puritans to the Civil War. Fulfills humanities requirement. Prerequisites: ENGL 102 and historical perspectives.

**226 American Literature Survey II. 4.** The American literary tradition from the Civil War to the present. Fulfills humanities and diversity in the U.S. requirements. Prerequisites: ENGL 102 and historical perspectives.

**230 African American Literature. 4.** Literary study focusing on major figures of the 19<sup>th</sup> and 20<sup>th</sup> centuries, such as Wheatley, Douglass, Hughes, Wright, Hurston, Walker and Morrison. Fulfills humanities and diversity in the U.S. requirements. Prerequisites: ENGL 102 and historical perspectives.

**243 Plays and Meaning (THEA 243). 4.** Prerequisites: ENGL 102 and historical perspectives.

**270 World Literature. 4.** Study of selected literature from the seven continents. Fulfills humanities requirement. Prerequisites: ENGL 102 and historical perspectives.

**282 Journalism. 4.** A hands-on introduction to journalistic writing. All students will be working *Guilfordian* staffers while learning the fundamentals of news, feature and opinion writing as well as newspaper style. No journalistic experience required.

**285 *Guilfordian* Practicum. 2-4.** Workshop involving writing for “The *Guilfordian*.” No journalistic experience required. Repeatable

**286 Classic American Cinema. 4.** Study of the craft and cultural significance of key films of the 1930’s through 1950’s, the golden age of Hollywood. Fulfills humanities requirement.

**288 Shakespeare and Contemporary Film. 4.** Explores Shakespearean plays in relation to films that reconstruct a Shakespearean narrative in an entirely different imaginary realm. Fulfills humanities requirement. Prerequisites: ENGL 102 and historical perspectives.

**290 Internship. 1-4.** May also be offered at the 390 level.

**311 Advanced Poetry Workshop. 4.**

**312 Advanced Fiction Workshop. 4.**

**316 Advanced Playwriting Workshop. 4.**

**320 Chaucer and His Age. 4.** *The Canterbury Tales*, selections from Chaucer’s other works and additional writings of the late Middle Ages. Fulfills humanities requirement. Prerequisites: ENGL 102 and historical perspectives.

**323 Advanced Shakespeare. 4.** Focused study of particular themes (e.g., disguise and transformation). Prerequisites: ENGL 102 and historical perspectives.

**324 18<sup>th</sup> Century Literature. 4.** A close look at neoclassicism in the works of Rochester, Dryden, Congreve, Addison, Steele, Swift, Pope and Johnson. Includes essays, poetry, fiction and drama in veins satirical, lyrical, whimsical, philosophical. Fulfills humanities requirement. Prerequisites: ENGL 102 and historical perspectives.

**326 19<sup>th</sup> Century Literature. 4.** Selected poetry, fiction and non-fiction prose by authors of the Romantic and Victorian eras with special attention to intellectual and cultural issues such as the imagination, nature, human rights, industrialization, social class, the Woman Question, science and religion and sexuality. Fulfills humanities requirement. Prerequisites: ENGL 102 and historical perspectives.

**331 Black Women Writers. 4.** Explores a cross-section of the contemporary and historical writings produced by women of African descent primarily in North America, but also of South America, Europe, the Caribbean or Africa. Includes the novel, short story, poetry, drama, autobiography, narrative, essay, interview, letters, reviews and literary criticism. Fulfills humanities and diversity in the U.S. requirements. Prerequisites: ENGL 102 and historical perspectives.

**332 Black Men Writers. 4.** Explores classic and contemporary novels, short stories, drama, poetry, literary criticism, essays and issues by writers such as Ralph Ellison, Richard Wright, Amiri Baraka,

## English

August Wilson, Randall Kenan, James Baldwin, Yusef Komunyakaa and Nathan McCall. Fulfills humanities and diversity in the U.S. requirements. Prerequisites: ENGL 102 and historical perspectives.

### **334 African Women Writers. 4.**

Explores a range of literary voices from black and white women writers born in countries such as Ghana, Zimbabwe, South Africa, Kenya, Nigeria, Senegal, Egypt, Algeria, Botswana and Uganda. Fulfills humanities and intercultural requirements. Prerequisites: ENGL 102 and historical perspectives.

### **338 Harlem Renaissance (IDS 422). 4.**

This critical-thinking-based discussion course will introduce students to the “Jazz Age” of the 1920’s and 30’s from an Afro-centric perspective and will explore the significance of the era to the development of the African American literary and historical traditions. Fulfills humanities and diversity in the U.S. requirement. Prerequisites: ENGL 102 and historical perspectives.

### **342 American Romanticism. 4.**

Literary study focusing on such major figures as Emerson, Thoreau, Poe, Hawthorne, Melville and Whitman. Prerequisites: ENGL 102 and historical perspectives.

### **346 American Writing Across the 20<sup>th</sup> Century. 4.**

**372 Modern Poetry. 4.** Significant 20<sup>th</sup>-century poetry in British and American literature. Includes forms, techniques and themes; addresses poets such as Pound, Eliot and Williams. Prerequisites: ENGL 102 and historical perspectives.

### **374 Living Women Poets. 4.**

Exploration of the poetry of important female poets writing in English, to include Adrienne Rich, Eleanor Wilner, Margaret Atwood, Eavan Boland, Denise Levertov, Lucille Clifton, among others. Focuses on their revisions of legends and myths to include women’s experience. Prerequisites: ENGL 102 and historical perspectives.

### **376 Contemporary Fiction. 4.**

### **377 Readings in Gay and Lesbian Studies (IDS 409). 4.**

An intensive study of the literature and culture of gay, lesbian, bi-sexual, transgender and queer movements in 20<sup>th</sup>-century American with particular focus on the intersections among queer theory, women’s studies and African American studies. Fulfills humanities and diversity in the U.S. requirements. Prerequisites: ENGL 102 and historical perspectives.

**378 Caribbean Literature. 4.** Focus on the Post-Colonial novel—writing which is sophisticated, often experimental and poised on the cutting edge of contemporary literature. Fulfills humanities and intercultural requirements. Prerequisites: ENGL 102 and historical perspectives.

### **380 Rhetoric and Composition. 4.**

A history of rhetorical studies and a survey of major schools of thought, with emphasis on the practice of teaching writing. Includes study of grammar and the history of the English language. Prerequisites: ENGL 102 and historical perspectives.

### **382 Technical and Professional Communication. 4.**

Introduction to the history, technology and practice of the

profession of technical communications. Designed for students from many disciplines. Prerequisites: ENGL 102 and historical perspectives.

**400 Senior Seminar. 4.** Required of all senior English majors. Rotating seminars in special themes and literary figures. Sample topics include Violence in Early Modern Drama, Virginia Woolf, Literature and Ethics. Prerequisites: ENGL 102 and historical perspectives.

**450 Special Topics. 4.** May also be offered at 250 and 350 levels.

**460 Independent Study. 1-4.** Work may apply toward departmental honors if prior arrangement is made by student. Also offered at the 260 and 360 levels. Prerequisites: ENGL 102 and historical perspectives.

**470 Senior Thesis.** Credit variable. Work may apply toward departmental honors if prior arrangement is made by student.

## ENVIRONMENTAL STUDIES (ENVS)

*David M. Dobson, assistant professor of geology and earth sciences*

Environmental studies provides an interdisciplinary program that emphasizes the relationship between humans and the environment. It allows students to study and address fundamental issues of our times—the quality of the Earth’s environment and the sustainable use of its natural resources.

The program focuses on justice, global awareness and service to the larger community while respecting the concept of nature as sacred and Guilford’s Quaker heritage. The environmental studies program at Guilford is an overlap of many disciplines, including the humanities, social sciences, business and policy studies, arts and natural sciences.

**Degrees Offered.** The Bachelor of Arts is offered in environmental studies.

**Major Requirements.** Environmental studies is required to be a double major, meaning that students must have a disciplinary academic major in addition to environmental studies. To satisfy the environmental studies major, students must take at least eight courses according to the following requirements:

- **Introduction.** All students must take ENVS 101: Environmental Science, Policy and Thought—Introduction to Environmental Studies.
- **Environmental Studies Courses.** Students must take six courses in environmental studies. These courses are split into four courses that explore an area other than the student’s disciplinary major and two that complement the disciplinary major. For students whose disciplinary major is not in the natural sciences (i.e. biology, geology, chemistry and physics), four courses must be in environmental science. Students whose major is in the natural sciences must take four environmental policy and thought courses. These non-science courses must be from at least two different disciplines.

## Environmental Studies

- **Depth Requirement.** Of the 4-2 split described above, half of the courses (two of the four and one of the two) must be 300-level or above.
- **Interdisciplinary Requirement.**

Students may not count courses taken in the same department as their disciplinary major for environmental studies credit.

- **Capstone** Students must take an approved IDS to serve as a capstone experience in the major. To ensure interdisciplinary participation, we will solicit these IDS courses from all divisions of the college.

The following courses are currently approved as environmental studies courses. Other courses will be added as they are developed and taught, and non-approved courses may be petitioned to count for environmental studies in some cases.

### Environmental Science Courses

- BIOL 114: General Zoology
- BIOL 115: General Botany
- BIOL 212: Environmental Science
- BIOL 324: Plant Biogeography
- BIOL 333: Ichthyology
- BIOL 334: Animal Behavior
- BIOL 335: Vertebrate Field Zoology
- BIOL 336: Ornithology
- BIOL 438: General Ecology
- GEOL 250: Climate and History
- GEOL 121: Geology and the Environment
- GEOL 180: Energy and Natural Resources
- GEOL 223: Hydrology
- GEOL 250: Planet Earth

- GEOL 416: Sedimentology and Stratigraphy
- GEOL 424: Exploration Geophysics
- CHEM 111: Chemical Principles I
- MATH 112: Elementary Statistics

### Environmental Policy and Thought

- ECON 222: Microeconomics
- ECON 344: Environmental and Resource Economics
- ENG 225: American Literature Survey I
- PHIL 246: Environmental Ethics
- PSCI 325: Politics, Law and the Environment
- PSCI 420: Solving Global Environment Problems
- PSY 344: Environmental Psychology
- REL 120: American Nature Writing
- REL 203: Buddhism, Ecology and Society
- REL 206: Chinese Religions and Ecology
- REL 312: Humanistic Ecology
- REL 314: Religion, Aesthetics and Nature in China
- SOAN 346: Mediation and Conflict Intervention

Internships and independent study can be used to satisfy any of the environmental studies courses with approval from the coordinators.

For the capstone course, the following IDS courses will be offered in the near future:

- IDS 401: Antarctica
- IDS 406: Religion, Literature and Nature in Japan
- IDS 412: Nature, Culture and Religion
- IDS 437 Barrier Islands

## FOREIGN LANGUAGES

*David J. Limburg, associate professor of  
German, chair*

*Sylvia Trelles, associate professor of Spanish*

*Stephanie A. Drozdo-Jones, assistant professor  
of Spanish*

*Hiroko Hirakawa, assistant professor  
of Japanese*

*Aaron R. Prevots, assistant professor of French*

**ENVS 101 Environmental Science, Policy, and Thought: Introduction to Environmental Studies. 4.** An introductory course to the interdisciplinary approach as it relates to environmental studies. Intended to introduce students to a broad array of environmental issues and conflicts; case study, problem-solving approach.

### **ENVS 290 Internship. 1-4.**

Recommended for all majors. College requirements apply. Details to be arranged between a student and a faculty member; schedules and nature of the work to be accomplished at the discretion of the instructor. May also be offered at the 390 level.

**ENVS 450 Special Topics. 4.** May also be offered at 250 and 350 levels.

### **ENVS 460 Independent Study. 1-4.**

May also be offered at 260 and 360 levels. Independent student projects are dependent upon the student's initiative in shaping the terms of investigation. The supervising instructor and the coordinator of environmental studies must approve a proposal describing the project.

### **ENVS 470 Senior Thesis. 4.**

Recommended for all students planning to attend graduate school. A written senior thesis may be undertaken as a separate project or as the culmination of independent study; the senior thesis must represent serious research and independent thought.

### **ENVS 490 Departmental Honors. 4-8.**

For seniors with a 3.50 grade-point average, students may complete a senior's thesis and obtain program honors at graduation.

Guilford's Quaker heritage has assured a continuing interest in the study of language as an instrument of international understanding. Courses are offered in French, German, Japanese and Spanish.

Entering students take a placement test upon arrival to determine their level in a previously studied language. Students may place out of the one semester (101) foreign language requirement by taking that placement exam. Students who do not take the placement exam will be required to complete one semester of language 101. Students who place out of the foreign language requirement and wish to continue with their studies of a language will be placed in the appropriate level course according to the placement exam score. Intermediate (201-202) level (or equivalent experience) is a normal prerequisite for higher-numbered courses.

**Degrees Offered.** The Bachelor of Arts degree is offered in French, German, German studies and Spanish.

**Major Requirements.** The department offers majors in French, German, German Studies and Spanish. A major consists of eight courses (32 credits) numbered above 102 and must include at least one 400 course. For a French or Spanish major, 220 must be included among the eight required

## Foreign Languages

courses. Students may do a Senior Thesis (470) or Departmental Honors (490) on a topic approved by the department. This will be counted as one of the eight courses, but will not replace the required 400-level course. Students planning to attend graduate school are urged to choose the senior thesis. French and Spanish courses in translation do not count towards the major.

A German studies major requires participation in the Munich semester program. Students can count up to three courses taught in English toward the major and must also take at least five courses taught in German and selected from the German major curriculum.

Double majors in either French or Spanish and Education studies, as well as K-12 licensure in these languages, are also offered. Students pursuing these double majors have the same requirements within the foreign languages department as do other majors. The option of doing a senior thesis is not advisable for this double major. Students interested in pursuing a teaching career in German may do so by completing the requirements for a German major at Guilford, a concentration in education studies and then acquiring certification at a graduate institution.

**Course prerequisites.** Except for courses in translation, a student is required to complete a 200-level course, its equivalent or to obtain permission from the instructor before enrolling in a 300-level course. Further, students must complete at least one 300-level course before taking a 400-level course. We recommend that students of French and Spanish take 220 before taking a 300- or 400-level course.

Spanish majors must take at least one course from the Spanish peninsular area and one from Latin America. All majors must meet proficiency requirements.

All majors are expected to study abroad with an appropriate Guilford program before graduating. Approval of the department is necessary to either waive this requirement or to participate in another program abroad. Guilford currently offers semester programs in Beijing, Brunnenburg, Guadalajara, London, Munich, Paris, Rennes and Japan, for which the appropriate language is either required or recommended.

Foreign language majors should choose a related field in order to consolidate and complement their major field of study or to enhance career opportunities. Majors in many other disciplines will find a concentration in a foreign language (four courses at the intermediate level and above) of immense value in the pursuit of a career.

**Assessment.** The department will:

- Re-administer the placement test as part of the final exam in 101, 102, and 201 for two purposes, to evaluate the accuracy of cutoff points of the placement tests and to assess students.
- At the 200 level, give a language proficiency exam at the end of the semester. This exam will consist of both grammar and text explication components. Students not meeting the basic qualifications of the test will have to retake the test, at the latest, before taking a 400-level course, if they want to be language majors.
- In the final 400-level course, give the graduating seniors an exam to assess both language proficiency and cultural knowledge. This exam will take the

form of a semester-long project that will be started earlier in the semester and will be presented in class at the end of the semester. In this project, students must

- 1) identify the recurring themes in the major courses they have taken,
  - 2) select one of the identified themes, and
  - 3) explicate in the target language the theme's importance within cultural, historical and literary contexts. (Non-graduating students in the course will have another project).
- Give an evaluation to graduating seniors in their final 400-level course. The students must submit the evaluations together with their final projects.

## French (FREN)

### 101 Communicating in French I.

4. Basic building blocks of grammar, emphasis on oral communication and culture. Culture/laboratory day required. Fulfills language requirement. Fall.

### 102 Communicating in French II.

4. Continuation of French I with more emphasis on grammar and developing writing skills. Emphasis still on oral communication and culture. Culture/laboratory day required. Prerequisite: FREN 101 or placement. Spring.

### 201 Intermediate French. 4.

Introduction of more advanced aspects of French grammar and vocabulary in addition to continued speaking and comprehension, as well as increased emphasis on reading and writing in French. Prerequisite: FREN 102 or placement. Fall.

### 220 Introduction to Literary and Cultural Analysis. 4.

An introduction to important literary and cultural texts and to the tools required to understand and discuss them. This course enables students to engage more sophisticated texts and cultural artifacts from different discourses, periods and cultures and is the prerequisite of all 300-level courses. Required of all majors. Spring.

**290 Internship, 1-4.** May also be offered at the 390 level.

**310 Contemporary France. 4.** Study of the institutions and society of France today, with an emphasis on developing the vocabulary and cultural context required to understand the mass media: television, radio, press and the Internet. Prerequisite: FREN 220. Alternate years.

### 311 The Francophone World. 4.

Study of significant literatures and cultures of the French-speaking world, with particular emphasis on Africa and the Caribbean. Fulfills humanities and intercultural requirements. Prerequisite: FREN 220. Alternate years.

### 320 Culture and Society: The Origins to the Renaissance. 4.

In-depth examination of the culture, literature, and history of France in the Middle Ages and Renaissance. Fulfills humanities requirement. Prerequisite: FREN 220. Alternate years.

### 321 Culture and Society: The Age of Absolutism. 4.

Examination of the culture, literature, and historical contexts of classicism, from the end of the Renaissance to the early 18<sup>th</sup> century. Fulfills humanities requirement. Prerequisite: FREN 220. Alternate years.

## Foreign Languages

**322 Culture and Society: 1750-1900. 4.** Examination of the culture, literature and historical contexts of the rupture with absolutism and its cultural equivalent, classicism. Emphasis on the democratic and individualistic ideas of the Enlightenment and their relationship to later political, literary and artistic revolutions. Fulfills humanities requirement. Prerequisite: FREN 220. Alternate years.

**323 Culture and Society: The Twentieth Century. 4.** Exploration of the cultural landscape of 20<sup>th</sup>-century France, with special emphasis on the years 1900-1968. Fulfills humanities requirement. Prerequisite: FREN 220. Alternate years.

**400 Senior Seminar. 4.** Topic of this capstone for majors will vary, but will focus on important questions in French studies. Students will explore more advanced approaches to culture and literature and conduct research on a final paper. Required of majors. Fulfills humanities requirement. Prerequisites: FREN 220 and a 300-level course. Spring.

**450 Special Topics. 4.** May also be offered at 250 and 350 levels.

**460 Independent Study. 1-4.** May also be offered at 260 and 360 levels.

**470 Senior Thesis. 4.**

**490 Departmental Honors.**

## German (GERM)

**101 Communicating in German I. 4.** Basic building blocks of grammar, emphasis on oral communication and culture. Culture/laboratory day required. Fulfills language requirement. Fall, also taught in Munich.

**102 Communicating in German II. 4.** Continuation of German I with more emphasis on grammar and developing writing skills. Emphasis still on oral communication and culture. Culture/laboratory day required. Prerequisite: GERM 101 or placement. Spring.

**201 Intermediate German I. 4.** Review of basic structures and introduction of more advanced aspects of grammar and vocabulary. Increased emphasis on conversation, reading and writing skills. Prerequisite: GERM 102 or placement. Fall, also taught in Munich.

**202 Intermediate German II. 4.** Continuation of German 201. Increased emphasis on discussion skills. Students read and discuss two youth novels. Prerequisite: GERM 201 or placement. Spring.

**290 Internship, 1-4.** May also be offered at the 390 level.

**310 Contemporary German Culture. 4.** Analysis and discussion of literary and cultural texts and films from 1945 to the present. Further development of writing skills. Prerequisite: GERM 202 or placement. Fall, every third year.

**311 German Youth Culture. 4.** Analysis and discussion of youth literature, as well as journalism and film aimed at German youth. As an end project, students

interview native German speakers in Greensboro about their youth in a German-speaking country. Fulfills humanities requirement. Prerequisite: GERM 202 or placement. Fall, every third year.

### **312 German Composition. 4.**

Advanced grammar work and writing practice, with increased attention to complexity and style. Prerequisite: GERM 202 or placement. Fall, taught in Munich.

### **320 Culture and Society: The**

**Weimar Republic. 4.** Analysis and discussion of German films and dramas of the Weimar Republic, as well as short texts of cultural, political and historical relevance. Fulfills humanities requirement. Prerequisite: GERM 202 or placement. Fall, every third year.

**400 Seminar. 4.** Students will explore more advanced approaches to culture and literature, and conduct research on a final paper. The seminar will focus on pre-19th-century, 19<sup>th</sup>-century, and 20<sup>th</sup>-century/contemporary material in a three-year sequence. Required of majors. Fulfills humanities requirement. Prerequisite: GERM 300-level or placement. Spring; repeatable.

**450 Special Topics. 4.** May also be offered at 250 and 350 levels.

**460 Independent Study. 1-4.** May also be offered at 260 and 360 levels.

**470 Senior Thesis. 4.**

**490 Departmental Honors.**

## **German Studies Major**

(courses offered in Munich; taught in English)

**Political Science 250. Politics and Culture of Bavaria. 4.**

**History 450. History of Modern Germany. 4.**

**Art 450. Art History. 4.**

## **Japanese (JAPN)**

### **101 Communicating in Japanese I.**

**4.** Basic building blocks of grammar, emphasis on oral communication and culture. Culture/laboratory day required. Fulfills language requirement.

### **102 Communicating in Japanese**

**II. 4.** Continuation of Japanese I with more emphasis on grammar and developing writing skills. Emphasis still on oral communication and culture. Culture/laboratory day required. Prerequisite: JAPN 101 or placement.

**290 Internship, 1-4.** May also be offered at the 390 level.

### **201 Intermediate Japanese I. 4.**

Advanced grammar study, conversation practice and increased emphasis on reading and writing. Prerequisite: JAPN 102 or permission of instructor.

### **202 Intermediate Japanese II. 4.**

Continuation of JAPN 201.

### **220 Women in Modern Japan. 4.**

Examines the lives of Japanese women within the contexts of such social institutions as education, marriage, family,

## Foreign Languages

work and mass media. Fulfills humanities and intercultural requirements. Taught in English.

**221 Contemporary Japanese Society. 4.** Interdisciplinary course examines popular American attitudes toward Japan and social construction of national identity in contemporary Japan (as well as challenges to this identity). Studies social conditions, popular culture, and racial and ethnic minorities in Japan. Fulfills humanities and intercultural requirements. Taught in English.

**310 Media, Gender, and Nation in Japan. 4.** Examines the roles of mass media in the construction of gendered national identity in Japan.

**450 Special Topics. 4.** May also be offered at 250 and 350 levels.

**460 Independent Study. 1-4.** May also be offered at 260 and 360 levels.

## Spanish (SPAN)

**101 Communicating in Spanish I. 4.** Basic building blocks of grammar, emphasis on oral communication and culture. Culture/laboratory day required. Fulfills language requirement.

**102 Communicating in Spanish II. 4.** Continuation of Spanish I with more emphasis on grammar and developing writing skills. Emphasis still on oral communication and culture. Culture/laboratory day required. Prerequisite: SPAN 101 or placement.

**111 Spanish in the Workplace. 4.** Basic building blocks of grammar, emphasis on oral communication and

culture. Special emphasis on vocabulary for the workplace. For CCE students only. Fulfills language requirement.

**201 Intermediate Spanish. 4.** Introduction of more advanced aspects of Spanish grammar and vocabulary in addition to continued speaking and comprehension, increased emphasis on reading and writing in Spanish using culture-oriented material. Prerequisite: SPAN 102 or placement.

**202 Intermediate Conversation and Composition. 4.** Thorough review of Spanish grammar as needed, intensive work on oral and written expression on a variety of topics and exposure to a wide range of cultural “texts” (from traditional literature to more recent media). Prerequisite: SPAN 201 or permission of instructor.

**220 Introduction to Literary and Cultural Analysis. 4.** An introduction to important literary and cultural texts and to the tools required to understand and discuss them. Study of grammar at an advanced level. This course enables students to engage more sophisticated texts and cultural artifacts from different discourses, periods and cultures, and is the prerequisite for all 300-level courses. Required of majors. Spring.

**290 Internship, 1-4.** May also be offered at the 390 level.

**310 Contemporary Latin America. 4.** A survey of the political turmoil endured by the different nations and their awakening toward the self-realization of a cultural entity. Study of the integrative importance of historical roots, arts, and

daily life. Fulfills intercultural requirement. Prerequisite: SPAN 220. Alternate years.

### **311 Contemporary Spain. 4.**

Exploration of society and culture of Spain from the 1960s to the present with a special emphasis on political changes and their repercussions on the economy, international relations, literature, the arts and daily life. Prerequisite: SPAN 220. Alternate years.

### **320 Culture and Society: Mexico, Central America and Caribbean.**

**4.** Examination of the literature and culture against a historical background from the colonial period, with an emphasis on the 20<sup>th</sup> century. Fulfills humanities and intercultural requirements. Prerequisite: SPAN 220. Alternate years.

### **321 Culture and Society: Golden Age of Spain. 4.**

Examination of the culture, literature and historical contexts of the 16<sup>th</sup> and 17<sup>th</sup> centuries in Spain. Fulfills humanities and intercultural requirements. Prerequisite: SPAN 220. Alternate years.

### **322 Culture and Society: South America. 4.**

Examination of the literature and culture against a historical background from the colonial period, with an emphasis on the 20<sup>th</sup> century. Fulfills humanities and intercultural requirements. Prerequisite: SPAN 220. Alternate years.

### **323 Culture and Society: Beginnings of a Nation (The Integration of Three Cultures). 4.**

Examination of the culture, literature and historical contexts of Medieval Spain with an emphasis on the contributions of Jews, Christians and Moslems. Fulfills humanities requirement. Prerequisite: SPAN 220. Alternate years.

### **340 Film, Life, and Literature of Latin America (IDS 447). 4.**

A view of Latin American culture, society and contemporary issues through film and literature. Taught in English for IDS 401 credit. For Spanish credit, class meets one extra time and all work is done in Spanish.

### **341 Contemporary Spain: Spain Comes of Age (IDS 448). 4.**

Background information on the Franco period and a closer study of the changes during the post-Franco era with an emphasis on contemporary Spain. We will look at its institutions, society and relations with the European Community, the United States and other nations, as well as culture and literature. Taught in English for IDS 401 credit. For Spanish credit, class meets one extra time and all work is done in Spanish.

### **342 Latino Culture in the United States (IDS 449). 4.**

A study of the different hispanic cultures in the US through literature, essays and film with special emphasis on the image of self as “other,” exile, bi-culturalism, bi-lingualism and the fusion of cultures. Taught in English for IDS 401 credit. For Spanish credit, class meets one extra time and all work is done in Spanish. Fulfills intercultural requirement.

### **402 Senior Seminar: Latin America. 4.**

Students will explore more advanced approaches to culture and literature and conduct research on a final paper. Possible topics: Women Writers of Latin America, The Latin American Novel. Prerequisite: SPAN 220 and a 300-level course. Fulfills humanities and intercultural requirements.

## General Studies

**403 Senior Seminar: Spain. 4.** Students will explore more advanced approaches to culture and literature and conduct research on a final paper. Possible topics: Social and Cultural Impact of the Spanish Civil War, Women in Spanish Literature and Film. Prerequisite: SPAN 220 and a 300-level course. Fulfills humanities requirement.

**450 Special Topics. 4.** May also be offered at 250 levels.

**460 Independent Study. 1-4.** May also be offered at 260 and levels.

**470 Senior Thesis. 4.**

**490 Departmental Honors.**

## GENERAL STUDIES (GST)

**101 Adult Transitions. 4.** For CCE students in only their first term at Guilford. The central focus of the course is to come to terms with problems as well as prospects involved in life changes. Reading autobiographies and writing autobiographical essays are a major means of working with these adult transitions. The course also includes the teaching of academic skills as needed and journaling. Fulfills FYE 101 requirement.

**105 Quaker Social Testimonies and Spiritual Roots. 2.** Introductory seminar for Quaker studies concentration.

**110 Quantitative Literacy. 2.** This course covers quantitative reasoning and provides a general overview of quantitative

methods, applied arithmetic, geometry and graphics and algebra. Enrollment is limited to students who have not satisfied the quantitative literacy requirement. CR/NC. Fulfills quantitative literacy requirement.

**115 Public Presentation (THEA 120). 4.** Techniques for effective communication in the public context. Strategies for the organization of ideas as well as the development of the speaker's vocal and physical presence. Problems of research, composition and style.

**120 Learning Strategies. 1.** This course will focus on such topics as grade-point-average management, time management, learning style inventories, evaluation of learning skills and reading skills, staging the writing process, effective and efficient ways to memorize, taking notes, studying for tests and taking responsibility for one's own education.

**121 Mentor Program. 1.** This course assists first-year and transfer students in their adjustment to college life and provides each with a mentor for the first semester. Topics include, among others: management of time and stress, building relationships, preparing for exams, diversity and selecting a major. CR/NC

**225 Medieval People. 1.** This course meets six times each semester. It is intended to provide a meeting of those interested in medieval studies in general, or in the medieval/early modern studies concentration specifically. Various topics, usually featuring important medieval people, are discussed by a number of different faculty members and others.

**255 Career and Life Planning. 1.**

Examines career development through the life span, specifically focusing on the period of time between the beginning of college and entry into the work force. Topics include self-exploration, decision-making, the interrelationships between life roles and career choice, researching career possibilities, resumé writing, interviewing skills and managing career and life transitions.

Through a variety of learning approaches, students will actively facilitate their own and their classmates' career development. CR/NC.

**290 Internship, 1-4.** May also be offered at the 390 level.

**450 Special Topics. 4.** May also be offered at the 250 and 350 levels.

**460 Independent Study. 1-4.** May also be offered at 260 and 360 levels.

## GEOLOGY AND EARTH SCIENCES (GEOL)

*Marlene L. McCauley, professor, chair*

*Charles C. Almy Jr., professor*

*David M. Dobson, assistant professor*

Geology, the study of the earth, is a firsthand experience at Guilford. Students are involved in hands-on field experiences in new problems, in laboratory work where answers are not known beforehand and in undergraduate research, which is presented to regional professional societies or to national conferences on undergraduate research. The program is centered on a core of courses that establish a firm academic foundation in geology as a science. In turn,

this foundation serves as a springboard to graduate study, professional geology, teaching, art, environmental science, creative writing, law, resource management and geography. Such goals can be realized by working in programs now available at Guilford or accessible through consortium arrangements with other colleges and universities in Greensboro.

**Degrees Offered.** The geology and earth sciences major is offered for either the Bachelor of Arts degree or the Bachelor of Science degree. This major is for students with a professional interest in geology and earth sciences, either:

- **Track 1**, in combination with another field or in pursuit of an advanced degree in another field, OR
- **Track 2**, for graduate work leading to an advanced degree in geology and earth sciences.

The earth studies major permits greater freedom in choosing a broad range of introductory science courses for those interested in working with the natural system in relation to other disciplines (e.g., law, writing, art, social sciences, teaching, museum science, writing in the natural sciences).

### **Bachelor of Arts Degree in Geology and Earth Sciences.**

A graduate from this degree track will find employment in cross-disciplinary fields where a strong science background is critical, but geology is not the primary focus of the work. As a geologist, the graduate would serve as a geologic technician in the laboratory or the field. The graduate would be a much stronger teacher or environmental worker than the graduate from the earth studies major, but breadth in other disciplines may be compromised. As for graduate studies, the graduate

## Geology and Earth Sciences

would be admitted to master's studies provisionally, with a deficiency in mathematics, possibly physics and geology.

### Requirements:

- GEOL 121: Geology and the Environment
- GEOL 122: Historical Geology
- GEOL 211: Earth Materials (Prerequisite: CHEM 111)
- GEOL 212: Earth Materials: Optical Mineralogy and Petrology (Prerequisite: CHEM 112)
- GEOL 335: The Structure of the Earth
- GEOL 415: Paleontology
- Two science electives, any two science courses, except the related field courses listed below

Related Field Courses (included within the major):

- CHEM 111 and 112
- Two courses in mathematics above 110
- PHYS 121-122 or PHYS 211-212.

**Bachelor of Science Degree in Geology and Earth Sciences.** The second track is designed for students who intend to pursue graduate study in the earth sciences—geology, environmental science, geography, oceanography, paleontology, hydrology, geophysics, etc. This track requires the full suite of courses expected by the profession for technical work and for graduate study.

### Requirements

- GEOL 121: Geology and the Environment
- GEOL 122: Historical Geology
- GEOL 211: Earth Materials (Prerequisite: CHEM 111)

- GEOL 212: Earth Materials: Optical Mineralogy and Petrology (Prerequisite: CHEM 112)
- GEOL 335: The Structure of the Earth
- GEOL 415: Paleontology
- Two laboratory science electives, except the related field courses
- GEOL 240 (BIOL 240): Seminar West or a summer geological field camp in an approved program (6 weeks intensive field study)

Related Field Courses (included within the major):

- CHEM 111 and 112
- MATH 121-122 (Calculus)
- PHYS 211-212 or 121-122

**Bachelor of Arts Degree in Earth Studies.** This sequence of courses provides adequate depth in the science while also providing flexibility with fewer skills in mathematics. Thus, students may combine the major with other fields of study, especially education studies, other sciences, social sciences, pre-law, business and writing—all pathways already pursued successfully by students at Guilford.

### Requirements:

- GEOL 121: Geology and the Environment
- GEOL 122: Historical Geology
- GEOL 211: Earth Materials (Prerequisite: CHEM 111)
- GEOL 335: The Structure of the Earth
- GEOL 415: Paleontology
- Laboratory Science Elective: any Laboratory Science, other than CHEM 111-112

Related Field courses (included within the major):

- CHEM 111 and 112

**105 Introduction to Computer Programming (CMIT 100). 4.**

Exploration of computer programming with emphasis on scientific, educational and entertainment applications. Topics include programming fundamentals, user interaction, graphics display, data processing, problem solving and artificial intelligence. Prior programming experience not required.

**121 Geology and the**

**Environment. 4.** Materials of the earth and processes acting on them, both at the surface and within: nature of continents and oceans, plate tectonics, erosion and weathering, rocks and minerals, mapping; consideration of the earth as a physicochemical system and the human's part in that system. Fulfills natural science and social justice/environmental responsibility requirements. Offered yearly in fall.

**122 Historical Geology. 4.** Historical account of discovery of geologic time and development of the theory of evolution; origin and development of the earth; geologic history of North America—both life and lands. Emphasis in laboratory on interpretation of earth history and applications of methods in making such interpretations through use of the Quaker Quadrangle. Fulfills natural science requirement. Offered yearly in spring.

**141 Marine Geology. 4.** Formation of the earth and oceans; shape and composition of the ocean floor; plate tectonics. Waves and tides, seawater chemistry, climate and the ocean's interaction with the atmosphere. Fulfills social justice/environmental responsibility requirement.

**160 Gems and Minerals. 4.**

Introduction to minerals and gemstones. Includes basic crystallography and crystal chemistry; physical and optical properties of minerals.

**170 Life in the Past. 4.** An

introduction for non-science majors to the fossil record and the contributions that fossils have made to our understanding of the history of life on earth. Topics covered include the use of fossils in the measurement of geologic time, the reconstruction of the earth's ancient environments and ecological systems and consideration of biological evolution.

**180 Energy and Natural**

**Resources. 4.** Analysis of problems posed by interaction of conventional economic growth with limited natural resources; evaluation of potential contribution of various alternative energy sources to the national and world energy budget; review of distribution and abundance of mineral resources.

**211 Earth Materials. 4.** Introduction

to mineralogy and petrology, with an emphasis on geochemical cycles. Includes basic crystallography and crystal chemistry, rock-forming minerals, rock and mineral formation and associations and rock and mineral identification in hand specimen. Alternate years in fall. Prerequisite: CHEM 111 (may be taken concurrently with instructor permission).

**212 Earth Materials: Optical Mineralogy and Petrology. 4.** Study

of igneous and metamorphic rocks: principles of classification, occurrence, phase equilibria, tectonic environments and origin/formation of rocks are emphasized in lectures. Labs emphasize description,

## Geology and Earth Sciences

classification and interpretation of textures and mineralogy in hand sample and in thin section. Alternate years in spring. Prerequisite: GEOL 211, CHEM 112 (may be taken concurrently with instructor permission).

**223 Hydrology. 4.** Precipitation, interception and runoff measurements and analysis; stream flow and features, stream flow monitoring and data analysis; floodplain mapping; water supply analysis; groundwater geology and flow, groundwater prospecting; well design and analysis; water supply and water quality problems. Prerequisite: GEOL 121 or permission of instructor, and an understanding of algebra and trigonometry. Alternate years.

**235 Crust of the Earth. 4.** An historical approach to the development of plate tectonic theory. Includes such topics as isostasy, continental drift, polar wandering, magnetic reversals, paleomagnetism, mountain building, causes of earthquakes and volcanoes and the evolution of continents and ocean basins.

**240 Seminar West (BIOL 240). 4.** Five-week summer course, including four weeks of camping and hiking, to study the American West. Emphasis on geologic processes of mountain building and erosion and their impact on humans—history, prehistory, environment, literature and art. Fulfills natural science and social justice/environmental responsibility requirements. Generally in alternate years.

**242 Natural Science Seminars (BIOL 242). 4.** Studies of the geology, ecology and natural history of different field areas, including North Carolina,

Puerto Rico and Cumberland Island National Seashore in Georgia. Includes a week-long trip to the field area during fall or spring break as the laboratory portion of the course, during which students will conduct research projects. May be repeated with different content. Fulfills natural science and social justice/environmental responsibility requirements. Generally in alternate years.

**290 Internship, 1-4.** May also be offered at the 390 level.

**312 Advanced Igneous and Metamorphic Petrology. 4.** Advanced study of igneous and metamorphic rocks. Emphasis on processes of formation, tectonic environments and geochemical aspects of analysis and interpretation; labs emphasize study of rocks in thin section. Prerequisite: GEOL 212. Offered on demand.

**335 The Structure of the Earth. 4.** Study of the deformation of rocks of the earth's crust: descriptive and theoretical treatment of folding, faulting, jointing, unconformities, diapirs, plutons and the structural features found in igneous, metamorphic and sedimentary rocks; introduction to geophysical methods; discussions of problems in global tectonics, such as mountain-building and continental drift. Offered in alternate years in spring. Prerequisites: two laboratory courses in geology, competence in trigonometry (or MATH 115) or consent of the instructor.

**336 Geomorphology. 4.** Study of landforms and the processes involved in their formation, especially the investigation of fluvial and arid geomorphic cycles,

coastline development and theories of landscape evolution. Prerequisites: GEOL 121 and one other geology laboratory course or consent of the instructor. Offered on demand.

**340 Images of the Earth. 4.** Focuses on various ways to classify, represent and visualize the Earth's surface. Interpretation, creation and use of maps, aerial photographs and satellite images. Exploration, construction and use of geographic information systems (GIS) and other computer-based methods to create maps and visualize data. Application of knowledge and techniques to issues such as ecosystem management, environmental assessment, urban planning, geologic mapping, global change and archaeology.

**412 Geochemistry. 4.** Distribution, movement and processes affecting chemical elements within the earth. Nuclear chemistry, formation of earth and planets; crystal chemistry and mineral structures; isotope geology, trace elements, thermodynamics in geology. No laboratory. Prerequisites: CHEM 111, three semesters of laboratory courses in geology or consent of the instructor.

**415 Paleontology. 4.** Study of fossils with major emphasis on invertebrates: classification and identification, principles of evolution and paleoecology; application of paleontology to geologic problems, especially its use in stratigraphic studies. Offered in alternate years in fall. Prerequisites: GEOL 122 and another course in geology and/or biology and/or chemistry or consent of the instructor.

**416 Sedimentology and Stratigraphy. 4.** Advanced study of sedimentary rocks. Emphasis on

sedimentary processes, grain size analysis, sedimentary structures and sedimentary petrography; the description, classification, correlation and interpretation of sedimentary rocks; principles of stratigraphic nomenclature; interpretation of tectonic conditions, depositional environments and paleogeography; advanced historical geology. Prerequisites: four semesters of laboratory courses in geology or related science or consent of the instructor. Offered in alternate years in spring.

**424 Exploration Geophysics. 4.** Study of the physical properties of the earth's crust and sedimentary cover, primarily through firsthand experience. Hands-on experience with those geophysical parameters and tools that are used to study the earth indirectly from the core of the course: the well log (resistivity, self-potential, density and sonic logs), seismic reflection, seismic refraction, gravity and magnetic methods. Prerequisites: two semesters of laboratory studies in geology and/or physics and a strong mathematical background at the level of algebra and trigonometry or permission of instructor. Alternate years.

**450 Special Topics. 2-4.** Recent topics include geographical information systems and remote sensing, reefs of Puerto Rico, environmental history of China, climate and history, earth systems science, GIS and image processing and soil science. May also be offered at 250 and 350 levels.

**460 Independent Study. 1-4.** Independent and directed research, including field and laboratory experience. May also be offered at 260 and 360 levels.

## Health Sciences

**470 Senior Thesis.** Credit variable. Independent research project begun at end of junior year. See department for details.

**490 Departmental Honors. 4-8.**

## HEALTH SCIENCES

*Contact: Anne G. Glenn, associate professor of chemistry; chair, health professions advisory committee*

The health sciences major is designed for students who wish to pursue graduate study in the health professions, which include medicine, dentistry or veterinary medicine or one of the allied health professions, such as physician assistant, pharmacy, physical therapy, occupational therapy or athletic training. The health sciences major provides a coherent program that allows students to develop an understanding of the interdisciplinary nature of the health professions.

**Degrees Offered.** The Bachelor of Science degree will be offered in health sciences

**Major Requirements.** Health sciences is an interdisciplinary major, and a second disciplinary major is required. A student must have an adviser from the health professions advisory committee as well as an adviser from the second major.

### **Specific Course Requirements.**

Courses for the health sciences major come from disciplines in a variety of areas of study, including the natural sciences and mathematics, sports studies and the social sciences. The major consists of at least

eight courses chosen from the list below, one of which must be the internship seminar, taken in the spring of the junior or senior year. The internship seminar acts as a capstone to the major and gives the student an opportunity to gain the real-world experience necessary for a career in any of the health care fields.

Because health sciences is an interdisciplinary major, students must select courses from at least two departments. In addition, at least four of the courses must be at the 200 level or above. Students must work closely with a health professions adviser to make sure they select the necessary courses to prepare for the graduate program they desire, as well as those courses that are complementary to their disciplinary major.

### **Courses for the Major.**

#### Health Sciences

- HSCI 485: Internship Seminar

#### Biology

- BIOL 114: General Zoology
- BIOL 313: Cell Biology
- BIOL 341: Human Anatomy and Physiology I
- BIOL 342: Human Anatomy and Physiology II
- BIOL 433: Microbiology
- BIOL 434: Biochemistry
- BIOL 443: Genetics

#### Chemistry

- CHEM 111: Chemical Principles I
- CHEM 112: Chemical Principles II
- CHEM 231: Organic Chemistry I
- CHEM 232: Organic Chemistry II
- CHEM 430: Medicinal Chemistry
- CHEM 434: Biochemistry

## Mathematics

- MATH 112: Elementary Statistics
- MATH 121: Calculus I
- MATH 122: Calculus II

## Physics

- PHYS 121: Classical and Modern Physics I
- PHYS 122: Classical and Modern Physics II
- PHYS 211: College Physics I
- PHYS 212: College Physics II

## Psychology

- PSY 100: General Psychology
- PSY 224: Developmental Psychology
- PSY 340: Psychobiology
- PSY 342: Abnormal Psychology
- PSY 343: Sensory Systems
- PSY 345: Health Psychology

## Sports Studies

- SPST 210: Introduction to Athletic Injury and Illness
- SPST 212: Perspectives in Nutrition
- SPST 241: Motor Learning
- SPST 211: Health and Wellness Perspectives
- SPST 245: Emergency Procedures in Athletic Training
- SPST 311: Exercise Physiology
- SPST 312: Kinesiology
- SPST 340: Psychology of Sport and Exercise
- SPST 372: Therapeutic Modalities
- SPST 373: Physical Examination and Assessment
- SPST 473: Rehabilitation of Orthopedic Injury

**HSCI 485 Internship Seminar. 1-5.**

The internship seminar allows students

majoring in the health sciences to reflect on their internship experience as well as learn from current professionals in many health-related fields. Students will have an opportunity to discuss current challenges in health care, such as managed care, care of diverse populations, medical ethics and other issues. In addition, the application process for graduate study in the health professions will be discussed. This seminar may not be taken before the junior year.

**HISTORY (HIST)**

*Sarah S. Malino, professor, chair*  
*Martha H. Cooley, Dana professor of history*  
*Dorothy V. Borei, professor*  
*Adrienne M. Israel, professor*  
*Timothy Kircher, associate professor*  
*Jeffrey W. Vanke, assistant professor*

History is the study of the complex forces of the past that precipitate change in the human environment. These forces include ideas, political and economic developments and social and cultural conditions. Historical investigation demands logical thinking and critical analysis as well as imagination and intuition. Students of history learn to recognize the significance of the sequential nature of events and to bring order to apparently random facts. Historical knowledge fosters an appreciation of human diversity, a global perspective and a rich comprehension of the contemporary world and one's own experience.

The history major challenges students to understand the present by knowing its short- and long-term causes that have brought it into existence. All events, students learn, are the result of a complex

## History

interaction of forces. Students learn to differentiate between major and minor causes of events. This major is an excellent foundation for careers in teaching, research of all varieties, law, community service and business, among others.

**Degrees Offered.** The Bachelor of Arts degree is offered in history.

### Major Requirements.

- The major consists of 8 courses (32 credits). Six of these courses must be above the 100-level. An historical perspectives course taught by the history department faculty counts toward the major requirements.
- Students may choose an area of historical specialization, but those students beginning the major in 2000-01 must take at least one course in each of the following three geographical areas: United States, Europe, and non-Western (e.g. Asia, Africa, or Latin America). In addition they must take one course focusing on history before 1800 and one course focusing on history after 1800, in order to ensure a breadth of chronological knowledge.
- The capstone course for the major is 300WRT: Research Seminar. It is required of all students majoring in history and should be taken in the spring semester of the junior year. As preparation for this research, students beginning the major in 1999-2000 must take two courses at the 200 level prior to taking the 300WRT seminar. In addition, majors are required to deepen their knowledge of history with at least one other course at the 300 level.

- To develop their understanding of how historical knowledge relates to other academic disciplines, students may take one course taught by a faculty member outside the history department, provided that the course has been approved for the major by the department in advance.

History majors should select related courses in disciplines consistent with their career interests. Because of its interdisciplinary nature, history fits well with most disciplines and a carefully conceived curriculum can give the history major strength in pursuing very challenging career goals. For example, history majors intending to pursue graduate study or an international career should acquire a proficiency in one or more foreign languages. It is strongly recommended that pre-law students take courses in English history, accounting and logic. A related field in management or economics prepares a student for positions in business, applied history, management or governmental planning agencies.

Students seeking licensure to teach history and social studies in high school need to double-major in history and education studies. In addition, one course in economics and two courses in political science are required for the social studies licensure.

Students may “test out” of most basic courses and enroll in intermediate and advanced courses or independent study to satisfy the major requirements. Senior history majors with a 3.50 grade-point average in history are encouraged to write a thesis and to pursue departmental honors.

To encourage superior work in history, the department offers first-year and senior history awards every year, as well as the Algie I. Newlin and the Thomas

Thompson scholarships. In addition, the Daughters of American Colonists award a prize each year for the best student essay in U.S. history. The Algie I. and Eva M. Newlin lectures and the Rembert W. Patrick lectures bring recognized historians to campus to present scholarly papers. The department also inducts/qualifies students into the Guilford chapter of Phi Alpha Theta, the international history honor society.

**101 The Medieval Web. 4.** This course examines the development of the medieval idea of a “Christian Empire” from the time of Charlemagne to the mid-15th century. Through a close reading of contemporary texts of law, literature, religion and biography, students will explore such topics as the Papacy, Crusades, feudalism, scholasticism and medieval art. Fulfills humanities requirement; may fulfill historical perspectives requirement.

**102 The Web of Europe since 1400. 4.** This course investigates the genesis and movements of the modern period, from the Renaissance to the fall of the Iron Curtain. On the basis of contemporary documents, students will discuss such issues as nationalism, the Reformation, absolutism, religion in the Age of Reason, egalitarianism and totalitarianism. Fulfills humanities requirement; may fulfill historical perspectives requirement.

**103 U.S. Origins: From Pre-Colonial Times to 1877. 4.** This course begins by studying Native American cultures before European contact as well as emerging tensions as European populations migrated westward. Students

analyze why the colonists revolted against Britain, how the new democratic political institutions evolved, the complex role of African enslavement and how Reconstruction-era politics and reform traditions fostered a new industrialized nation state. Fulfills humanities and social justice/environmental responsibility requirements; may fulfill historical perspectives requirement.

**104 Modern Times: The U.S. from 1877 to the Present. 4.** This course analyzes how the United States became a mature industrialized consumer society, a haven for peoples from around the world, a welfare state and a global superpower. Studying both the benefits and costs of 20<sup>th</sup> century U.S. political and economic success enables students to understand some of the reasons why diverse social groups challenged the economic and political order. Fulfills humanities requirement; may fulfill historical perspectives requirement.

**150 Globalizing the World. 4.** Starts by examining how Europeans conquered much of the planet and then explores the nature of global interactions since 1500. Examines the expansion of European political and economic institutions as well as world responses to Western institutions and the development of new global institutions. Fulfills humanities requirement.

**222 North Carolina History. 4.** Examines political, economic and social change in North Carolina from the period of exploration to the present. Begins with the state’s Native American and colonial roots and follows through the establishing of the commonwealth, slavery, the Civil War and North Carolina’s reinvention as an

## History

industrial leader in the 20<sup>th</sup> century's "New South." Also explores the Civil Rights movement and contemporary changes in demographic character.

### **223 Women's Lives in U. S. History.**

**4.** This course analyzes how both ordinary women and those assuming leadership participated fully in shaping U.S. society from pre-colonial times to the present. Students examine how new economic opportunities, political rights, changing sexual patterns and social activism transformed women's lives in the 20<sup>th</sup> century. Fulfills humanities and diversity in the U.S. requirements.

### **225 African American History. 4.**

Examines major themes such as the African heritage, slavery, emancipation, Reconstruction, migrations, labor, criminal justice, black nationalism, the civil rights movement and current issues. Fulfills humanities and either diversity in the U.S. or social justice/environmental responsibility requirements.

### **233 Medieval Civilization:**

**Crusades and Chivalry. 4.** This course investigates medieval civilization through some of its most intriguing characters—crusaders, pilgrims and knights. We will explore the developments in medieval church and religion, issues of international law or human rights, religious and ethnic diversity, social class and privilege and the romance and ethics of knighthood and courtly love. Fulfills humanities requirement.

### **235 The Renaissance in Florence**

**(ART 235). 4.** The course discusses the history of Renaissance Florence, its economy, society, politics and culture, in relation to the other major Italian city-

states. A main theme of the course is how politics and religion combine during this time and find their expression in art and culture. Fulfills arts and humanities requirements.

### **236 Reformation: Luther to Fox. 4.**

The course is designed to introduce students to a basic understanding of events and ideas of the Reformation era in Europe, ca. 1517 to 1660. A focal point of our readings will be the reformers' view of the relation between political and ecclesiastical authority. Fulfills humanities requirement.

### **237 Europe in Revolution, 1789-**

**1918. 4.** A study of the main issues in 19<sup>th</sup>-century Western Europe— industrialization, shift from monarchy to constitutional government, growth of nationalism, socialism and imperialism— and their impact on Europe by the eve of the war in 1914. May fulfill historical perspectives requirement.

### **238 War and Peace: 20<sup>th</sup>-Century Europe, 1914-present. 4.**

This course compares different European countries and examines their relations with each other, in a very ideologically driven century. While the course emphasizes politics and diplomacy, peace and war and socio-economic developments, it will also consider the history of the arts, science and technology, women, the environment, business, religion, ideas, law, culture and biography. May fulfill historical perspectives requirement.

### **241 Africa Before 1800. 4.**

An overview of African history before European colonial rule, focusing on the Iron Age and related civilizations. Introduces the history of such ancient

kingdoms and empires as Tekrur, Mali and Songhai, Benin, Oyo and Asante, the Swahili coast, the Kongo and Zimbabwe. Also explores the impact of the European and Arab slave trades. Fulfills humanities and intercultural requirements.

**242 Africa Since 1800. 4.** A survey of Africa from the European colonial era to the emergence of African nationalism and modern times. Examines the impact of foreign rule on Africa's economic, social, cultural and political history. Focuses on the history of South Africa as a case study, exploring change in the southern region from both pan-African and global perspectives. Fulfills humanities and intercultural requirements.

**243 Africa in the Twentieth Century. 4.**

**255 The Second World War. 4.** This course examines the developments of the Second World War, and the war's impact on states, societies and international relations. It especially contrasts contingency in negotiations and on the battlefield on the one hand, with more inflexible causes in culture and economics on the other. Fulfills humanities requirement

**264 The Asian Pacific in Modern Times. 4.** Introduces the themes necessary to understand Asian countries today: cultural legacies, colonialism, the rise of nationalism and communism, war and revolution, as well as contemporary issues facing the region. Includes East Asian (China, Japan and Korea) and Southeast Asian (Vietnam, Cambodia, Philippines, Indonesia, Malaysia, Burma and Thailand) countries. Fulfills either intercultural or social justice/environmental responsibility requirement.

**266 Contemporary China in Film. 4.**

Examines the dynamic changes that have occurred in Chinese society since the death of Mao Zedong. Using Chinese feature films produced in the 1980s and 1990s, the course focuses on the relationship between art and politics in the People's Republic. Fulfills intercultural requirement.

**268 History of Chinese Women. 4.**

Traces the lives of Chinese women from the imperial age, when "for a woman to be without ability [was] a virtue," through a revolutionary era (1850-1950) which broadened women's options, to the socialist period, in which "women [were said to] hold up half the sky." For each of these three periods, the course examines the multiple factors that shaped women's experiences and the various ways women created a place for themselves. Fulfills intercultural requirement.

**290 Internship, 1-4.** May also be offered at the 390 level.

**300 Seminar in History. 4.** An advanced research and writing course required of all majors in their junior year. Students select their own topics and, using primary sources, engage in a semester-long project.

**302 U.S. Economic History. 4.** This course traces the changing character of the multi-faceted U.S. economy from Native American economic systems through the U.S.'s emergence as the world's leading economic and political power after World War II. Students analyze the reasons why the U.S. achieved such great economic success and reflect on the domestic and international consequences of U.S. economic strategies, policies, and practices.

## History

**303 U.S. Social History and Social Memory. 4.** Study of the methods, subjects of research, and critiques of U.S. social history and its public presentation in museums, historical sites and popular culture constitutes an introductory unit and frames the fundamental questions raised in this course. The central focus in course readings and student research is the historical evolution of social diversity in the United States. Fulfills humanities requirement.

**307 U.S. Diplomatic History. 4.**

**308 The Underground Railroad. 4.** Examination of abolitionist activity in U.S. between 1800 and 1865, emphasizing the historical context, scope and impact of efforts by diverse peoples who helped the enslaved escape to “freedom” in the Northern states and Canada. Each student will help develop and participate in a re-enactment to illustrate how the Underground Railroad operated. Fulfills humanities and either diversity in the U.S. or social justice/environmental responsibility requirements.

**311 The U.S. since 1945. 4.** Analyzes recent significant events such as the Great Depression, World War II, the Vietnam War, the Cold War and its demise and their effects on contemporary U.S. society. The course also discusses the recent movements for social justice for African Americans, industrial and service workers, women of all classes and ethnicities, gays and lesbians and other ethnic groups. Fulfills humanities requirement.

**315 The Civil Rights Movement. 4.** Critically examines the reform movement that ended legal racial segregation, secured African American voting rights, and

renewed the quest for political empowerment, economic reform and social justice in the United States between 1948 and 1972. Includes discussion of related movements: black nationalism, black power, women’s liberation, community control and the “war on poverty.” Fulfills humanities and either diversity in the U.S. or social justice/environmental responsibility requirements.

**322 20<sup>th</sup>-Century Europe. 4.**

**335 Ancient Greece from Homer to Socrates. 4.** This course examines the roots of Western cultural experience by examining the ideals and traditions of classical Greece. The seminar will focus on the evolution of Greek culture, its ethics, aesthetics and world-view, particularly as it was formed in the course of the Persian Wars and in the battle for Peloponnesian hegemony between Athens and Sparta. Fulfills humanities requirement.

**336 The Elizabethan Age. 4.** This course centers on the political, religious and cultural changes in the British Isles between the reign of Henry VIII and the Glorious Revolution. Main topics of discussion include the Reformation and the Civil War (1642-45). Fulfills humanities requirements.

**337 Russia to 1881. 4.**

**338 Russia since 1881. 4.**

**343 Women in Modern Africa (IDS 446). 4.** Explores the changing roles of women in 20<sup>th</sup>-century Africa, with emphasis on Ghana and South Africa. Enrollment limited to juniors and seniors. Fulfills humanities and intercultural requirements.

**383 Imperial China. 4.** Explores Chinese history from the time of Confucius to the mid-19<sup>th</sup> century. Themes include the struggle for unification, the interplay between Confucian and Buddhist values, China's relationship to nomadic peoples, the growth of despotism, social organization patterns and China's artistic and scientific contributions to the world. Fulfills humanities and intercultural requirements.

**384 China in Revolution. 4.** Analyzes the causes of five revolutions in 19<sup>th</sup>- and 20<sup>th</sup>-century China. Topics include the impact of Western imperialism on China, peasant uprisings, the nationalist struggle for "strength and wealth," the rise of communism and efforts to create a socialist utopia under Mao Zedong (1949-1976). Fulfills intercultural requirement.

**385 Medieval Japan. 4.** Analyzes Japan politics, society, economy, and culture from 1550 to 1850. Issues include the evolution of the samurai ethic (*bushido*), the warriors' relationship to the arts, the rise of cities and a lively urban culture and changes in rural life. Fulfills humanities and intercultural requirements.

**386 Japan: The Road to War. 4.** Examines Japan from the 1850s, when Commodore Perry "opened" Japan, until the early 1950s, when the Allied Occupation of Japan formally ended. Issues include the impact of the Meiji Restoration on Japanese politics and society, the rise of imperialism and militarism, the Pacific War and the legacy of military defeat and foreign occupation. Fulfills intercultural requirement.

**450 Special Topics. 4.** Topics may include Civil War, the Russian Revolutionary Movement, Women in the 19<sup>th</sup>-Century Labor Force, Guilford County. May also be offered at 250 and 350 levels.

**460 Independent Study. 1-4.** Involves weekly meetings with departmental advisers; oral or written examination. May also be offered at 260 and 360 levels.

**470 Senior Thesis. 2-4.** Research and writing of a scholarly monograph.

**490 Departmental Honors. 2-4.** Honors and credit with grade of B or above; credit only for grade less than B.

The following courses offered by other departments are accepted as history credit for majors with departmental approval:

- GST 225. Medieval People I. 1.

## INTEGRATIVE STUDIES

*Contact: Nancy Dawkas, philosophy department*

The integrative studies major allows students to design their own interdisciplinary major in a way that integrates several fields and disciplines. Such a major is based on several things: Guilford's emphasis on the interdisciplinary character of learning; the Quaker recognition of the unique gifts of each person; and the Quaker emphasis on the responsibility of each person in the

## Integrative Studies

search for truth. This major encourages an active and creative approach to college education in a way that fits the student's special interests and abilities.

**Degrees Offered.** The Bachelor of Arts degree is offered in integrative studies.

**Major Requirements.** Integrative studies majors complete at least 48 credits (usually 12 courses, equivalent to a major and a concentration) in courses that constitute a coherent field of study outside traditional departmental lines. At least 24 of the credits must be advanced courses (at the 300-400 level or occasionally 200-level courses by permission), including a two-semester culminating project during the final year that may count for six to eight credits. Students must earn a grade of C or better in each of the courses in the major.

The interdisciplinary and integrative studies council approves the student as a major by accepting the application; approves a preliminary prospectus at the beginning of the student's next-to-last semester and a revised prospectus at the beginning of the final semester; and participates in the evaluation and approval of the culminating project along with the student's adviser and a consultant reader. The council works with the adviser in supporting and directing the student in the course of study.

**Specific Requirements.** The student usually applies for the major no later than Monday of the second week following midterm of the second semester of the sophomore year. In special circumstances, later applications may be considered. The latest a student may apply is the third week before midterm of the first semester of the junior year. No proposal will be considered after that time. It is particularly

helpful to begin to consider this major as early as possible in the student's work at Guilford through discussions with the chair of the interdisciplinary and integrative studies council, the student's adviser, and students already in the major.

The application includes:

- A statement articulating the nature and coherence of the field of study and why this program best fits the student's interests and goals; the rationale for the courses to be taken for the major, including the sequencing, depth and coherence of the courses; a tentative proposal for the senior project and how it serves as an appropriate culmination for the major; the relationship between the field of study and Guilford's five academic principles; and reflections on future possibilities in the field (e.g., career, graduate school).
- A program list of at least 12 courses (48 credits), distinguishing those taken and those anticipated.
- Strong recommendations from at least two faculty members from two different disciplines who agree to be the advisers. One adviser must commit to being the project adviser.
- Evidence that the student is likely to succeed in a self-designed, interdisciplinary major (e.g., students must have a minimum 2.5 grade-point average, have demonstrated ability to work independently and have strong recommendations).

This completed proposal is shown first to the student's advisers, who must approve it and consider it in their recommendations. The proposal is then

sent to the IDS Council. The council may (and often does) ask the student to revise the proposal. The council then decides whether or not to accept the student into the major.

**Culminating project.** In the semester prior to graduation, the student begins work on the culminating project. This preparatory study gathers bibliography and materials and produces enough preliminary work so that in the final semester the student can immediately begin writing the project immediately. In addition, the student submits a prospectus of the project to the council at least two weeks before the last day of classes of the penultimate semester. The council, along with the project adviser, discusses the prospectus with the student and decides whether or not to approve it.

The project adviser, one member of the council and at least one consultant reader comprise the evaluating committee for the project. The consultant reader is someone whose expertise will aid in evaluating the project. He or she is selected by the student and the adviser with the council's consent. Students are encouraged to decide on and gain approval for the evaluating committee by the end of the first semester of the project and seek approval of the revised prospectus from everyone on the evaluating committee. They also are encouraged to consult with all members of the evaluating committee during the final semester.

The student must submit the final version of the project at least two weeks before the last day of classes to the evaluating committee. The student then defends the project before the evaluating committee. The committee will decide whether or not to approve the project as

fulfilling the requirements of the integrative studies major. After discussing the project with the other members of the evaluating committee, the project adviser determines the project's grade.

## INTERNATIONAL STUDIES (INTR)

*Contact: David L. Barnhill, religious studies department*

Guilford seeks to promote and expand global awareness within the Guilford community and to prepare students to live as citizens and leaders in an increasingly interconnected world.

International education at Guilford is based upon the traditional Quaker values of tolerance and respect for diversity. Guilford College supports a peaceful world where people who are different learn to work together toward a common human goal of harmonious coexistence. Guilford expects its students to learn to appreciate the many faces of human culture, to understand the many ways in which humankind organizes itself and to speak in more than just their native language.

**Degrees Offered.** The Bachelor of Arts degree is offered in international studies.

**Major Requirements.** Students majoring in international studies take a minimum of eight courses (see Specific Course Requirements) and also have a second major in an academic discipline in order to enhance their opportunities after graduation.

## Justice and Policy Studies

Students focus their courses, language study, and abroad experience on one geographic region—Africa, East Asia, Europe or Latin America.

**Specific Course Requirements.** The international studies major requires a minimum of eight courses, which also may satisfy distribution requirements.

- **Global Perspectives**, the international studies core course (INTR 101), is required of all majors. Normally taught annually in the spring semester, this class is for sophomores or juniors in the program.
- **Two international courses** that focus on global issues and/or the approaches used in different academic disciplines to study international topics. Courses include “Cultural Anthropology,” “International Relations,” “World History,” etc. These courses may double count with certain Foundations and Explorations courses and with the disciplinary major.
- **Four regional courses**, including one historical survey and one cultural foundations class, in one of the four geographic regions. At least two academic disciplines and at least two upper-level courses (300- and 400-level) must be included among the four regional courses.
- **Two 200-level language** courses relevant to the region of study (French and Twi for Africa; Chinese or Japanese for East Asia; Spanish, French or German for Europe; Spanish for Latin America). Students wishing to test out

of this requirement must have the approval of the foreign languages faculty.

- **Study abroad** in the relevant region in an approved academic program, normally for one semester. The international studies committee must approve exceptions prior to a student’s participation in the program. Up to four courses taken abroad count for the international studies major; a minimum of four courses must be taken on campus.

### **INTR 101 Global Perspectives. 4.**

An introduction to the interdisciplinary nature of international studies, examining contemporary issues.

## **JUSTICE AND POLICY STUDIES (JPS)**

*Jerry Joplin, visiting associate professor, chair*  
*Barton A. Parks, professor*  
*Lutricia B. Callair, assistant professor*  
*William C. Pizio, assistant professor*

The Department of Justice and Policy Studies offers two majors, community and justice studies and criminal justice. The community and justice studies major focuses on policies and strategies of public service organizations. Taking an applied interdisciplinary approach, the department works with other departments and many community groups. Criminal justice focuses on policies, history and problems of the American criminal justice system.

Both majors emphasize understanding public service organizations, problem-solving, values in public policies, civic activism, strategies for changing organizations and experiential learning and internships.

Both majors are intended for students planning careers or graduate study in public service. The criminal justice major opens pathways to careers in many parts of the criminal justice system and related areas. Graduates of the community and justice studies major have pursued graduate study and careers in law, urban affairs, public administration and related vocations. Graduates have also undertaken careers in law enforcement, courts, corrections, juvenile justice, as well as nonprofit community service organization focusing on mediation and conflict resolution, spouse and child abuse and similar callings. Many students look forward to civic activism, to influencing policy in their community and to supporting local communities.

**Degrees Offered.** The Bachelor of Science degree is offered to all students.

**Major Requirements: Community and Justice Studies Major.** The major consists of eight courses fulfilling four departmental requirements, as specified below.

1. Five required courses:
  - JPS 103: Community Problem Solving
  - JPS 290: Internship
  - JPS 310: Public Management and Organizational Theory
  - JPS 339: Research Methods
  - JPS 366: Justice

2. One 200-level course, excluding JPS 217 (PHIL 247: Philosophy of Law also satisfies this requirement)
3. One upper-division course, designation of 300 or 400.
4. At least one additional course with a designation of 400 or higher.

**Major Requirements: Criminal**

**Justice Major.** The major consists of ten courses: five lower- and five upper-division courses. The ten courses fulfill five departmental requirements, as specified below.

1. Four required basic courses:
  - JPS 101: Introduction to Criminal Justice
  - JPS 200: Criminal Procedure
  - JPS 290: Internship
  - JPS 339: Research Methods
2. One from the following component courses:
  - JPS 202: Law Enforcement and Police Roles
  - JPS 203: Punishment and Corrections
  - JPS 204: Courts: Prosecution and Trial
3. Two courses from the following:
  - JPS 201: Criminal law
  - JPS 202: Law Enforcement and Police Roles
  - JPS 203: Punishment and Corrections
  - JPS 204: Courts: Prosecution and Trial
  - JPS 205: Juvenile Justice and Delinquency

## Justice and Policy Studies

- JPS 244: Conflict Resolution Strategies
  - JPS 250: Special Topics in Criminal Justice
  - JPS 270: Interpersonal Communication
4. Two upper-division courses, designation of 300 or 400.
5. At least one additional course with a designation of 400 or higher. These are the most developed and sophisticated courses offered in the criminal justice major. Students are encouraged to take as many of these courses as their schedule allows.

### **101 Introduction to Criminal**

**Justice. 4.** Survey of the criminal justice system; its philosophy, history, development, component parts, their functions, careers and roles and the constitutional aspects of the administration of justice. Review of the agencies and processes of criminal justice. Fulfills business and policies studies requirement

### **103 Community Problem Solving.**

**4.** This course introduces students to processes for building community, critical thinking abilities and community problem-solving skills including identifying the problem, coordinating individuals into groups and assisting the groups to form a feasible plan for solving the problem.

**200 Criminal Procedure. 4.** The study of due process in law; the legal procedures governing a criminal suspect's civil rights and protections guaranteed under state and federal constitutions; the

rules law enforcement officials, prosecutors, magistrates and judges have to follow in investigating crimes; and the body of law which governs the manner in which such rights and rules are to be enforced and wrongs are to be rectified in criminal cases.

**201 Criminal Law. 4.** Substantive law of crime and defenses. Homicide, assault and battery, burglary, crimes of acquisition (larceny, embezzlement, false premises, robbery), conspiracy, criminal agency and corporate liability, accessories, concept of failure to act and negative acts and legal causation.

### **202 Law Enforcement and Police**

**Roles. 4.** Survey of the police as a social institution: structure and process of police systems. Organizational and behavioral approaches to policing, with particular emphasis on the problems of maintaining public order under rapidly changing social circumstances. Fulfills business and policy studies requirement.

### **203 Punishment and Corrections.**

**4.** Survey of the structure of correctional institutions, parole, probation and community-based correctional programs. Students explore various kinds of leadership and ethical challenges they are likely to encounter in a system that is designed to achieve justice and accountability. Fulfills business and policy studies requirement.

### **204 Courts: Prosecution and Trial.**

**4.** The adjudication process and trial courts as social institutional law and the legal mentality, structure and processes of federal, state and local court systems and traditional and behavioral approaches to the courts. Current problems: heavy case

loads, plea bargaining, changing social norms, sentencing practices. Fulfills business and policy studies requirement

**205 Juvenile Justice and Delinquency. 4.** Survey of the problems of delinquency, child abuse and neglect in contemporary society; juvenile courts and other juvenile justice agencies and institutions; prevention and treatment programs; theories of delinquency causation and treatment. Fulfills business and policy studies requirement.

**217 Literacy Seminar. 2.** Students are trained as literacy tutors and spend four hours per week tutoring in community literacy programs. Wider issues of literacy and related problems are considered. CR/NC.

**220 Community Building Fundamentals. 4.** An examination of community building as a foundation for peaceful coexistence and responsive leadership. Students learn about the nature of group process as they engage in the experience of building community.

**244 Conflict Resolution Strategies. 4.** Students learn about conflict resolution as a path to creative peacemaking, practice styles of communicating and ways of listening that are deeply respectful and affirming, learn to integrate effective ways of awareness and being useful in the conflict resolution process and explore kinds of power and their influence on conflict.

**265 Racial and Ethnic Relations (SOAN 265). 4.** Fulfills diversity in the U.S. requirement.

**270 Interpersonal Communications (PSY 270). 4.** This course is designed to provide students with a basic understanding of the communication process and how this communication process is fundamental to the development of effective relationships. The students will learn techniques for better listening, developing trust and responding to others needs, as well as the rudiments of conflict resolution.

**290 Internship. 4-8.** Supervised internship with a criminal justice, public service or volunteer agency. Required for justice and policy studies majors with no prior full-time work experience or current employment in the criminal justice system or in other public service agencies. May be repeated once with a different agency. May also be offered at the 390 level.

**301 Criminal Justice Policy and Practice. 4.** Theories from several scholarly disciplines are put into practice in dealing with criminal justice policy questions. Managerial, psychological, sociological and political-ideological theories are reviewed in their application to issues in American criminal justice, such as drug and alcohol control policy, gun control, policing strategies, correctional philosophies and death penalty questions. Fulfills business and policy studies requirement.

**310 Public Management and Organizational Theory. 4.** Study of managerial principles and the structures of public organizations, the organizational environment and processes of leadership, applying organizational theory, decision-making, planning, staffing, evaluation, internal communication and organizational

## Justice and Policy Studies

change as applied in public service agencies. Fulfills business and policy studies requirement.

**313 Law and Society. 4.** Introduction to sociological jurisprudence, the legal system, legal institutions as instruments of stability and social change. Law and social processes, legal decision-making and cross-cultural comparisons of legal systems and legal values. Fulfills social justice/environmental responsibility requirement.

**320 Ethics in Justice and Policy Studies. 4.** Ethical standards and considerations for justice and public service agency officials. Examination of causes and consequences of corruption and other unethical behavior of public officials within the criminal justice system and in related agencies of government. Fulfills business and policy studies requirement.

**323 Diversity at Work. 4.** Explores ways in which individual and group differences influence self-perception and interpersonal communication. Increased understanding and communication skills will enable participants to work more productively with diverse colleagues and social groups. Fulfills diversity in the U.S. requirement.

**333 Criminological Theory. 4.** Advanced survey of criminological theory, covering sources of data about crime, the socioeconomic characteristics of both offenders and at-risk populations and the nature and theorized causes of criminal offenses.

**339 Research Methods. 4.** An introduction to the techniques and analytic tools used to conduct research in the areas of criminal justice, public policy and related

social sciences. Prerequisite: introductory college math.

**361 Philosophy of Law Enforcement. 4.** This course is based on the premise that all police officers are philosophers and need to become better philosophers of law. This course associates the works of famous jurists with the practice of law enforcement.

**365 Race in Criminal Justice. 4.** This course engages students in a dynamic examination of the criminal justice system and the impact of race and racism on its development. Fulfills business and policies studies and social justice/environmental responsibility requirements.

**366 Justice. 4.** This course will consist of a study of classical philosophical thought and its relation to justice from the early Greeks to modern theorists. These classical views will be used to analyze current events and policies of criminal justice system.

**370 Basic Group Facilitation. 4.** This course offers an in-depth study of organizational dynamics and procedures. Students will learn the stages of organizational development and the basic facilitation practices that are useful in guiding a group through them.

**400 Advanced Problems. 4.** Selected problem areas in the fields of criminal justice, public policy, and public administration examined in depth. Problems examined vary with each offering, and have included issues involving police administration, court administration, jails and prisons, security and crime prevention, death penalty policy, coercion and justice.

**424 Trust and Violence. 4.** This course examines ways that trust binds communities together, and violence or the threat of it prevents or destroys trust. The course draws upon applied theory, organizations effective in sustaining trusting communities and experiential learning in trust-building group processes. Fulfills business and policy studies requirement.

**425 Family Violence. 4.** This course introduces students to five prevalent family problems: wife abuse, husband abuse, child neglect and abuse, elderly abuse and rape/sexual assault. Central to the course are examinations of causal factors, the psychology of victim and offender, societal impact, treatment and intervention strategies and the criminal justice role and processes. Fulfills social justice/environmental responsibility requirement

**435 Constitutional Law in the Political Process I (PSCI 435). 4.**

**436 Constitutional Law in the Political Process II (PSCI 436). 4.** Fulfills social justice/environmental responsibility requirement.

**437 Multicultural Communication : Identities and Interaction. 4.** This interdisciplinary course draws on the theory and practice of cross-cultural communication. Participants will learn to appreciate how not only personality, but also national, ethnic, gender, age and non-dominant versus dominant social affiliation, shapes their values, identity, and social interactions.

**439 Understanding Oppressive Systems. 4.** Students will examine the nature of the human system as it presents itself in small groups, organizations, communities and societies. They will develop a definition of just and humane systems as well as the kind of leadership needed to facilitate them. Fulfills social justice/environmental responsibility requirement.

**440 Counseling. 4.** This course will consist of discussion and application of various counseling models. Specific models discussed will include Psychoanalysis, Person-Centered Therapy, Transactional Analysis, Existentialism and Rational Emotive Therapy.

**445 Police Brutality and Culture. 4.** It has been clearly established through research that the lives of police officer are affected by the work they do, the pressures placed on them by the communities they serve and expectations of their superiors. This class will explore the factors influencing individual and institutional responses to these influences.

**450 Special Topics. 4.** Advanced public policy topics, studied in depth for advanced students. May also be offered at the 250 and 350 levels with examination of current public policy topics, issues and problems at a sophisticated introductory level.

**460 Research Problems/ Independent Study. 1-4.**

Opportunities for upper-level students to conduct individualized research into topics and fields of interest in which courses are not offered. May also be offered at 260 and 360 levels.

## Mathematics

**470 Senior Thesis. 4-8.** Major research project designed and conducted under the supervision of a faculty member. Prerequisite: JPS 339 or other research methods course.

**490 Departmental Honors. 4-8.**

# MATHEMATICS (MATH)

*G. Rudolph Gordb, Jr., professor, chair*  
*Elwood G. Parker, professor*  
*Jill H. Wiesner, assistant professor*

Mathematics is better learned by doing than by observing, so active student participation is encouraged in all programs. Since the opportunity for students to work with faculty individually and in small groups is also of utmost importance, numerous small classes and seminars are provided. Students majoring in mathematics are encouraged to discover areas in which they have both talent and interest, to gain familiarity with a wide range of mathematical areas and to acquire deeper knowledge of some mathematical specialty.

The department serves other academic areas through courses in elementary functions and calculus, statistics, mathematics for the liberal arts and mathematics for prospective teachers.

**Degrees Offered.** The Bachelor of Science and Bachelor of Arts degrees are offered in mathematics.

**Major Requirements.** Majors are required to complete 32 credits in mathematics courses or seminars numbered above 120. Calculus through Multivariable Calculus (MATH 225) and Foundations of Mathematics (MATH 231) are basic requirements of all majors. Majors must also complete either Linear Algebra (MATH 325) or Mathematical Physics (MATH 320). In addition, each major must take one upper-level course in theoretical mathematics (selected from MATH 335, 430, 435 or approved 475) and another in applied mathematics (selected from MATH 310, 415 or approved 475).

Many majors emphasize a particular area of mathematics in their course work. Those emphasizing theoretical mathematics have been notably successful in graduate study at respected universities; majors who wish to prepare for graduate school should take Topology (MATH 335), Algebraic Structures (MATH 430) and Real Analysis (MATH 435).

Other students emphasize applied mathematics in preparation for advanced study in areas other than mathematics; such majors should include Probability and Statistics (MATH 310) and an advanced seminar (MATH 475) on an applied topic of interest in their programs.

Students preparing to teach mathematics in secondary schools should take Geometry (MATH 235), Probability and Statistics (MATH 310) and Algebraic Structures (MATH 430).

The most frequent double or joint major with mathematics is physics; students pursuing this option should take Mathematical Physics (MATH /PHYS 320) and an advanced seminar (MATH 475) on further topics in mathematical physics.

Mathematics majors are frequently double or joint majors. Such majors that allow students to pursue other strong interests in any other discipline and relate them to mathematics are encouraged by the department.

**103 Mathematics for Elementary School Teachers. 4.** Introduction to elementary school mathematics and its fundamental underlying concepts and structure with emphasis on problem solving, logical thinking, use of conjecture and exploration with concrete materials. Does not count toward the major. Restricted to education studies majors. Fulfills quantitative literacy requirement.

**110 Mathematics for the Liberal Arts. 4.** The nature of mathematics from cultural, historical and logical viewpoints, stressing relationships between mathematics and other disciplines. Recommended for humanities, fine arts and education majors. Does not count toward the major. Includes emphasis on basic quantitative skills. Fulfills quantitative literacy requirement.

**112 Elementary Statistics. 4.** Descriptive statistics; probability and probability distributions; sampling and sampling distributions; confidence intervals and hypothesis testing; correlation and regression analysis. Emphasis on application and interpretation. Recommended for social science and preprofessional majors; does not count toward the major. Fulfills quantitative literacy requirement.

**115 Elementary Functions. 4.** Precalculus analysis of algebraic, exponential, logarithmic, trigonometric and inverse trigonometric functions. Does not count toward the major. Fulfills quantitative literacy requirement.

**121 Calculus I. 4.** Calculus of single-variable algebraic, exponential and logarithmic functions, emphasizing the concepts, techniques and applications of limits, differentiation and integration in both physical and geometric settings. Fulfills quantitative literacy requirement.

**122 Calculus II. 4.** Calculus of single-variable trigonometric and inverse trigonometric functions, with emphasis as in Mathematics 121, but especially on integration and its applications. Numerical series. Prerequisite: MATH 121. Fulfills quantitative literacy requirement.

**123 Accelerated Calculus. 4.** Special course in calculus covering the content of MATH 121 and 122 in one semester for students having studied calculus previously. Fulfills quantitative literacy requirement.

**225 Multivariable Calculus. 4.** Power series and approximation. Calculus of functions of several variables including partial differentiation, multiple integration and vector analysis. Prerequisite: MATH 122 or 123. Fulfills quantitative literacy requirement.

**231 Foundations of Mathematics. 4.** Axiomatic development of an elementary mathematical system, stressing the logical nature and structure of mathematics. Fulfills quantitative literacy requirement.

## Mathematics

**235 Geometry. 4.** Topics chosen from Euclidean, hyperbolic, elliptic, projective, affine, etc., geometry emphasizing axiomatic development and/or physical application with content dependent upon student interest and background. Especially recommended for students interested in mathematics education. Prerequisite: MATH 230 or consent of instructor. Fulfills quantitative literacy requirement.

**290 Internship, 1-4.** May also be offered at the 390 level.

**310 Probability and Statistics. 4.** Fundamentals of the analysis and interpretation of statistical data, theory and application. Includes: descriptive statistics; probability; discrete and continuous random variables, their probability, density and moment-generating function; joint, marginal and conditional probability and density functions of several random variables; sampling distributions; estimation; hypothesis testing. Prerequisite: MATH 225. Fulfills quantitative literacy requirement.

**320 Mathematical Physics (PHYS 320). 4.** Fulfills quantitative literacy requirement.

**325 Linear Algebra. 4.** Introduction to systems of linear equations, matrices, linear spaces and linear transformations, including applications of these concepts to other areas of mathematics and to other fields. Prerequisite: MATH 225. Fulfills quantitative literacy requirement.

**335 Topology. 4.** Topics in point-set, geometric, general or algebraic topology with content dependent on student and instructor interest. Suggested for majors emphasizing theoretical mathematics.

Prerequisite: MATH 230. Fulfills quantitative literacy requirement.

**415 Numerical Analysis. 4.** Techniques, theory, computer programming and application of approximations of zeros of functions, solutions to systems of equations, integrals and ordinary differential equations. Suggested for majors emphasizing applied mathematics or mathematical physics. Prerequisite: MATH 325. Fulfills quantitative literacy requirement.

**430 Algebraic Structures. 4.** Study of algebraic structures such as groups, rings and fields and their morphisms. Suggested for majors emphasizing theoretical mathematics or interested in mathematics education. Prerequisites: MATH 230 and 325. Fulfills quantitative literacy requirement.

**435 Real Analysis. 4.** Rigorous study of real functions including topics from limits, sequences, series, differentiation, integration. Suggested for majors emphasizing theoretical mathematics or mathematical physics. Prerequisites: MATH 225 and 230. Fulfills quantitative literacy requirement.

**450 Special Topics. 4.** May also be offered at 250 and 350 levels.

**460 Independent Study. 1-4.** May also be offered at 260 and 360 levels.

**Mathematics Seminars.** Seminars are provided to allow and encourage students and faculty members to pursue topics of mutual interest beyond the scope of regular classes. Seminars may be arranged as

extensions of existing courses, as special topics courses, as undergraduate research projects or as honors projects. Students must prearrange seminars with faculty members on or before registration day; no student may register for a seminar without prior departmental approval. Seminars carry from one to four credits and may be repeated for credit with permission of the department.

### **275, 475 Seminar in Mathematics.**

**1-4.** Lower- and upper-level seminars in selected topics. Prerequisite: consent of the department.

## **MUSIC (MUS)**

*Timothy H. Lindeman, associate professor, chair*  
*George H. Black, visiting lecturer*

The Department of Music strives to engage students in a variety of artistic, creative, intellectual and cultural endeavors. Students benefit from a strong, interdisciplinary liberal arts base, small classes that stimulate active learning and group participation. Seminar-style settings take the place of formal lectures; repertory classes, student showcases, end-of-semester recitals, experiences in musical theater and opera scenes, master classes and competitions prepare students for the application of their discipline.

The department offers a variety of opportunities in performance studies, solo and group performance and music scholarship for the student who pursues a music major or concentration. The general Guilford student is welcomed into private lessons, performance ensembles and general classes that deal with the world of music.

The college choir, through its annual concert tour and community programs, serves as an ambassador of goodwill for Guilford. Activities are designed for community enrichment, the high point of the season being the annual Christmas holiday concert. Numerous other public performances are presented, and by audition, members of the choir have the opportunity to perform with additional choral ensembles. Participation in the choir is designed to add to the total enrichment of campus life. Membership is open to all students genuinely interested, willing to work hard and strongly committed to the choir.

The jazz ensembles and the guitar ensembles frequently perform for the Guilford community and in the Greensboro area. The ensembles, the weekly repertoire classes for major, the monthly midday musicales and junior and senior recitals provide students with many performance opportunities.

In alternate years the department produces a musical in cooperation with the theatre studies department. All Guilford students are eligible to audition for parts.

**Degrees Offered.** The Bachelor of Arts degree is offered in music.

**Scholarships.** The William R. and Beverley C. Rogers Scholarships make awards available annually to new first-year students who have an interest in pursuing a major in music. Choir scholarships are also offered by the college for qualified students. Additionally, the William Topkins, the Laura Kelly Dobbins, and the Maxine Kirch Ljung scholarships are awarded to talented students pursuing a major or a concentration in music.

## Music

**Major Requirements.** A major in music consists of 16 credits in music theory (MUS 101-102, 201-202), 8 credits in music history (MUS 310-311), 2 credits in conducting (MUS 210), 12 credits in applied study, six credits in ensemble and a junior and senior recital (MUS 302 and 402). MUS 103 is required for music majors in voice and MUS 205 is required for music majors in guitar.

**101 Music Theory I. 4.** This course in basic musicianship examines the materials and structures of diatonic music: time, melody, harmony and form. Students must be able to read music; diatonic ear training and sight singing are required components of the class. Fulfills arts requirement.

**102 Music Theory II. 4.** A continuation of MUS 101 in which resources of the tonal system are analyzed with emphasis on seventh chords, both diatonic and chromatic. Traditional part writing is stressed; some chromaticism is introduced in ear training and sight-singing. Prerequisite: MUS 101 or permission of instructor.

**103 Song Diction. 1-2.** This course includes the study of articulation, phonetics, the International Phonetics Alphabet (IPA) and the application of IPA to Italian, Latin, English, German and French song texts. It is required for music majors (in voice) and open to any student enrolled in Choir (MUS 120) and/or Private Voice (MUS 272).

**110 Jazz Appreciation. 4.** Explores the many facets of jazz as a musical art form with regards to ethnicity, cultural,

historical and musical evolution. Live performances in and out of the classroom enhance the experience. Fulfills arts and diversity in the U.S. requirements.

**111 Music Appreciation. 4.**

Introductory course designed to train students in perceptive, intelligent listening. Selected representative works from plain song through contemporary music. Fulfills arts requirement.

**113 Music and Contemporary Culture: Reflections On the Ways Music Affects and Is Affected By Humanity. 4.**

Explores specific facets of music that affect and are relevant to contemporary culture. Students will be asked to question the significance of music within social structure, religion, politics, economics, education and issues of gender and race. Fulfills arts and diversity in the U.S. requirements.

**119 Music and Social Conflict. 4.**

Examines a period of history that includes both the continuation of Classical/Romantic traditions and the dramatic and sometimes sudden shifts in Western musical style directly affected by world crisis. The music studied will include works from the various movements of Modernism, Neoclassicism and specific works inspired by the Holocaust. Fulfills historical perspectives requirement.

**120 Guilford College Choir. 1-2.**

Provides opportunities for growth, enrichment and service through quality performances that share choral art with the college and larger communities. The choir's repertoire includes standard choral works as well as selections from the ethnic/multicultural, folk, theatre and musical satire genres. The choir is non-auditioned;

all students with a desire to work hard, build community and explore the choral art are welcome.

**122 Guitar Ensemble. 1.**

**124 Jazz Ensemble. 1.**

**127 Concert Band. 1.**

**129 Orchestra. 1.**

**130 Guitar: Hum and Strum. 1.**

Designed for the beginning player who wishes to learn basic song accompaniment. Students will build a strong foundation of choral knowledge, finger-picking patterns, right-hand technique and a general understanding of the fretboard. Students do not need to know how to read music; however, they must own their own instrument.

**131 Guitar: Picks and Tabs. 1.** For guitarists who play either electric or acoustic guitar and are familiar with picks and tablature notation. The class will learn pieces in the following styles: folk, country, rock and jazz. A prerequisite semester of private instruction is recommended and a working knowledge of chords is most helpful.

**132 Voice. 1.**

**134 African Drumming. 1.** Learn techniques and patterns commonly employed in traditional West African cultures. The primary focus is on the djembe, but other drums are employed as well. No musical background is required, although students will be expected to furnish their own instruments.

(all courses in the 130's have additional fees)

**140 Opera Scenes. 2.** Students study, prepare and perform selected solo and ensemble literature from scenes taken from opera and musical theater. Roles are assigned on the basis of audition.

**201 Music Theory III. 4.** Beginning with historic style periods, the course studies historic counterpoint as well the more chromatic harmonic practices as employed in 19<sup>th</sup>- century music as well as classical forms. Ear training and sight singing are involved with modulation and chromaticism. Prerequisite: MUS 102 or permission of instructor.

**202 Music Theory IV. 4.** More harmonic practices of the 19<sup>th</sup> century are studied as are the compositional techniques of the 20<sup>th</sup> century. Ear training and sight singing are involved with chromaticism. Prerequisite: MUS 201 or permission of instructor.

**205 Guitar Literature and Performance. 2** Examines two important facets of the classical guitar. The first half of the semester explores the history of the classical guitar, its players and music. The second half deals with teaching the guitar. Students will observe lessons, compare and analyze methodologies and gain hands-on teaching experience. This class is intended for the guitar major or concentrator, but no pre-requisite is required.

**210 Conducting. 2.** A beginning course that introduces students to the basic skills of conducting. Emphasis is placed on the mastery of conducting patterns, techniques of expressive conducting and an interpretative knowledge of musical terms. Prerequisite: must have taken or be enrolled in MUS 102.

## Music

**215 Music of the World. 4.** This survey studies and documents traditional music cultures from Africa, India, Japan and Indonesia. Student presentations focus on other cultures of the world. Fulfills intercultural requirement.

**270 Performance Studies in Piano. 1-2.**

**272 Performance Studies in Voice. 1-2.**

**273 Performance Studies in Guitar. 1-2.**

**274 Performance Studies in Strings. 1-2.**

**275 Performance Studies in Brass. 1-2.**

**276 Performance Studies in Winds. 1-2.**

**277 Performance Studies in Bass Guitar. 1-2.**

**278 Performance Studies in Percussion. 1-2.**

**279 Composition. 1-2.**

(all courses in the 270's have additional fees)

**290 Internship, 1-4.** May also be offered at the 390 level.

**302 Junior Recital. 0.**

**310 Music History I. 4.** Explores Western art music from ancient times through 1750. Music from the Middle Ages, Renaissance and Baroque periods is examined with an emphasis on the place of art music in society. Ability to read music is helpful. Fulfills arts requirement

**311 Music History II. 4.** Explores Western art music from the classical period through the contemporary period. Music from the Classical, Romantic, Impressionist and 20<sup>th</sup>-century stylistic periods is examined with an emphasis on the place of art music in society. Ability to read music is helpful. Fulfills arts requirement.

**402 Senior Recital. 1. CR/NC.**

**450 Special Topics. 1-4.** May also be offered at 250 and 350 levels.

**460 Independent Study. 1-4.** Independent research or directed study on a topic of interest to the student. May also be offered at 260 and 360 levels.

**470 Senior Thesis. 1-4.**

**490 Departmental Honors. 4-8.** College requirements; specific rules and standards may be obtained from department chairperson.

# PEACE AND CONFLICT STUDIES

## Core Faculty:

*Vernie Davis, director of peace and conflict studies, director of the conflict resolution resource center*

*Shelini Harris, religious studies, peace and conflict studies*

*Lucretia B. Callair, community justice studies*

*Kenneth E. Gilmore, political science*

*Max L. Carter, director of friends center and campus ministry coordinator*

Peace and conflict studies is an interdisciplinary major that studies the nature of conflict and violence, the possibilities of social change and the means for resolving and transforming conflict nonviolently. The major draws on Guilford's Quaker heritage by seeking the roots of situations of injustice and oppression, exploring nonviolent social change, emphasizing each individual's search for truth within different levels of community and focusing on practical problem-solving. Peace and conflict studies melds two related fields of study, conflict resolution and peace studies, in a complementary, creative interaction. It encourages an interdisciplinary, holistic relationship between personal and social change, structured modes of conflict resolution and creative nonviolent activism, careful analysis of structural violence and exploration of spiritual foundations for peaceable living and action.

Students in peace and conflict studies engage in critical analysis in several key components of the field: theories of war and peace, central concepts in peace research, the interrelation between the personal, local and global levels of conflict and possibilities of reducing conflict and

methods and practices of conflict resolution, reduction and transformation. Students build skills that help them to solve problems of violence and conflict, to listen carefully and caringly to others in the midst of conflict and to contribute to organizing groups and actions concerned with social change and conflict resolution and transformation.

**Degrees Offered.** The Bachelor of Arts degree is offered in peace and conflict studies.

**General Requirements for the Major.** Peace and conflict studies is an interdisciplinary major which must be taken along with a second disciplinary major. A student must have an adviser from the peace and conflict studies core faculty (listed at the beginning of the description of the major) as well as an adviser from the second major. Because peace and conflict studies is an interdisciplinary major, students must select courses from at least three departments that cover at least two areas of study.

**Specific Course Requirements for the Major.** The major consists of eight courses. They must include at least four courses at the 300–400 level, including: 1) two *core courses*, at least one taken in the junior year; 2) an internship in the junior or senior year that builds on a student's prior course work and incorporates peace and conflict studies analysis with site work; 3) a senior integrative experience, which will normally be a designated IDS 400 (although a senior thesis or an independent study may be substituted in special circumstances). The remaining four courses may be chosen from either *general* or *core courses*.

## Peace and Conflict Studies

The following courses are the current regular offerings in peace and conflict studies. Special topics courses (250 or 450) are frequently available and new courses are being added to the major. Please contact one of the core faculty for current listings of courses.

### General Courses:

- ECON 432: International Economics
- GST 250: Community Development (Mexico)
- HIST225: African American History
- HIST 237: Europe in Revolution
- HIST 238: War and Peace in 20<sup>th</sup> Century Europe
- HIST 255: The Second World War
- HIST 308: The Underground Railroad
- HIST 315: Civil Rights Movement
- JPS 220: Building Community
- JPS 244: Conflict Resolution
- JPS 424: Trust and Violence
- JPS 425: Family Violence
- PHIL 250: Pacifism and Just War Theory
- PSCI 103: International Relations
- PSCI 445: Globalization and Its Discontents
- REL 103: Voices of Liberation
- REL 203: Buddhism, Peace, and Ecology
- REL 233: Peace, War, and Justice
- REL 250: Voices of Liberation
- REL 312: Humanistic Ecology
- REL 450: Quakers, Community, Commitment
- REL 450: Women, Body, Voice
- SOAN 104: HP: Tribes, States, Global Society
- SOAN 250: Understanding Global Poverty
- SOAN 350: Understanding Poverty
- SOAN 250: Latin American Social Issues

- SOAN 275: Contemporary Mexico: Rebel/Dem.
- SOAN 413: Gender Violence
- SOAN 445: Culture, Conflict, Negotiation

### Core Courses:

- PSCI 345: Avoiding War, Making Peace
- REL 330: Nonviolence: Theories and Practice
- REL 350: Human Rights
- REL 450: Religion and Resistance
- SOAN 345: Personal and Social Change
- SOAN 346: Mediation and Conflict Intervention

**Internship.** A peace and conflict studies internship involves practical experience that focuses on social change, nonviolent intervention, conflict resolution or transformation and/or building a culture of peace. The internship includes critical reflection on the student's experience and analysis of activities, experiences and structures that contribute to the reduction and transformation of violence and/or the maintenance of systems of violence and domination. May be offered at the 290 or 390 level.

**Senior Integrative Experience.** The Senior Integrative Experience is normally an IDS 400 that enables the student to integrate many of the elements of the peace and conflict studies major. In special circumstances, the senior integrative experience may be an independent study or senior thesis.

- IDS 405: Quakers, Community, Commitment
- IDS 413: Women, Body, Voice
- IDS 427: Humanistic Ecology
- IDS 435: Understanding Poverty
- IDS 445: Culture, Conflict, Negotiation

**Independent Studies and Senior Theses.** If students have special interests that they wish to pursue that are not covered in peace and conflict studies courses, they may arrange an independent study with an interested faculty member or pursue a senior thesis. We recommend that independent studies be done in the junior or senior year.

## PHILOSOPHY (PHIL)

*Nancy Daukas, assistant professor, chair*  
*Jonathan W. Malino, professor*  
*Lisa J. McLeod, assistant professor*  
*Vance A. Ricks, assistant professor*

Philosophy strives to deepen our understanding of ourselves, others and the world around us. It aims to articulate and examine our most fundamental assumptions, raising questions and encouraging reflection about generally unnoticed aspects of our everyday lives. Philosophical inquiry involves interpretation and analysis of a rich tradition of powerful philosophical texts; intensive discussion and analysis of problems, questions and theories that emerge from those texts; and probing reflection on everyday experience, human practices and the entire range of human knowledge and study.

Philosophical inquiry requires, and enables students to develop, a wide range of skills, including reasoning, interpretative and critical reading, clarity in written and spoken expression, synthesis and analysis of information, problem solving and appreciation of different perspectives. These skills, along with the enhanced

awareness that philosophy enables us to develop, are foundational to most forms of intellectual endeavor, practical decision-making and moral questioning. Thus philosophical training and reflection lay a groundwork for any path one may choose in life.

Given the nature of philosophy, combining a philosophy major with a second major in the humanities, the natural or social sciences, the arts or business and policy, is an exciting and natural option, with benefit to both the breadth and the depth of a student's studies.

**Degree Offered.** The Bachelor of Arts degree is offered in philosophy.

**Major Requirements.** To major in philosophy, a student must complete nine philosophy courses, among them Ethics (PHIL 111), Formal Logic (PHIL 292), the history of Western Philosophy (PHIL 201 and 202), one course devoted to an individual philosopher (PHIL 333), the third-year seminar (PHIL 301; 1 credit) and Contemporary Analytic Philosophy (PHIL 401). Individually tailored independent studies are available to supplement regular course offerings.

Outside the classroom, lectures and informal discussions are sponsored by a philosophy club, which also arranges for students to attend lectures and colloquia at The University of North Carolina at Greensboro, Wake Forest University, the University of North Carolina at Chapel Hill and Duke University.

## Philosophy

### **100 Introduction to Philosophy. 4.**

Major philosophical problems, methods and positions, as set forth in selected historical and contemporary philosophical texts, including works by Plato, Descartes, Hume, others. Fulfills humanities requirement.

**111 Ethics. 4.** Chief theories of the nature and principles of the moral life, with regard to both the ends human beings seek and the obligations which claim their commitment. Fulfills humanities and social justice/environmental responsibility requirements.

### **201 Ancient Western Philosophy.**

**4.** Historical development of philosophical thought in Western civilization in terms of the main periods and thinkers of ancient Greek philosophy. Fulfills humanities requirement.

### **202 Modern Western Philosophy.**

**4.** Major developments of Western philosophical thought in the 17<sup>th</sup> and 18<sup>th</sup> centuries, emphasizing philosophical inquiry into metaphysical systems and problems of knowledge. Fulfills humanities requirement.

### **221 Philosophy of Religion. 4.**

Reason and religion: proofs of God's existence, faith and reason, the problem of evil, morality and religion, religious language. Fulfills humanities requirement.

### **231 Philosophy and Sexuality. 4.**

Inquiry into the relationship between values and sexuality. Topics include pleasure, love, homosexuality, prostitution, monogamy, sexual perversion. Fulfills social justice/environmental responsibility requirement.

### **232 Gender, Identity, and**

**Experience. 4.** Interrelated topics in the metaphysics and phenomenology of gender. Questions include: What is it to *be* a woman or man? How do Western conceptions of gender affect our experience? How do other aspects of our identities (e.g., race, sexuality) enter the conversation? How do we move beyond harmful gender stereotypes? Fulfills social justice/environmental responsibility requirements.

### **241 Computer Ethics. 4.**

Ethical questions connected with computer technology. For example: What is distinctive about ethics in this context? How do digital media force us to reconsider longstanding notions of "ownership" and "theft"? How do computer technologies reflect or undermine the values of privacy and anonymity? How does electronic communication change our understanding of what it means to be human? Fulfills humanities and social justice/environmental responsibility requirements.

### **242 Environmental Ethics. 4.**

Exploration of environmental topics from several theoretical, cultural and religious perspectives. Questions include: What are our responsibilities to the environment? To what extent are these responsibilities affected by the interests of other persons or groups? What is the source of these responsibilities and to whom are we obligated? Fulfills humanities and social justice/environmental responsibility requirements.

### **247 Philosophy of Law. 4.**

Conceptual analysis and moral evaluation of laws and legal systems: the nature and validity of law, law and morality, the

obligation to obey the law, law and judicial decision-making, criminal responsibility and the nature of punishment. Fulfills humanities and social justice/ environmental responsibility requirements.

### **261 Philosophy and Race. 4.**

Examines race and racism, exploring the relationship between liberal ideas of freedom and equality and the reality of group exclusion. Key questions include: What conception of race will do justice to our experience of social realities while avoiding scientific errors? What conception of race and racism do we need in order to help dismantle systemic racism? Fulfills humanities and social justice/ environmental responsibility requirements.

**290 Internship, 1-4.** May also be offered at the 390 level.

**292 Formal Logic. 4.** Methods, foundations, and philosophical implications of using symbolic languages to evaluate deductive reasoning.

### **301 Third Year Seminar. 1.**

Addresses issues regarding career planning or preparing for post-graduate education.

### **333 Individual Philosopher. 4.**

Intensive study of the works of an individual philosopher (e.g., Maimonides, Plato, Spinoza, Kant, Nietzsche, Mill, James) whose thought has had a lasting influence on western philosophy.

### **336 Social and Political**

**Philosophy. 4.** Principal theories of the foundation of political society; the nature of political authority; limits of political obligation; relation of theories of human nature to social/political theory. Fulfills

humanities and social justice/ environmental responsibility requirements.

### **375 Topics in the Philosophy of**

**Mind. 4.** Topics include The Mind-Body Problem, The Emotions and The Self. Fulfills humanities requirement.

### **376 Topics in the Theory of**

**Knowledge. 4.** Courses will cover such topics as Belief, Skepticism and Theories of Knowledge. Historical and contemporary readings on the nature and sources of knowledge, justification, rationality and skepticism. Fulfills humanities requirement.

### **377 Autonomy and Authenticity. 4.**

Conceptual, theoretical and normative issues arising from the intersection of thinking about freedom and the self, including internal freedom, self-deception, self-respect, weakness of will and autonomy as moral right and character ideal.

### **401 Topics in Contemporary**

**Analytic Philosophy. 4.** Main developments in 20<sup>th</sup>-century analytic philosophy with emphasis on philosophy of language, epistemology, and metaphysics.

**450 Special Topics. 4.** May also be offered at 250 and 350 levels. Recent examples include Philosophy of Science, Pacifism and Just War Theory, Philosophy and Race, Free Will and Moral Responsibility.

**460 Independent Study. 1-4.** May also be offered at 260 and 360 levels.

**470 Senior Thesis. 4-8.**

**490 Departmental Honors. 4-8.**

## PHYSICS (PHYS)

*Thomas P. Espinola, professor, chair*

*Rexford E. Adelberger, professor*

*Steven S. Shapiro, assistant professor*

Physics students at Guilford come from a wide variety of backgrounds and plan to follow a wide variety of paths after graduation. About one third of our physics majors plan for employment in a technical field immediately after graduation. Another third pursue graduate study in physics or astronomy. The remaining third go on to advanced study in another field. To embrace such a wide spectrum of students, the physics curriculum is flexible and personalized. Course scheduling encourages off-campus research internships, independent study and study abroad.

The common thread connecting the different goals and focuses of our students and faculty is the physicist's approach to thinking about, modeling and understanding the universe. This process relies on clear, analytical and often abstract thinking, but is ultimately grounded in concrete reality as exposed by experiment. Reaching a clear, realistic understanding of some aspect of the world is of value in not only science and engineering but also business, law, medicine and many other fields.

The physics program at Guilford emphasizes research and experimentation throughout its curriculum. Students in introductory courses learn to work with equipment, quantify experimental uncertainties and present results in journal format. The experimental physics sequence stresses laboratory techniques, cooperative research and clear, thoughtful presentation

of results. In this sequence of courses, students design experiments, act as principal investigators, write journal articles and give talks for peer review.

This research experience culminates in a thesis research project that must be original and designed by the student. The results are presented in a written thesis and public talk. Students frequently present papers at the National Conference on Undergraduate Research (NCUR) and other conferences. Each year the department awards several research assistantships for research projects selected from proposals submitted by students. The awards are funded by physics graduates and their families and include a stipend and funds to attend a conference.

**Degrees Offered:** The Bachelor of Science degree is offered in physics. We offer concentrated degrees in the following:

- B.S. in physics for students pursuing employment in a technical field
- B.S. in physics for students preparing for graduate study
- B.S. in physics with a concentration in astronomy for students preparing for graduate study in astrophysics

**Major Requirements.** A total of 32 credits in physics, including at least two semesters of experimental physics, an internship (either industrial or research) or at least 4 credits of portfolio development and a thesis with defense. An individualized course of study will be planned by the student, in consultation with faculty advisers, based on models appropriate for her or his chosen career path.

**101 Physics for Nonscientists. 4.**

Introductory course, intended for students with limited mathematical background. Centered on one of several topics such as an in-depth look at the physics of energy or a survey of modern physical thought; the relevance of physical laws to both society and the environment is discussed. Offered on demand, does not count toward the physics major and does not fulfill the natural science requirement.

**106 General Astronomy. 4.** This course, which is intended for non-science majors with limited mathematical background, will cover topics selected from naked-eye astronomy, stellar astronomy, galactic astronomy and cosmology. Counts toward the astronomy concentration, but does not include observing and does not count toward the physics major.

**107 The Solar System. 4.** This course covers the physical description of the planets, their satellites, the sun, asteroids and comets, with a strong emphasis on recent information from landers and fly-by probes. This course includes discussions of how science is known, learned and taught, which will be of interest to future teachers and others who may wish to combine work with students and science. Fulfills natural science requirement and counts toward the astronomy concentration but not the physics major.

**108 Realm of the Stars. 4.**

Concentrates on the study of stars. Topics include stellar observation and the life, evolution and death of stars. Fulfills natural science requirement.

**109 Beyond the Stars. 4.** Concentrates on the study of extra-galactic astronomy. Topics include nebulae, galaxies and

cosmology. Counts toward the astronomy concentration but not the physics major.

**121-122 Classical and Modern**

**Physics I, II. 5,5.** For physics majors and others interested in physics. This course is not a survey but an introduction to the thinking and analysis processes of physics, with classroom and laboratory topics chosen from modern and classical physics to emphasize the skills needed to think like a physicist. To prepare for Phys 122, students should plan to take Math 121 concurrently with Phys 121. Fulfills natural science requirement. Sequence begins each fall.

**210 Observatory Practice. 4.** For physics majors and others interested in learning to use the Guilford College Observatory. The course includes astronomical background drawn from solar system, stellar and extra-galactic astronomy, but the emphasis is on the use of the equipment, methods of data acquisition and analysis of results. Fulfills natural science requirement and counts toward the astronomy concentration.

**211-212 College Physics I, II. 4, 4.**

For science majors and other interested students whose mathematics background includes algebra and trigonometry. This survey of physics includes mechanics, energy, thermodynamics, electricity and magnetism, optics, wave motion and modern physics. Fulfills natural science requirement, but does not count toward the major. Sequence begins each fall.

**223 Classical and Modern Physics**

**III. 3.** Final semester of the introductory physics sequence. Topics are chosen from modern and classical physics to complement those discussed in PHYS 121

## Physics

and PHYS 122. Prerequisites: PHYS 122 or permission of the instructor. Fall.

**224 Thermophysics. 3.** The thermal properties of matter are studied from the applied approach of thermodynamics and the theoretical analysis of statistical mechanics. Topics include the laws of thermodynamics, equations of state, first order phase transitions, partition functions, entropy and the quantum statistics of particles. Prerequisites: MATH 225, PHYS 223, or permission of the instructor. Spring.

**231-232 Experimental Physics I, II. 2, 2.** Intermediate-level laboratory course to develop experimental design and measurement techniques, data reduction and analysis methods and oral and written presentation skills. Experiments vary as equipment and technologies evolve. Prerequisites: PHYS 122 or permission of the instructor. Sequence begins each fall.

**290 Internship, 1-4.** May also be offered at the 390 level.

**320 Mathematical Physics (MATH 320). 4.** Introduces students to mathematical techniques of particular importance to scientists and engineers. Topics include: complex numbers, Fourier series and the solution of differential equations (with special emphasis on harmonic oscillators). Both analytical and numerical methods are studied. Prerequisites: MATH 225, PHYS 122 strongly suggested. Spring.

**331-332 Experimental Physics III, IV. 2, 2.** Advanced laboratory course to improve experimental design and measurement techniques, data reduction and analysis methods and oral and written

presentation skills. Experiments vary as equipment and technologies evolve. Prerequisites: PHYS 232 or permission of the instructor. Sequence begins each fall.

**420 Mathematical Physics II.** Mathematical topics of importance to students interested in theoretical physics are studied. Content varies depending on the background and interests of the students. Topics considered have included partial differential equations, Bessel functions, boundary value problems, the heat flow equation, the Poisson equation and wave equations. Both analytical and numerical solutions are studied. Prerequisite: MATH/PHYS 320. Offered on demand.

**421 Mechanics. 3.** The study of forces and energy and their effect on the motion of particles. Topics include the motion of a particle in a force field, the dynamics of rigid bodies, the detailed study of damped, forced and coupled oscillators. Newtonian and Lagrangian formulation of mechanics, as well as computational methods of solution will be studied. Prerequisites: PHYS 223, MATH/PHYS 320 or permission of the instructor. Offered in alternate years.

**422 Electromagnetism. 3.** The study of the theory of electric and magnetic fields and their interactions with matter. Topics include the use of vector calculus, Gauss's law, Ampere's law, diamagnetism, multipole fields and the law of Biot-Savart. Prerequisites: PHYS 223, MATH/PHYS 320 or permission of the instructor. Offered in alternate years.

**423 Quantum Mechanics. 3.** The study of the theory of the interaction of particles, waves and fields in atomic and subatomic systems. Topics include the

Schrödinger formulation, operator formalism and perturbation theory. Prerequisites: PHYS 223, MATH/PHYS 320 or permission of the instructor. Offered in alternate years.

**441 Advanced Modern Physics. 3.** Topics in applied modern physics including the hydrogen atom and other atomic systems, nuclear physics, condensed matter and elementary particles. PHYS 223, MATH/PHYS 320 or permission of the instructor. Offered in alternate years.

**442 Advanced Classical Physics. 3.** Advanced topics in classical mechanics and electromagnetism. Topics may include Hamiltonian mechanics, motions of particles in non-inertial reference frames, the Maxwell equations, electromagnetic radiation and the dynamics of relativistic particles and electromagnetic fields. Prerequisites: PHYS 421, PHYS 422, MATH/PHYS 320 or permission of the instructor. Offered on demand.

**443 Astrophysics.** The study of the application of physics to astronomical systems. Topics may include stellar structure and evolution, energy generation and nucleosynthesis, the interstellar medium, radiative transfer and degenerate stars. Prerequisite: Permission of the instructor. Offered on demand. Counts toward the astronomy concentration.

**Portfolio Development Courses.** Students enroll in portfolio development classes to pursue independent or small-group study to complete the work required in her or his individualized course of study.

This work may include text-based or literature research, laboratory work and computational research. The results of this

work will be presented to the faculty and other students for assessment before credit is granted.

**251-252, 353-354, 455-456 Portfolio Development I-VI. Variable credits.** Students will contract with the faculty members regarding the nature and extent of the project including number of pass-fail credits. Several students may choose to work together on the same or related material. CR/NC.

**450 Special Topics. 4.** May also be offered at 250 and 350 levels.

**460 Independent Study. 1-4.** May also be offered at 260 and 360 levels.

**461 Physics Research Seminar. 1.** All students writing theses or doing other research within the physics department are required to take this course in which students and faculty exchange suggestions, ideas and insights into their research. Does not count toward the major. Fall and Spring. CR/NC.

**470 Research, Thesis and Defense. 4.** Independent research projects that culminate, under guidance, in a well-defined research thesis. The thesis must be presented both orally and in writing. The thesis should be written in the standard form for technical papers in physics as currently set forth in Volume 10 of the *Journal of Undergraduate Research in Physics*; students are encouraged to present their papers at NCUR or another appropriate conference. Fall and Spring.

**480 Physics Department Seminar. 0.** All students taking PHYS 122 or above (except PHYS 211 and PHYS 212) are

## Political Science

required to attend the physics department seminar. During the semester, each student will give presentations on some aspect of the physics work on which he or she is currently working. Fall and Spring.

### **490 Honors Research, Thesis and Defense.**

**4.** Although enrollment is normally during the fall of the final year, the student is expected to begin work during the intermediate years on independent research projects that will culminate, under guidance, in a well-defined research thesis. The thesis must be presented both orally and in writing. The thesis should be written in the standard form for technical papers in physics as currently set forth in Volume 10 of the *Journal of Undergraduate Research in Physics*; students are encouraged to present their papers at NCUR or another appropriate conference.

## **POLITICAL SCIENCE (PSCI)**

*Kenneth E. Gilmore, assistant professor, chair*  
*George X. Guo, associate professor*

Political science is the study of politics and government. More broadly defined, it is the study of values, behaviors and institutions that relate directly or indirectly to the making of policy in society. It is concerned with the rights and responsibilities of citizens and the relations of people with their governments. At Guilford, political science is an integral part of the liberal arts curriculum. Perceived as both an art and a science, the discipline allows students to study political behavior in its ideological, cultural, historical and

institutional settings. The curriculum provides students with a broad knowledge of both domestic and foreign political institutions, processes and issues.

**Degrees Offered.** The Bachelor of Arts degree is offered in political science.

**Major Requirements.** Eight courses (32 credits) are required for the major. All majors must take four introductory courses in the discipline: The American Political System (PSCI 101), Comparative Politics (PSCI 205), International Relations (PSCI 103) and Classics of Political Thought (PSCI 203). These courses serve as the foundation for upper-level courses within each of the four tracks. Four additional political science courses must be taken to complete the major. Three of these four courses may be in a particular track within political science, including American Politics, International Relations, Comparative Politics and Political Theory. At least three courses for the major must be at the 300-level or above. It is recommended that students complete the introductory courses prior to taking advanced courses in the various tracks. In addition, one of the four required courses beyond the four core courses, must be a writing-designated course. Several 300- (at least two) and 400-level courses will be writing-designated each year.

Students interested in attending graduate school should consider writing a Senior Thesis (PSCI 470). Thesis topics should be submitted to departmental advisers for approval near the end of the junior year. Independent study, senior thesis and internship credits may satisfy only one of the eight required courses. All majors must complete four courses in a concentration outside of the department. This should be done in consultation with

advisers. Majors are encouraged to select concentrations related to their special interests or career plans after graduation. It is highly recommended that at least two of these courses be at the 300 level or above to ensure depth.

**American Politics Track.** The American politics track focuses on governmental and policy dynamics and debates within the United States. Students are exposed to the organization and behavior of the institutions, groups and participants in the American political arena. Students in this track investigate various public policies and political behaviors from a broad array of governmental and non-governmental institutions. Study in this track equips students for graduate studies in American politics and provides a foundation for careers in American government, teaching or other public policy sectors.

**International Relations Track.** International relations focuses on the manner in which states and other actors interact in the global arena. The track exposes students to a wide variety of methods, approaches and substantive concerns. This track equips students for graduate studies in international affairs and provides a foundation for careers in international business, diplomacy or other public policy sectors. Students interested in this track may also double-major in international studies or complete a concentration in African, East Asian or Latin American studies. Language courses are essential in this regard and, thus, are strongly encouraged.

**Comparative Politics Track.** The goal of comparative politics is to equip students with the concepts and methods

of research necessary for understanding the enormity of contemporary political, economic and social changes and to elucidate their significance. Students will apply practical research methods to examine policy processes and outcomes in different nations—in areas such as industry, education, health care, housing and social security. Other issues covered within the comparative politics track include political and economic development, the relationship between economic development and democratization, reform and revolution. Students interested in this track may also double-major in international studies or complete a relevant concentration. Language courses are essential in this regard and thus are strongly encouraged.

**Political Theory Track.** Political theory challenges students to confront the full history of political thought in order to sharpen and focus their analytical skills and to develop for themselves standards of judgment through which they can assess the relative merits of political systems and public policies. To this end, students in the political theory track pursue coursework and independent study in the following areas: the history of political ideas (such as freedom, obligation, justice, power and democracy); interpretation of political texts; and normative approaches to persistent political issues and problems. This track equips students for graduate study in political science and law as well as for various careers in community service and public policy.

**Departmental Honors in Political Science.** Majors with a grade-point average of 3.50 or better in the discipline and a 3.00 overall average may petition for admission into the departmental honors

## Political Science

program. Departmental honors require extensive reading in a selected area of the discipline and submission of an honors thesis written under the supervision of a member of the department. The honors program culminates in an oral examination evaluated by three members of the faculty, two of whom must be from the department, and an outside examiner. The designation of the course will be changed from Departmental Honors (PSCI 490) to Senior Thesis (PSCI 470) if the grade assigned is less than a B. Majors must petition for admission at the end of their junior year in the college. The political science faculty determines admission.

**Internships.** Many students elect to do an internship related to their political science studies. Students may participate in internships located in Greensboro, such as private law offices and local government agencies. Students may also elect to participate in The Washington Center or The Capitol Experience internship programs in Washington, D.C., or state-based internship programs such as the Institute of Government and the North Carolina Government programs. We strongly encourage students to engage in internships.

**Political Science and Teacher Education.** Political Science majors interested in licensure to teach social studies in public schools need to double-major in political science and education studies. Students should consult advisers in both departments to be certain that all requirements are satisfied.

**101 The American Political System. 4.** An introductory course designed to explain the basic processes and issues of the American political system. A particular emphasis will be placed on citizenship and public participation within a democracy. Fulfills social science requirement.

**103 International Relations. 4.** An introductory course designed to provide the basic theoretical tools and frameworks of analysis for understanding the behavior of states and other actors in the international system. Topics include the use of force, U.S. foreign policy, the causes of war and peace, the global political economy and resource and environmental issues. Fulfills social science requirement.

**202 Politics of State and Local Government. 4.** An exploration into government, politics and policies at the state and local levels of the U.S. federal system. Particular emphasis will be placed on North Carolina and Greensboro politics and government.

**203 Classics in Political Thought. 4.** An introductory course designed to critically analyze great works that reflect the fundamental themes and assumptions of Western political thought. Fulfills social science requirement.

**204 Introduction to Public Policy. 4.** An examination of the public policy process, including policy formulation, implementation and analysis. Attention will be paid to the problems of developing sound public policy in areas such as the budget, economy, social welfare, health, environment and national security. Fulfills social science requirement.

**205 Comparative Politics. 4.** An introductory course designed to introduce students to the methods and approaches to comparative analysis and apply them to the study of electoral politics, social movements and revolutions, political economy and the state in a variety of countries.

**215 Congress and Public Policy. 4.** This course examines the role of the Congress in U.S. politics, with a particular emphasis on representation and policymaking. Topics will include elections, behaviors of lawmakers and the policy consequences of legislative policymaking.

**225 The American Presidency. 4.** An examination of the office of the presidency, including its constitutional and political underpinnings, the selection process, presidential policymaking, relationships to other branches of government and the public and participation in foreign affairs.

**235 U.S. in Vietnam. 4.** An examination of American military involvement in Vietnam from 1941-1973, with an emphasis on the so-called "American Decade" (1964-1973) and the inability to translate a long string of tactical successes into a strategic victory.

**240 American Political Thought. 4.** An examination of some classic expositions of the moral foundations of American politics, with the intention of discovering what it means to be an American.

**270 The Politics of Nazi Germany. 4.** A study of the origins of National Socialism and the emergence of the Nazi regime, terror and engineered consent and the long-run consequences of Nazism.

**290 Internship. 1-4.** Recommended for all majors. College requirements apply. Details to be arranged between a student and a faculty member; schedules and nature of the work to be accomplished at the discretion of the instructor. May also be offered at the 390 level.

**300 Research Methods and Design. 4.** Introduction to the logic and techniques of political science research. Students are guided through the research process, from framing a research question, research design, locating and evaluating sources, analyzing and presenting data, to drafting and editing the final report.

**320 Contemporary Political Ideologies. 4.** A survey of contemporary political ideologies and an examination of the functional significance of ideology in political life. Liberalism, conservatism, nationalism, socialism, communism, anarchism and fascism will be analyzed, along with their impact on political behavior.

**325 Politics, Law, and the Environment. 4.** This course examines the political and institutional aspects of environmental and natural resource policymaking and implementation. Emphasis is primarily on national policy in the United States, but attention is also paid to international, state and local issues and controversies. Fulfills social justice/ environmental responsibility requirement.

## Political Science

### **330 International Political**

**Economy. 4.** An exploration of competing explanations for the changing relationship between political and economic power in international relations. Substantively, the course focuses on trade, finance, investment and debt and development issues. Fulfills social science requirement.

### **335 America and the World. 4.**

This course introduces students to some of the most critical problems facing America in the world today. Topics will vary, but will include issues such as peacekeeping and peacemaking, human rights, economic justice, criminal violence, democratization and threats to the environment.

### **345 Avoiding War, Making Peace.**

**4.** The aim of this course is to gain a better understanding of the conditions and processes that lead to international war and peace. This will be accomplished through a combination of theoretical and historical analysis.

### **375 Campaigns and Elections. 4.**

An examination of campaigns in the U.S., with attention paid to campaign organization and the role of the media. This course will focus on the particular election occurring during the semester the course is taught.

### **405 Departmental Seminar. 1-4.**

Reading and discussion of recent contributions to political science.

### **420 Solving Global Environmental Problems (IDS 410). 4.**

An interdisciplinary survey of international environmental issues, this course will examine the political, economic and social institutions and values relating to

environmental dilemmas. Topics will include globalization, sustainable development, human rights, trade and non-governmental organizations.

### **425 Gender and Politics. 4.**

An exploration of the intersection between gender and politics and constructions of masculinity and femininity. Topics include identity, language and media, human rights and war, work and economics and sexuality and violence. This course analyzes politics and gender at both national and international levels.

### **430 National Security Policy. 4.**

An examination of the evolution of American national security policy with an emphasis on the post-Cold War period. Emphasis will be on identification of threats and adversaries, strategy, intelligence and policy formulation.

### **435 Constitutional Policies and the Judicial Process: Constitutional Law I (JPS 435). 4.**

An analysis of the structure and functions of judicial systems, emphasizing the role of the courts and judges in the policy-making process, the relationships among legislative and executive branches and the states.

### **436 Civil Rights and Liberties: Constitutional Law II (JPS 436). 4.**

An analysis of the role of the federal judiciary in expanding civil rights and liberties. Topics will include First Amendment protections, the right to privacy, rights of the criminally accused, racial and sexual equality and affirmative action. Fulfills social justice/environmental responsibility requirement.

**445 Globalization and Its**

**Discontents. 4.** This course analyzes the impact of trade, financial flows, technology and regional integration on the domestic politics of advanced and emerging countries. Case studies include the European Union and western European states, the United States, Japan and Brazil.

**450 Special Topics 4.** A recent topic offered is Global Inequality. An interdisciplinary exploration of the relationship between economic development and income equality. This course examines the various explanations for the gap between rich and poor countries in the international system, as well as income inequality within specific developing countries. May also be offered at 250 and 350 levels.

**460 Independent Study. 1-4.** Reading programs, tutorials or field projects arranged between a student and a faculty member; schedules and nature of the work to be accomplished at the discretion of the instructor. Also offered at the 260 and 360 levels.

**470 Senior Thesis. 4.** Required of all students planning to enter graduate school. See department chairperson for rules and standards.

**490 Departmental Honors. 4-8.** College requirements and specific rules and standards of political science may be obtained from department chairperson.

**PSYCHOLOGY (PSY)**

*Jerry Caris Godard, Dana professor of psychology and literature, emeritus, chair*  
*Richard L. Zweigenhaft, Dana professor of psychology*  
*Kathryn A. Adams, professor*  
*Claire K. Morse, professor*  
*Karen M. Tinsley, assistant professor*

The program in psychology emphasizes the contribution psychology can make to a liberal arts education through stimulating intellectual development, personal growth, respect for others and social responsibility.

The psychology curriculum is designed to familiarize the student with current methods and theories in areas of investigation such as learning, personality, social interaction, motivation, perception and development. The student is encouraged to appreciate different approaches and points of view and to see how clinical and laboratory methods supplement each other.

A student majoring in psychology may expect to develop rigorous habits of observation with reference to psychological phenomena; to become aware of the need for statistical knowledge in the manipulation of psychological data; to avoid the simple explanation; and to recognize the role of multiple causation in the determination of human behavior. With the realization of the enormous complexity of personality and social interaction, the student should come to demonstrate greater objectivity and increased competence in dealing with others.

**Degrees Offered.** The Bachelor of Arts degree is offered in psychology.

## Psychology

**Major Requirements.** A major in psychology consists of eight courses (32 credits). Three of these are required of all majors: General Psychology (PSY 100), Research Methods (PSY 301) and the senior seminar, History and Contemporary Issues (PSY 445). Of the remaining five courses, three must be at the intermediate or advanced level (300 and above). Majors should consult with their departmental advisers regarding the selection of their courses. Interested students are encouraged to consider the possibility of a double major or a joint major. A list of alternative plans and detailed course sequences for pursuing a major may be obtained from the student's adviser or any other member of the department.

Field experiences are strongly encouraged. Recent majors have received credit through internships for activities such as work in the community with autistic, retarded and emotionally disturbed children; with the elderly; with children at the Y.W.C.A. and a local shelter for homeless families; and with such organizations as Switchboard and the Crisis Control Center.

Similarly, the department encourages students to pursue their interests through independent studies in specific topics not offered as regularly scheduled courses. Should a student wish to undertake original research, the department offers assistance toward presentation of papers at professional meetings and/or publication. The department offers guidance toward graduate training.

### **100 General Psychology. 4.**

Introduction to the science of behavior including study of motivation, learning and remembering, the brain, perception and thinking, social processes and behavior disorders. Fulfills social science requirement.

### **213 Class, Race and Gender (SOAN 213). 4.**

The study of socioeconomic class, race, and gender and the complex ways that these three interact. Fulfills diversity in the U.S. requirement. Taught each year in the spring semester.

### **217 Literacy Seminar. 2.**

Students are trained as literacy tutors and spend four hours per week tutoring in community literacy programs. Wider issues of literacy and related problems are considered. CR/NC.

### **224 Developmental Psychology. 4.**

Psychological aspects of human growth and development from conception through death, with emphasis on emerging capacities, expanding behavior and increasingly complex social interactions. Includes field work. Fulfills social science requirement.

### **232 Introduction to Personality. 4.**

The study of personality from a variety of perspectives; emphasis on different theories, techniques of assessment and research. Fulfills social science requirement.

### **241 Mass Media. 4.**

The study of mass media, including the impact of mass media on the ways we conceptualize the world, and the impact of mass media on the ways we behave. The course will look at a variety of media, including books and magazines,

television, radio, film and the Internet. Offered once a year (in the fall one year and in the spring the next).

### **242 Psychology of African**

**Americans. 4.** The study of African Americans from a psychological point of view, with emphasis on theories, research and models as they pertain to African Americans. The course examines a variety of issues, such as: ethnic identity, personality traits, nonverbal communication, racism, mental health and the legal system. Fulfills diversity in the U.S. requirement. Offered once a year (in the fall one year and in the spring the next).

### **270 Interpersonal Communications (JPS 270). 4.**

**290 Internship. 1-4.** Field experiences which are individually arranged so that students can become directly involved in work within the community. Highly recommended for all majors. May also be offered at the 390 level.

**301 Research Methods. 4.** Application of methods for collecting and handling behavioral science data and for drawing inferences from such data. Prerequisite: PSY 100.

**332 Industrial and Organizational Psychology. 4.** Application of psychology to problems of employee selection, motivation, training, work environment and human relations in business, industry and other organizations. Prerequisite: PSY 100.

**336 Exceptional Children and Adolescents. 4.** Psychological characteristics and educational needs of exceptional children and youth, including

the mentally retarded, intellectually superior, physically challenged and emotionally disturbed. Includes field work. Prerequisite: PSY 224. Alternate years, beginning 2003.

**337 Emotional Disturbances in Childhood and Adolescence. 4.** Childhood and adolescent problems encountered by clinical psychologists, special education teachers, social workers, counselors and school psychologists examined in the context of normal child development. Emphasis is on psychological factors in deviant and disturbed behavior and treatment procedures. Includes field work. Prerequisite: PSY 224. Alternate years, beginning 2002.

**340 Psychobiology (BIOL 340). 4.** Study of behavior from a biological point of view. Focus on the structure and function of the nervous system and on the relationships between behavior and the nervous system. Laboratory work. Prerequisites: two prior courses in biology and/or psychology. Alternate years, beginning 2002.

**342 Abnormal Psychology. 4.** Abnormal behavior studied in the context of modern life; genetics, sociocultural milieu and learning in the development and amelioration of behavioral abnormality. Prerequisite: PSY 100 or 232.

**343 Sensory Systems (BIOL 343). 4.** Detailed study of each of the major sensory systems, including the anatomy and physiology of each system, an analysis of the stimulus and measurements of sensory abilities. Laboratory work.

## Psychology

Prerequisites: two prior courses in biology and/or psychology. Alternate years, beginning 2003.

### **344 Environmental Psychology. 4.**

Study of the impact of human knowledge, attitudes and behavior on environmental problems and their solution. Fulfills social justice/environmental responsibility requirement. Prerequisite: PSY 100 or ENVS 100. Alternate years, beginning 2003.

### **345 Health Psychology. 4.**

Study of behavioral factors in illness and disease and the application of psychological principles to wellness, prevention and recovery from illness. Traditional and alternative treatment approaches are considered; the impact of stress on various bodily systems is emphasized. Alternate years.

### **346 Learning and Behavior**

**Modification. 4.** Theory and application of principles of conditioning and complex learning, including principles of reinforcement and stimulus control. Includes consideration of biological influences on the range of learned behaviors as well as introduction to cognitive approaches. Prerequisite: PSY 100. Alternate years, beginning 2002.

### **347 Social Psychology. 4.**

Factors affecting the behavior of the individual in the social setting; laboratory and field research in social interaction. Prerequisite: PSY 100.

### **348 Cognitive Psychology. 4.**

Study of the structures of thinking (such as concepts and schemas), the uses of thinking (such as reasoning and decision-making) and remembering and forgetting. Prerequisite: PSY 100. Alternate years.

### **349 Multiculturalism and Psychology. 4.**

Examines various areas in which multiculturalism has been applied, such as education, mental health and counseling and inter-group relations. Students investigate cultural differences in development, examine cultural and personal identity and explore ways of improving relations among cultures. Fulfills diversity in the U.S. requirement. Prerequisite: PSY 100.

### **445 History and Contemporary**

**Issues. 4.** Selected theoretical and methodological issues of contemporary psychology viewed in historical perspective. Prerequisites: PSY 301 and senior standing.

### **450 Special Topics. 4.**

Recent offerings include "The American Upper Class" and "Family Ghosts." Prerequisites vary. May also be offered at 250 and 350 levels.

### **460 Independent Study. 1-4.**

Intensive reading and/or independent research on a topic of interest to the student. By departmental approval. May also be offered at 260 and 360 levels.

### **470 Senior Thesis. 4.**

Major research project designed and conducted under the supervision of a faculty member.

### **490 Departmental Honors. 4-8.**

## RELIGIOUS STUDIES (REL)

*David Landis Barnhill, Dana professor of  
religious studies, chair*

*John H. Stoneburner, E.F. Craven  
professor of religious studies*

*Shelini Harris, assistant professor*

Religious studies at Guilford explores the mystery and meaning of our existence as selves in the many aspects of the social and natural world. We seek to nurture wonder, insight, clear and creative thinking, to understand humanity's destructive ways with others and the environment, and to imagine ways of mending the world. We want to open heart and mind to the sacred and the problematic in our world today and historically. The burning issues we address are forms of social oppression and environmental destruction, the nature of the divine and the human condition, the development and practice of religious traditions and the meaning of the religious. We aim to draw forth leadership potential in all students to enable them throughout their lives to be agents of change where they find themselves, overcoming injustice and engendering the fullness of life. The Quaker context of Guilford is fundamental to our ways of teaching. All classes expect and enable students to discover the resources within to engage truth and to take responsibility for their learning and living in this world in ways that foster peace, simplicity, integrity, equality and community.

Education in religious studies begins from where each student is, descends to the radical center and draws forth each student's energies of creative, critical and ethical responses in personal engagement with the multifarious issues of religious

studies. Our teaching intends both to challenge and support the process of learning as mind-expanding and transforming. We work intensely on developing capacities of thinking orally and in writing, of listening and of working together as well as in solitude. We do this not only for self-development and to know truth, but for the good of the community of being.

Religious studies employs many methodologies, such as the theological, philosophical, historical, ethical, literary, psychological, socioeconomic and anthropological. Exploring religion is inherently interdisciplinary; we consider the interconnections in all our courses and require one explicitly interdisciplinary course for the major. We emphasize careful interpretation of significant works from a variety of religious and ethical traditions. Our global context includes the West, the Middle East, the Far East, Latin America and indigenous peoples. The formats for learning emphasize seminar discussions, supplemented with individual reading and writing and student collaboration, lectures, role-playing, film analysis and internships for social service and social action.

The careers our majors enter upon after graduation, often after circuitous journeys, are quite diverse—teaching, law, service and social work, the ministry, counseling, religious education, art, business, government and non-governmental organizations.

Courses are offered at different levels, each of which has specific expectations and goals. The 100-level courses are introductory, designed for first-year and sophomore non-majors. They are accessible to entering first-year students, though perhaps with some difficulty. Normally only one 100-level course can count toward the major.

## Religious Studies

The 200-level courses are advanced introductory courses that function as core courses for the major. They are designed to serve as initial courses in the department for sophomores, juniors, seniors and for beginning majors. Majors normally take several courses at this level.

The 300-level courses are designed for majors and for upper-level students with a strong interest in the subject matter and a background in the humanities. REL 310 courses have no prerequisites, but assume an ability to integrate disciplines in a sophisticated manner. Other 300-level courses are designed primarily for majors and assume at least one course in religious studies. Courses are usually offered in a seminar format that requires active participation by all class members. Majors should have several 300-level courses.

The 400-level courses are small seminars that usually examine one or a few thinkers or issues in depth. They are designed for advanced majors or, by permission, exceptionally interested and qualified non-majors.

**Degrees Offered.** The Bachelor of Arts degree is offered in religious studies.

**Major Requirements.** The major can be completed by fulfilling one of three tracks: Western, comparative or self-designed. In both the Western and comparative tracks, students take at least one course in each of six areas:

### I. Contemporary Issues

- REL 120: American Nature Writing
  - REL 212: Existentialism and the Death of God
  - REL 220: Belief and Unbelief
  - REL 222: Feminist Theology
  - REL 415: Contemporary Theology (required of students in the Western track)
  - REL 422: Contemporary Religious Problems
- ### 2. Biblical Studies
- REL 215: Hebrew Bible
  - REL 216: New Testament
- ### 3. Ethics
- REL 103: Voices of Liberation
  - REL 203: Buddhism, Ecology, Society\*
  - REL 205: Ethics and Human Nature in Chinese Thought\*
  - REL 206: Chinese Religions and Ecology\*
  - REL 222: Feminist Theology
  - REL 233: Peace, War and Justice
  - REL 312: Humanistic Ecology
  - REL 313: Nature, Culture and Religion
  - REL 330: Nonviolence—Theories and Practice
  - REL 350: Globalization from an Ethical Perspective
  - REL 350: Human Rights
- ### 4. Comparative Religions
- REL 103: Voices of Liberation
  - REL 106: Religious Meaning in Japanese Film and Literature
  - REL 203: Buddhism, Ecology, Society\*
  - REL 204: Islam
  - REL 205: Ethics and Human Nature in Chinese Thought\*
  - REL 206: Chinese Religions and Ecology\*
  - REL 250: Native American Religions
  - REL 250: Hinduism
  - REL 310: Islam and Modernization\*
  - REL 311: Religion, Literature and Nature in Japan\*
  - REL 313: Nature, Culture, Religion\*
  - REL 314: Religion, Aesthetics and Nature in China

- REL 350: Globalization from an Ethical Perspective
  - REL 350: Human-Rights
5. Western History
- REL 101: History of Religion in America
  - REL 110: Quakerism
  - REL 235: Quaker Origins
  - REL 337: History of Christianity (required of all majors)
6. Interdisciplinary Perspectives
- REL 310: Islam and Modernization\*
  - REL 311: Religion, Literature and Nature in Japan\*
  - REL 312: Humanistic Ecology
  - REL 313: Nature, Culture, Religion\*
  - REL 314: Religion, Aesthetics and Nature in China
  - REL 350: Globalization from an Ethical Perspective

\* *Courses may count simultaneously in one of the six areas and as one of the comparative courses.*

Western-track students may count a maximum of two comparative religion courses toward the eight required courses. Students in the comparative track take at least four comparative courses and at least three Western courses (REL 215 or 216, REL 337 and a contemporary issues course). In addition to courses in these six areas, majors in the Western and comparative tracks are required to take the Junior Year Colloquium (REL 395) plus two additional elective courses, for a minimum total of 33 credits in the major.

The self-designed track is for majors who want to create their own program with a specific focus, such as ethics (for

example, race, war, gender, class, environment), religion and interdisciplinary studies (for example, religion and literature, religion and the natural sciences) and philosophy of religion (the nature of the religious or the nature of the different methodologies used in religious studies). Students opting for this track must have demonstrated the ability to engage in substantial independent reflections on religion and must show a sufficient understanding of religious studies and their place within it in order to create their own course of study. In formulating their track, students articulate how their religious studies courses interrelate into a coherent course of study and how they contribute to the chosen focus.

Each self-designed course of study is formulated in conjunction with the student's adviser and is approved by the department as a whole. It is expected that every self-designed course of study will involve at least one course from each of the department's faculty and at least four upper-level courses (300s and 400s). Majors in this track are required to take the Junior Year Colloquium (REL 395) and have a minimum total of 33 credits in the major. Applications for the self-designed track are normally submitted by the first semester of the student's junior year.

The major offers further opportunities for specialized study through independent studies, senior theses and internships. The Frederic and Margaret Crownfield Prize is awarded annually to the student writing the best paper in religious studies.

## Religious Studies

### **100 Myth, Dream, Metaphor. 4.**

**101 History of Religion in America. 4.** Exploration of the interaction of American religion and culture. Examines aspects of the religious traditions of Native Americans, African-Americans, Roman Catholics, Jews and Protestants and the shift from a white Protestant to a pluralist America. Fulfills humanities and diversity in the U.S requirements.

**103 Voices of Liberation. 4.** Explores the complex and different forms that oppression takes around the world. The special focus is on religion and how it sometimes serves as a tool for liberation as well as for oppression at the same time. Moves from Martin Luther King Jr., to Gandhi, Islamic reformist liberation theology, and works by such writers as Ghanaian theologian Mercy Oduyoye and Thai Buddhist Sulak Sivaraksa. Fulfills humanities and social justice/ environmental responsibility requirements.

**106 Religious Meaning in Japanese Film and Literature. 4.** A close examination of six Japanese films (*Rashomon*, *Throne of Blood*, *Ikiru*, *Fires on the Plain*, *Harp of Burma* and *Woman in the Dunes*) and their literary sources (including *Macbeth*). Several definitions of religion are critically applied to the films in order to discover religious meaning in the films and texts and to question our understanding of the nature of religion. Fulfills intercultural and humanities requirements.

**109 QLSP Freshman Seminar. 1.**  
CR/NC

**110 Quakerism. 4.** Origins and development of the theology, social testimonies and institutional structure of the Quaker movement from the mid-17<sup>th</sup> century to the present and their relevance to non-Quaker thought and life. Fulfills humanities requirement.

**120 American Nature Writing: The Sacred Earth. 4.** Examines literary nature writing in America, with a primary focus on the different ways writers have presented the natural world as sacred, including the influence of East Asian religion and literature. The nature essays consider both our current estrangement from nature and possibilities for developing intimacy with the earth and a sense of "place." Fulfills humanities and social justice/ environmental responsibility requirements.

**200 Native American Religion. 4.**  
Fulfills humanities and diversity in the U.S. requirements.

**203 Buddhism, Ecology, and Society. 4.** An advanced introduction to Buddhist ideals and values and Buddhism's critique of normal consciousness and behavior. Examines the tradition in the context of contemporary environmental philosophy and social theory, providing a Buddhist perspective on ecological and social issues while bringing an ecological and social perspective to Buddhism. Fulfills humanities and either intercultural or social justice/ environmental responsibility requirements.

**204 Islam. 4.** Examines the historical origins of Islam through a study of Muhammad, the Qur'an, and the basic acts of faith. Introduces students to some of

the variety within Islam through examining Sunni, Shi'a, Sufi and popular Islam as modes of religious expression. Fulfills intercultural requirement and humanities requirements.

**205 Ethics and Human Nature in Chinese Thought. 4.** An examination of major representatives of Confucian thought. Focuses on the issue of the relationship between human nature and morality by examining four Confucian philosophers (Confucius, Mencius, Hsun Tzu and Wang Yang-Ming) as well as the Taoist, Chuang Tzu. Fulfills intercultural and humanities requirements.

**206 Chinese Religions and Ecology. 4.** An advanced introduction to Taoism and Neo-Confucianism, focusing on their views concerning cosmology, the philosophy of nature and the ideal human relationship to the natural world. The study of these traditions is placed within the context of contemporary ecological thought, and students explore the significance of these traditions to current environmental issues. Fulfills humanities and either intercultural or social justice/ environmental responsibility requirements.

**209 QLSP Sophomore Seminar. 1.**  
CR/NC

**212 Existentialism and the Death of God. 4.** An investigation of freedom, self, death and God in the works of Christian, Jewish and atheistic Existentialist thinkers such as Sartre, Marcel, Buber, Camus, Keen, Tillich and Arendt. Fulfills humanities requirement.

**215 Hebrew Bible. 4.** An examination of the Hebrew Bible with a dual focus: an exploration of religious expression

through a consideration of literary style; and a study of the nature and possibility of historical reconstruction of Israelite political forms, economic structures, religious institutions and social structure. Fulfills humanities requirement.

**216 New Testament. 4.** Explores the literature of the New Testament, emphasizing the manner in which each writer tries to express an understanding of the person and work of Jesus in relation to the early Christian community. Fulfills humanities requirement.

**220 Belief and Unbelief. 4.** An examination of the intellectual and moral critiques that such thinkers as Darwin, Marx, Freud and Camus have made about religion, and the responses of such theologians as Cobb, Niebuhr, Gutierrez, Reuther, Heschel and Tillich. Fulfills humanities requirement.

**222 Feminist Theology. 4.** An exploration of 19<sup>th</sup>- and 20<sup>th</sup>-century feminist religious and theological writers. Considers such issues as the role of religious systems both in establishing and sustaining sexism and in being agents of transformation and justice; sexism and God-language; patriarchal and egalitarian views of human nature; women and ritual; and feminist views of society. Fulfills humanities and social justice/ environmental responsibility requirements.

**233 Peace, War and Justice. 4.** Explores models of social ethics focusing on issues of war, violence, peace, social justice, nonviolence. Focuses primarily on 20<sup>th</sup> century writers such as Reinhold Niebuhr, Gustavo Gutierrez and Mohandas Gandhi and applies their ideas to contemporary problems and situations.

## Religious Studies

Fulfills humanities and social justice/  
environmental responsibility requirements.

**235 Quaker Origins. 4.** An investigation of the emergence of Quakerism out of Puritan, Reformation and mystical backgrounds. Focuses on the development of Quakerism in the latter half of the 17<sup>th</sup> century in terms of theology, social testimonies and institutional organization and its relevance to non-Quaker currents of thought and life, both then and now.

**251 Primitive Myth. 4.** Fulfills humanities requirement.

**290 Internship, 1-4.** May also be offered at the 390 level.

**309 QLSP Junior Seminar. 1.**  
CR/NC

**310 Interdisciplinary Perspectives. 4.** An exploration of problems lying on the boundaries between religion and the natural or social sciences and the humanities. Topics may include Freud, Jung, Rank (with psychology); science and religion (with chemistry or geology); Dante, Arthurian myth, modern poetry and religion (with English); African American literature and religion; Islam and modernization. With changes in content, may be repeated more than once. REL 311, 312, and 313 are also courses in Interdisciplinary Perspectives. May fulfill humanities and intercultural requirements.

**311 Religion, Literature, and Nature in Japan (IDS 406). 4.** An interdisciplinary seminar on the views of nature in the writings of Matsuo Basho, a Japanese writer of the 17<sup>th</sup> century. Explores the various religious, literary and

aesthetic traditions in China and Japan that influenced Basho and places his writings in the context of contemporary American nature writing and Western views of nature. Fulfills intercultural requirement.

**312 Humanistic Ecology (IDS 427). 4.** An interdisciplinary seminar on major trends in contemporary environmental philosophy and ecological spirituality. Focuses on deep ecology and ecofeminism, and also considers bioregionalism, gaia theory, social ecology and stewardship. Fulfills social justice/environmental responsibility requirement.

**313 Nature, Culture, Religion (IDS 412). 4.** An interdisciplinary seminar on the relationship between human culture, the natural world and religious values and practices. The first half of the course focuses on ecological anthropology, with particular attention to Native Americans; the second half examines the highly eclectic vision of nature and culture in the writings of the American poet and essayist Gary Snyder. Fulfills social justice/environmental responsibility requirement.

**314 Religion, Aesthetics and Nature in China (IDS 416). 4.** An interdisciplinary consideration of Chinese aesthetic theories and their views of nature. The course examines treatises of nature poets and writings by landscape painters, focusing on the importance of nature as subject of artistic production as well as source of aesthetic creativity. Fulfills intercultural requirement.

**330 Nonviolence: Theories and Practice. 4.** An exploration of social ethics focusing on nonviolent expression in a variety of religious and secular traditions (Christianity, Hinduism,

Buddhism, social science, feminism, etc.). Emphasis on a global context for developing one's own ethic of nonviolence by developing techniques of nonviolent response and creating symbol systems appropriate to nonviolence. Prerequisite: one course in religious studies or peace and conflict studies, or consent of instructor. Fulfills social justice/environmental responsibility requirement.

**337 History of Christianity. 4.** Traces the development of Christianity from its beginnings through the end of the 19<sup>th</sup> century by a consideration of major thinkers, events and institutions. Prerequisite: two religious studies courses or consent of instructor.

**395 Religious Studies Colloquium. 1.** Students reflect collectively on the study of religion and its relationship to the liberal arts, to their own college career and to life outside of college. Students complete an intellectual autobiography to further their self-understanding as students of religion. For majors in their junior year.

**400 Women, Body, Voice (IDS 413). 4.**

**409 QLSP Senior Seminar. 1 (each semester).** CR/NC

**415 Contemporary Theology. 4.** The contemporary Christian theological analysis of and struggle with the nature of self and God is examined in relation to forms of social domination (sexism, racism, classism, militarism and anti-Judaism) through consideration of religious thinkers such as H.R. Niebuhr, Rueher, Keller, Heyward, Nelson, Cone, Cannon, Boff and van Buren. Prerequisite: REL 337 or consent of instructor.

**422 Contemporary Religious Problems. 4.** An exploration of one major contemporary thinker or problem, such as Religion, Language and the Body (Merleau-Ponty); God and Language (Wittgenstein); or Religion and Symbol (Ricoeur). With changes in content, this course may be repeated more than once. Prerequisite: consent of the instructor.

**450 Special Topics. 4.** Possible offerings include Feminine Images in Biblical and Christian Literature; Propheticism: Archaic, Biblical and Modern; Passion: From Plato to Polanyi; or Social Reform and Personal Therapy: 19<sup>th</sup> - and 20<sup>th</sup> -century American Religion. May also be offered at 250 and 350 levels.

**460 Independent Study. 1-4.** The individual formulation and completion of the study of a significant problem in the field of religion, such as Play, Celebration and Worship; Existential Psychology; Alchemy; Contemporary Social Change in the Church; Creativity and Imagination; or Women in Modern Japanese Religion. May also be offered at 260 and 360 levels.

**470 Senior Thesis. Credit variable.** Individual study culminating in a thesis, which, in consultation with the adviser, may be submitted for departmental honors. Requires a prior semester's preparation (a 2- or 4-credit independent study) that can be counted either as a REL 460 or as part of the Senior Thesis (REL 470).

**490 Departmental Honors. 4-8.** Requires a 3.5 average in courses in Religious Studies and a senior thesis or the equivalent.

## SOCIOLOGY AND ANTHROPOLOGY (SOAN)

*Edwina Laban Gwako, assistant professor, chair*

*Maria Luisa Amado, assistant professor*

*Kathryn Schmidt, assistant professor*

Sociology and anthropology study society and culture. Since people live every aspect of life within a complex, sociocultural environment, it is possible to develop the self fully only with extensive knowledge of that environment. Sociology and anthropology help provide specific knowledge and theoretical frameworks as bases for understanding our relationships with society, culture and each other and for comprehending and guiding sociocultural change.

The Department of Sociology and Anthropology uses the methods, theories and content of both fields in a scientific and humanistic context that emphasizes an objective appraisal of social life, concern for its quality and techniques for its improvement. Career preparation is important in the department and is based on the conceptualization of sociology and anthropology as both humanistic and scientific. By engaging students in the critical analysis of the institutions and human practices that produce and reproduce social structures, cultures and individual identities, students should be equipped with a perspective that enables them to analyze, comprehend and offer creative solutions for personal and organizational dilemmas, as well as larger social problems.

During the college years, there are many opportunities for internships with various kinds of private and public agencies, independent study projects,

off-campus seminars, special topics seminars and honors work. There are ample opportunities to study with instructors who are seriously concerned with the best development of each student and who have made major commitments to high-quality teaching. A semester or a summer of study abroad or in a markedly different part of the student's own culture also is encouraged to help strengthen the cross-cultural perspective.

In addition to the specific content listed, each course focuses to some extent on social processes, especially those that help to create and resolve social problems.

**Degrees Offered.** The Bachelor of Arts degree is offered in sociology and anthropology.

**Major Requirements.** The major consists of eight courses (32 credits), four of which are specifically required courses: one 100-level course in sociology (101 or 102), one 100-level course in anthropology (103 or 104), a research methods course (either SOAN 338 or 339) and a course in social theory (either SOAN 340 or 341). In order for students to have varying degrees of challenge in their programs, four courses must be taken at the 300 and 400 levels, with enrollment in at least one 400-level capstone seminar after completion of the methods-theory sequence. We recommend that students limit their selections to two 100-level courses, but the following exceptions are admissible:

- Students tracking in sociology may choose to take both SOAN 101 and SOAN 102 and either SOAN 103 or 104.
- Students tracking in anthropology may choose to take both SOAN 103 and 104 and either SOAN 101 or 102.

Additional courses offered by the department can be taken as electives or to meet certain college distribution requirements.

Beyond the four courses specifically required, the variety of offerings makes it possible for each student to tailor a program to individual interests and long-range plans. These plans may be implemented by various emphases within the sociology/anthropology program: students may train for a wide range of careers, may prepare for graduate school or may seek certification for elementary school teaching. A concentration, arranged with the help of an adviser, can support and broaden the emphasis in the major.

**101 Principles of Sociology. 4.** The most significant principles developed in the field illustrated through problems and cultural area studies; scientific approaches to the study of society, culture, social structure and social processes. Fulfills social science requirement.

**102 Social Problems. 4.** Develops a comprehensive understanding of the process of defining social problems and a conceptual frame of reference for the study of major contemporary problems. Significant content is focused on understanding the sociological perspective. Fulfills social science and social justice/ environmental responsibility requirements.

**103 Cultural Anthropology. 4.** Introduction to the study of culture and society in comparative perspective. Utilizes various approaches of anthropologists and data from societies around the world in order to illustrate the nature and functions

of culture and social structures. Fulfills social science requirement.

**104 Tribes, States, Global Society.**

**4.** This course uses the comparative method of anthropology to take a long view of human history in order to examine social justice and human relationship to the environment in historical perspective across four periods of human existence: gathering and hunting bands; more complex tribal organizations associated with domesticated plants and animals; intensive agriculture and the development of the state; and industrial production in a global system. Fulfills historical perspectives requirement.

**213 Class, Race, Gender (PSY 213). 4.**

**215 Anthropology of Slavery. 4.** Examines slavery in a comparative sociocultural perspective; covers Africa (80%), North America (5%) and the rest of the world (15%). Explores explanations for the causes of slavery, debates over what practices should be labeled "slavery" and which should be placed in other categories of servitude and how slavery affects individual understanding of self in various sociocultural contexts. Fulfills intercultural and social justice/ environmental responsibility requirements.

**217 Literacy Seminar. 2. CR/NC.**

**225 Culture and the Environment.**

**4.** Humans continue to destroy their environment in spite of the evidence that they are doing so at the expense of their collective future. The central premise of this course is that this problem cannot be fully understood without reference to culture and the cultural values that shape the way

## Sociology and Anthropology

people perceive and interact with their environment. This course explores the ways in which people of different cultures understand their environment and their own place within it.

### **229 The Social Organization of Work.**

**4.** Analyzes the labor process as a central and defining human activity.

Explores the organization and allocation of paid and non-paid work in historical perspective, with a focus on the significance of individuals' experience of work processes and workplace relationships.

### **235 African Families in Transition.**

**4.** This course places African families at the center of an anthropological exploration of the myriad ways of family formation and the dynamic nature of how family is defined cross-culturally. It explores how families in different African societies have adapted and continue to adjust to the changing circumstances brought on by colonialism and post-colonial conditions. Fulfills intercultural requirement.

### **265 Racial and Ethnic Relations**

**(JPS 265).** **4.** A comprehensive exploration of the experience of different racial and ethnic groups in the United States and the social relations they have established with each other. The examination starts from their countries of origin, moves to their initial migration and settlement and concludes with analysis of their current economic, social and cultural situations. Fulfills diversity in the U.S. requirement.

### **275 Contemporary Mexico:**

**Rebellion and Democracy.** **4.** The course explores the major political and social changes that have deeply affected Mexico in the past three decades. It first

provides a general introduction to the history of Mexico in the 20<sup>th</sup> century; then, it analyzes the logic, functioning and social roots of Mexico's political system, as well as the different social movements that have contributed to a current process of political and social democratization. Fulfills intercultural requirement.

**290 Internship.** **4.** Supervised and reported experience in social agencies, organizations or related institutional services. Only four credits may count toward major. May also be offered at the 390 level.

### **313 Sociology of Sex and Gender.**

**4.** Explores the social construction of masculinity and femininity within specific socio-historical contexts, with emphasis on identity formation and structural discrimination. The social organization of sexuality and gender relations within institutions such as the family, labor force and health care are also explored. Prerequisite: SOAN 101 or 102.

### **315 Economic Anthropology (IDS**

**425).** **4.** Explores the most central anthropological issues of human nature, choice, values, morality, peoples' economic lives, issues of poverty and development that shape the world. The course examines production and distribution of economic goods in various societies and compares theories from economics, sociology and anthropology. It provides a solid basis for applying anthropological knowledge to real-world situations.

### **321 Development Anthropology.**

**4.** Comparative study of planned and unplanned development, particularly as it affects rural and traditional societies. Emphasis upon the intersection of capital

and technological changes, and inequalities predicated on ethnicity, class and gender.

Prerequisite: SOAN 103.

### **338 Ethnographic Methods. 4.**

Examines the anthropological research method of ethnography and prepares students to conduct and evaluate ethnographic research. Explores theoretical and ethical issues of the ethnographic method and involves students in the process of data collection, analysis and writing ethnographic reports. Open only to majors or by consent of instructor.

Prerequisite: SOAN 101 or 102 and SOAN 103.

### **339 Sociological Methods. 4.**

Examines the scientific method; the philosophy, logic and potential of sociological research. Introduces the theoretical and ethical issues related to research methods and techniques of sociology, including survey analysis, interviewing and participant observation. Open only to majors or by consent of the instructor. Prerequisites: SOAN 101 or 102 and SOAN 103.

### **340 Anthropological Theory. 4.**

Examines theoretical models from early philosophical bases, with primary focus on 19<sup>th</sup>- and 20<sup>th</sup>-century sociocultural theorists and the development of central anthropological paradigms. Emphasis on the integration of classical and contemporary theory into useful frameworks for understanding individual social development, social organization and social change. Open only to majors or by consent of the instructor. Prerequisites: SOAN 101 or 102 and SOAN 103.

### **341 Sociological Theory. 4.**

Explores the history of sociological thought, with an emphasis on the relationship of the biography of theorists to their theoretical contributions. Primary focus on 19<sup>th</sup>- and 20<sup>th</sup>-century social theorists and the development of central sociological paradigms. Open only to majors or by consent of the instructor. Prerequisites: SOAN 101 or 102 and SOAN 103.

### **345 Personal and Social Change. 4.**

Utilizes various models to examine the processes of culture change. Explores role of individuals in social change. Looks at practitioners of change and explores value implications of different models as well as strategies for intervention. Prerequisite: SOAN 101, 102, or 103.

### **346 Mediation and Conflict**

**Intervention. 4.** Prepares students to be effective mediators in conflict by providing a blend of theory and practice in the models and skills of third-party intervention. Explores key concepts, analytical frameworks and different models within the ADR (Alternative Dispute Resolution) movement; includes required lab period and a weekend mediation training workshop. Prerequisite: SOAN 101, 102, or 103, or permission of instructor.

**358 African Cultures. 4.** Survey of traditional culture patterns in Africa south of the Sahara; examination of the processes of change in contemporary Africa. Profiles of African cultures as seen by anthropologists and African writers. Fulfills intercultural requirement. Prerequisite: SOAN 103.

## Sociology and Anthropology

**413 Gender Violence. 4.** Explores the complex interrelationships among gender, sexuality and violence. Examines historical, cultural and social structural bases of numerous forms of gender violence, including sexual harassment, rape and domestic violence, as well as the use of gender violence in war and military contexts. Prerequisite: SOAN 338 or 339 and SOAN 340 or 341 or permission of instructor.

**415 Gender & Development in Africa (IDS 411). 4.** Uses interdisciplinary African ethnographic films and literature to understand the legitimacy of mainstreaming gender equality and sensitivity as fundamental values that should be reflected in development processes, choices and practices. Development is conceptualized in terms of enlarging people's choices, sustaining such opportunities across generations and empowering people to participate in and benefit from development processes. Fulfills intercultural requirement.

**425 Latin American Politics. 4.** This political sociology course will analyze the central role of social movements in the political democratization of Latin America. The central goal is to understand how social unrest and upheaval, organized and active civil societies, grassroots organizations, formal political opposition and several armed movements have pressured authoritarian political systems into processes of democratization. Fulfills intercultural requirement. Prerequisites: SOAN 338 or 339 and SOAN 340 or 341 or permission of instructor.

**429 Gender in Organizations. 4.** This course provides an in-depth analysis of gender relations in formal organizations through the use of central sociological theories and research. Topics include the organizational roots of occupational sex-segregation, sexual harassment and the construction of sexuality in organizational contexts. Prerequisites: SOAN 338 or 339 and SOAN 340 or 341 or permission of instructor.

**445 Culture, Conflict, Negotiation (IDS 445). 4.** Focuses on the role of culture in conflict and negotiation; explores the effect of culture on the creation, escalation and resolution of conflicts. Topics will include how culture influences communication styles, mores, values and norms for responding to conflict. One of the goals of the course is to increase student effectiveness in dealing with intercultural conflicts as negotiators or third party mediators. Includes the use of ethnography as well as theory to understand intercultural conflict in students' own personal and professional environments. Prerequisites: SOAN 338 or 339 and SOAN 340 or 341 or permission of instructor.

**450 Special Topics. 4.** Also offered at 250 and 350 levels.

**460 Independent Study. 1-4.** Also offered at 260 and 360 levels.

**470 Senior Thesis. 4.**

**490 Departmental Honors. 4-8.** Honors and credit for grade of B or above; credit only for grade less than B.

## SPORT STUDIES (SPST)

*Clay E. Harsbau, visiting instructor, chair*

*Kathleen A. Tritschler, associate professor*

*Mary G. Broos, instructor*

*John E. Jensen, instructor*

Programs in the sport studies department include majors in sport management, athletic training and exercise and sport studies. In addition to the majors, the department currently offers concentrations in sport administration and dance. Concentrations in physical education, sport marketing, coaching and health and fitness are forthcoming. The department also offers an elective physical activity program.

**Degrees Offered.** The Bachelor of Science degree is offered in athletic training, exercise and sport studies and sport management. The athletic training (AT) program is designed to develop athletic trainers who are grounded in the liberal arts and have a comprehensive didactic and clinical background in the study of the human body and the specific theories and practices of the athletic trainer. The AT major is a competitive entry program that requires the completion of prerequisites, formal application and acceptance.

**Athletic Training Major Entrance Requirements:**

- Application to Athletic Training Education Program (ATEP)
- CPR certification
- Copy of transcripts
- Completion of SPST 210
- Observation hours: 50 total
- Essay stating desire to pursue Athletic Training education

- Physical examination
- Hepatitis B vaccine or waiver
- Interview with the ATEP committee

The exercise and sport studies program is offered to students desiring to pursue careers in allied medical/health fields (e.g., physical therapy), motor skill acquisition and pedagogy (physical education) or exercise science.

The sport management program is offered for those students desiring a career in one of the many segments of the sport and fitness business communities. This interdisciplinary program is conducted in cooperation with the business management department.

All sport studies major programs contain strong interdisciplinary and field-based components with significant opportunities for practical experiences. Students may double-major in any of the department majors by completing all requirements for the two majors.

**Major Requirements.** The athletic training major consists of 66 credits. Required major courses are: BIOL 114, 341, 342; SPST 201, 202, 210, 211, 245, 300, 301, 311, 312, 332, 372, 373, 400, 473, 480. (See \* above.)

The exercise and sport studies major consists of 44 credits. Required major courses are: SPST 310, 311, 312, 332, 420, 432; BIOL 114, 341, 342; PSY 224; and SPST 210, or 211, or 212.

The sport management major consists of 40 credits. Required major courses are: SPST 234, 332, 420, 432, 485; ACCT 201; BUS 324; SPST 232, 247, or 340; ECON 221 or 222; and ENGL 282 or BUS 220.

## Sport Studies

**100 Elective Activities. 1.** (Listed as PHYE 100) One-credit courses include, but are not limited to, horseback-riding, racquetball, rock-climbing, swimming, tennis, yoga and weight training. Students in the elective activity program may count up to four academic credits toward graduation. Courses vary by semester.

### **101 Professional Activities. 1.**

Courses designed to provide the physical education major with knowledge and skills in movement/sport areas that are essential to public school physical education instruction. Each course includes analysis of movement/sport skills, teaching progressions, drills and materials and methods for instruction.

**109 Fitness for Living. 2.** A basic study of selected systems of the human body and their responses to exercise. Emphasis on personal nutrition and its relationship to fitness, the development and implementation of personal fitness programs and the relationship of fitness to health. Laboratory, lecture and participation.

### **110 Beginning Ballet (THEA 103).**

**2.** This is a beginning-level course for students with little or no dance or ballet experience. Students will explore the beauty and power of this art through the study of technique at the barre, learning the French terminology, the critical viewing of live concerts and performing in a semester-end showing.

**111 Jazz Dance (THEA 102). 2.** This is an introduction to the art of jazz dance, designed as a continuing study of the technique introduced in 101 and 103. The emphasis of the course is on style and the acquisition of an explosive performance quality; technical studies will include

isolations, turns, placement and strengthening. Prerequisite is 101 or 103

### **112 Modern Dance I (THEA 101).**

**2.** An introduction to the art of modern dance, designed for students with little or no dance or modern experience. This dance form, with its philosophy based in the expression of personal and contemporary social concerns, will explore various movement techniques including those of Martha Graham, Erick Hawkins, Doris Humphrey and Jose Limon.

### **113 Modern Dance II (THEA 201).**

**2.** This course is intended for students who have already experienced dance, with a continuation of concepts and technique from 110, 111 and 112. In addition to the critical viewing of works, this course emphasizes the expansion of one's classical movement vocabulary and the discovery of one's own performance quality. Prerequisite is 111 and 112 or permission of the instructor.

### **114 The Wonder of Dance (THEA 100). 4.**

This course is an introduction to many aspects of dance. Students develop an awareness and appreciation for dance as art and expression through an exploration of history, contemporary trends, social themes, personalities, sample dance class experiences and choreographic projects. Fulfills arts and diversity in the U.S. requirements.

### **115 Choreography (THEA 204). 4.**

This course is a formal introduction to the art of dance composition. It is designed for students that have had previous dance experiences in technique, the creative process leading to performance and the critical viewing of works; for students working toward a concentration in dance, it

is preferred that this be the final course completed. Prerequisite: any combination of two dance courses. Fulfills arts requirement

### **130 Introduction to Sport**

**Management. 4.** An introductory course designed to acquaint students with career possibilities for sport management personnel within various segments of the sports and fitness business communities. Course includes development of a resumé and a professional portfolio. Fulfills business and policy studies requirement.

**142 First Aid. 2.** A study of basic first aid and emergency care procedures resulting in certification in first aid and cardiopulmonary resuscitation (CPR).

### **201 AT Clinical Education**

**Practicum I. 2.** Athletic training clinical rotation. Prerequisites: Formal admission to the athletic training education program.

### **202 AT Clinical Education**

**Practicum II. 2.** Athletic training clinical rotation. Prerequisites: SPST 201.

### **205 Folk, Square and Social**

**Dance. 2.** Study of popular folk, square and social dances in American and other cultures. Emphasis on rhythmic and stylistic elements.

### **210 Introduction to Athletic Injury**

**and Illness. 4.** An introductory course in athletic training that explores common injuries and illnesses in athletes and the physically active population. Emphasis will be placed upon the role of the athletic trainer in injury prevention, recognition, and management. A co-requisite laboratory course enables students to practice and apply principles and techniques. The

application of protective wrapping, taping, padding and bracing will be performed with injury prevention being the primary focus.

### **211 Health and Wellness**

**Promotion. 4.** A study of the basic concepts of and promotion of personal and community health from a wellness perspective. Emphases are on contemporary health issues of special concern to young adults and health issues of professional concern to those aspiring to careers in sports or fitness.

### **212 Perspectives in Nutrition. 4.**

A study of the science of nutrition, especially as it applies to humans engaged in sport and exercise. Content includes nutrition basics, energy-yielding nutrients, energy production and balance, vitamins and minerals and nutritional effects on the life cycle.

### **213 Stress Management. 4.**

Introductory course that teaches how to identify, understand and combat the stresses of everyday life while developing a healthy living concept. Techniques include Zen meditation, Hatha Yoga, imagery, music therapy, T'Chi, massage therapy, time management and coping mechanisms.

### **231 Facility Design &**

**Management. 4.** Fundamentals of and current trends in planning and design, emphasizing athletic, physical education and recreation facilities. Field trips to evaluate facilities on-site; an overview of job responsibilities of sport/recreation facility managers.

## Sport Studies

### **232 Sociology of Sport & Exercise.**

**4.** An introduction to basic sociological theories as they apply to sport and other forms of physical activity. Students learn to think more critically about sports as a part of social life; a seminar approach used to explore issues in making sports more democratic and sport participation accessible to all people.

### **233 Event Management. 2.**

An experiential-learning course in which the students plan, promote, direct and evaluate a sport event. The course combines academic classroom experience with the significant practical experience of event coordination.

### **234 Sport Finance. 4.**

The purpose of this course is to provide information to the learner about the basic financial management concepts and issues in the sport business industry. Students will examine various means for financing and managing sport businesses and organizations. Prerequisite: ACCT 201

### **241 Motor Learning. 4.**

A study of the neuromuscular processes involved in motor skill acquisition and performance in sport and rehabilitative settings. Emphasis is on the adult learner.

### **245 Emergency Procedures in**

**Athletic Training. 4.** An exploration of common emergencies that occur in athletics and the physically active population. Current procedures utilized in injury recognition and management of potentially life-threatening situations will be covered in depth. A co-requisite laboratory course enables students to practice and apply theoretical principles.

### **247 Historical and Philosophical Perspectives on Sport. 4.**

A study of the American sporting heritage and significant historical influences on it from other cultures. "Sport" in this course is used to include amateur, professional and school sports, fitness, recreation and dance. Emphasis on sport leaders and the innovations that have shaped American sport. Fulfills historical perspectives and business and policy studies requirements.

### **290 Internship. 2-4.**

Supervised internship in sport management, sports medicine or physical education. Prerequisite: Adviser permission. May also be offered at the 390 level.

### **300 AT Clinical Education**

**Practicum III. 2.** Athletic training clinical rotation. Prerequisites: SPST 202.

### **301 AT Clinical Education**

**Practicum IV. 2.** Athletic training clinical rotation. Prerequisites: SPST 300.

### **310 Inclusion: Physical Activity for Persons with Disabilities. 4.**

A study of methods and materials used in teaching adapted motor skills and fitness to children and adults. Required field experience in an adapted physical education or recreation setting.

### **311 Exercise Physiology. 4.**

A study of human physiological responses to the stress of physical activity. Emphasis is placed on the muscular, cardiovascular, respiratory and nervous systems and various training programs and testing procedures related to each system. Prerequisites: BIOL 341 and 342.

**312 Kinesiology/Biomechanics. 4.**

A study of the neuromuscular and biomechanical principles that affect the safety, effectiveness, and efficiency of human movement. Emphasis is on movement for sport, fitness and activities of daily living. Prerequisite: BIOL 341.

**332 Research Methods in Sport**

**Studies. 4.** A study of the methods and materials utilized in research in sport studies. Focus on the consumption and production of research; writing-intensive. Must be junior or senior. Prerequisite: permission of instructor. MATH 112 recommended.

**335 Sport Communication. 4.**

A comprehensive study of the public relations function within the sport industry. Students will prepare press releases, produce oral presentations, conduct mock press conferences and develop Web pages for sport businesses. Prerequisite: BUS 220.

**340 Psychology of Sport &**

**Exercise. 4.** An examination of basic psychological theories and research related to sport and exercise behavior.

**351-359 Seminars in Athletic**

**Coaching. 2.** Field-based courses that examine coaching of a particular sport. Content includes conditioning techniques, skill instruction, strategy development and various coaching systems. Credit is given for up to three seminars.

**351 Seminar in Coaching Football****352 Seminar in Coaching Basketball****353 Seminar in Coaching Volleyball****354 Seminar in Coaching Baseball/Softball****355 Seminar in Coaching Track/Field**

*Other coaching seminars offered periodically.*

**372 Therapeutic Modalities. 4.** An introduction to the purposes, effects and applications of therapeutic modalities for use in the treatment of injuries for the athletic and physically active populations. Pharmacological considerations will also be included in this course of study. A co-requisite laboratory course enables students to practice and apply principles and techniques. Pre-requisites: SPST 210 & 245.

**373 Physical Examination and**

**Assessment. 4.** Introduction to the use of scientific assessment methods and essential techniques used in physical examination and evaluation of injuries and illnesses common in athletes and physically active individuals. A co-requisite laboratory course enables students to practice and apply the principles and techniques. Prerequisites: SPST 210 and 245 or permission of instructor.

**380 Physical Education and Youth**

**Sport. 4.** A study of methods and materials used in teaching physical education to children in grades K-6. An individualized movement approach to instruction is emphasized. Includes curricular models and program administration; has required field experience in an elementary school or youth sport instructional setting.

## Sport Studies

### **400 AT Clinical Education**

**Practicum V. 2.** Athletic training clinical rotation. Prerequisites: SPST 301.

### **420 Organization and Administration of Sport and Exercise Programs. 4.**

A study of the organizational and administrative processes in athletic and exercise programs and school physical education programs. Emphasized are administrative philosophies, programming, legal issues and budget theory. Must be junior or senior to enroll.

### **430 Integrative Sport Management. 4.**

This capstone course for the sport administration concentration. Uses case studies and analysis of all components of sport management. Emphasis is on effective writing and oral presentations, ethics and social responsibility of sport organizations.

### **431 Sport Marketing. 4.**

Fundamentals of marketing sport and of using sport to market other products. Focus on product definition, branding, distribution channels, advertising and promotion.

### **432 Legal Aspects of Sport and Exercise. 4.**

A study of legal concerns in sport and exercise programming. A focus on legal liability and risk management in a wide variety of sport and exercise programs and facilities. Must be junior or senior to enroll.

### **443 Measurement and Evaluation in Sport and Exercise. 4.**

A study of common assessment procedures used in sport and exercise programs. Includes procedures for psychomotor, affective and

cognitive measurement. Prerequisite: SPST 211. MATH 112 recommended.

**450 Special Topics. 4.** May also be offered at the 250 and 350 levels.

**460 Independent Study. 1-4.** May also be offered at 260 and 360 levels.

**470 Senior Thesis. 4.**

### **473 Rehabilitation of Orthopedic Injury. 4.**

Advanced study of the techniques and protocols used in therapeutic exercise and rehabilitation program development. A co-requisite laboratory course enables students to practice principles and techniques. Prerequisites: SPST 210, 245, 372 and 373 or permission of instructor.

### **480 Health Care Administration in Athletic Training. 4.**

An in-depth exploration of the administrative procedures and practices common in a variety of settings in the athletic training profession. This is a seminar class, which requires the completion of numerous projects focusing on the practical application of administrative skills. Prerequisites: SPST 473 or permission of instructor.

### **485 Internship in Sport Studies. 2-4.**

Supervised internship in sport management, sports medicine or physical education. (Formerly SPST 428, 429, 438 and 439 Pre-professional Experience.) Prerequisite: adviser permission.

**490 Departmental Honors. 4.**

## THEATRE STUDIES (THEA)

*John Zerbe, associate professor, chair*

*April Soroko, assistant professor*

*Robert J. Elderkein, visiting assistant professor*

*Lee Soroko, visiting assistant professor*

The Department of Theatre Studies cultivates the capacity of students to create and appreciate theatre that explores and illuminates the human condition. The course of study seeks to produce creative artists with intellectual acuity, refined craft and a heightened appreciation for theatre as an instrument of social change. We nurture individuals who want to make a difference in the world by taking constructive action through the art form of theatre.

The program offers both majors and non-majors the chance to experience the collaborative process by which actors, designers, directors, scholars and technicians interpret a playscript and translate a shared vision of its meaning into the medium of theatrical production. Classes develop the skills essential to that process:

- critical thinking
- research methods
- intuitive reasoning
- communication
- project planning and time management
- problem-solving
- team work
- leadership

The integration of theory and practice is fundamental to the program, as it is to successful theatre, and the conceptual learning of formal course work is therefore augmented by laboratory work in the form of theatrical productions. Productions are chosen with attention to the developmental needs of the current

student population. In a four-year period, students will experience a broad range of styles and periods of dramatic literature in performance.

Faculty members have worked as practicing theatre artists in the professional theatre as actors, directors, designers or technicians.

Recognizing that guest artists are essential to the vitality of any theatre program, the department brings practicing theatre artists of high caliber to the campus to work with students. Past guest artists have included Mark Rucker, freelance director and winner of numerous awards for his productions; Danny Scheie, actor and director with a national reputation for his innovative stagings of classic comedies; Iva Walton, San Francisco scenic designer and winner of the Bay Area Critics' Circle Award; Robby MacLean, sound designer and formerly a member of the production company for *Stomp*; and Susan Yankowitz, an award-winning playwright formerly with the Open Theatre.

**Degrees Offered.** The Bachelor of Arts degree is offered in theatre studies.

**Major Requirements.** The major requirements foster a holistic vision of theatre's component parts while giving students an opportunity to develop their own areas of talent and expertise through the selection of elective courses.

The requirements include the following:

History

- THEA 130: Theatre and Culture I
- THEA 131: Theatre and Culture II

Interpretation

- THEA 243 Plays and Meaning

## Theatre Studies

### Dramatic Literature

- Taken in English department: 20<sup>th</sup>-century focus
- Taken in English department: pre-20<sup>th</sup>-century focus

### Performance

- THEA 125: Fundamentals of Acting

### Technical Production and Design

- THEA 110: Play Production
- THEA 271 or 275: Set Design or Costume Design

### Two Electives (8 credits)

- Chosen from Acting Studio, Voice and Body, Dance, Play Direction, Directing Studio, East Asian Theatre, advanced topics in design, advanced topics in technical theatre, advanced topics in performance, Stage Make-up, various dramatic literature courses and special topics courses.

### Production Work (6 credits of Practicum)

- Options include stage management, properties management, costuming, lighting, publicity, sound, box office, house management, make-up and scene painting. Assigned by faculty after consultations with students.

Summer internships in professional theatre are strongly encouraged as an integral part of a theatre education. Where appropriate, such internships may be used to fulfill part of the practicum requirement.

### **100 The Wonder of Dance (SPST 114). 4.**

### **101 Modern Dance I (SPST 112). 2.**

### **102 Jazz Dance (SPST 111). 2.**

### **103 Beginning Ballet (SPST 110). 2.**

**110 Play Production. 4.** Explores methods of backstage theater craft through hands-on work. Focuses on the elements of lighting, sound, props, sewing, drawing, construction and painting; students work individually and in collaborative teams to create projects in each of these using basic play analysis. Required laboratory time supports a departmental production. Fulfills arts requirement.

### **111 Backstage Production. 4.**

Practical behind-the-scenes work on a department mainstage production. Students engage in planning, construction, rigging, set-up and strike. Requires participation in scenery, lighting and/or properties. Examines the contributions of technical theatre to the continuing deep impact of live performance in the age of "virtual reality" and computer-generated video and films. Fulfills arts requirement.

### **120 Public Presentation (GST 115).**

**4.** Introduction to the skills required for effective speaking within a public context. Includes basic instruction in Power Point digital presentations. Focus on research, organization, ethical communication, physical presence and vocal delivery. Requires four speeches (introductory, informative, persuasive and commemorative) and several observation exercises.

**121/221 Voice and Body. 4.**

Development of the expressive potential of the human voice and body. Vocal work focuses on breath support and control, grounding, resonance and the role of the voice in the creation and communication of meaning; physical work focuses on release of tension, centering and creative exploration. May be repeated once for credit. Fulfills arts requirement.

**125 Fundamentals of Acting. 4.**

Explores the challenges facing actors of realistic drama: living truthfully within a play's specific imaginary world. Focuses on the ability to discern, define and embody given circumstances, dramatic action and character. Fulfills arts requirement.

**130 Theatre and Culture I. 4.**

Study of Western theatre from the Greeks through the English Renaissance. Examines play texts and theatre architecture as primary source documents that reflect the artistic, philosophical, political and social contexts of a particular cultural moment in history. Fulfills arts requirement.

**131 Theatre and Culture II. 4.**

Study of Western theatre from the late Renaissance through the present. Examines play and theatre architecture as primary source documents that reflect the artistic, philosophical, political and social contexts of a particular cultural moment in history. Fulfills arts requirement.

**151 The Birth of the Avant-Garde (ENGL 151). 4.**

Traces the evolution of literary and performance styles from realism/naturalism to the avant-garde movements at the turn of 20<sup>th</sup>-century Europe: symbolism, futurism, dadaism, surrealism and expressionism. Links each

style to social forces, music, art, important people, ideas and watershed events. Fulfills historical perspectives requirement.

**170 Visual Composition in Film. 4.**

Exploration of the basic principles and elements of design through the medium of film. Emphasis on the craft and techniques involved in creating a visual plan. Includes viewing of films, creation of storyboards and sketches and short video exercises. As a final project, students work in small groups to fully produce their own short film. Fulfills arts requirement.

**175 Stage Make-up. 2-4.**

Develops an understanding of the principles and processes of stage make-up design and application. Exercises explore the relation between textual delineations of character, the actor playing the role and production concept; make-up application projects include straight, corrective, age, fantasy and prosthetics.

**190 Mainstage Actor. 1-4.** Academic credit for work on a department production. CR/NC.

**195 Mainstage Tech. 1-4.** Academic credit for work on a department production. CR/NC.

**201 Modern Dance II (SPST 113). 2.**

**204 Choreography (SPST 115). 4.**

**225/325 Acting Studio. 4.** Develops the ability to be "emphatically present" with a partner in the imaginary world of a play's circumstances. Synthesizes inner technique with consciously applied physical and imaginative work. May be repeated once for credit. Offered every other year.

## Theatre Studies

**243 Plays and Meaning (ENGL 243).** 4. Develops the interpretive skills needed by contemporary practitioners working in a theatre that responds to and addresses issues of oppression and social justice. Students learn how to find a personal sense of a play's meaning and identify its relation to our own social/cultural context. Fulfills humanities and social justice/environmental responsibility requirements.

**244 Playwriting Workshop (ENGL 210).** 4.

**271 Set Design.** 4. Develops an understanding of the principles and processes of set design for the stage. Explores how this design area echoes and utilizes other art forms and functions in relation to theatre production as a whole; emphasis on spatial aesthetics, critical analysis, creative interpretation, research for design, conceptual collaboration and the oral, written and graphic communication of the design idea. Fulfills arts requirement.

**275 Costume Design.** 4. Develops an understanding of the principles and processes of costume design for the stage. Exercises and projects explore gesture, movement, clothing, accessories, hair and makeup as physical manifestations of dramatic character. Fulfills arts requirement.

**280 Play Direction.** 4. Explores the "choice-making" process of creative play direction. Exercises in interpretation of a playscript, actor coaching, groundplans, composition, picturization, movement and formulation of a production "concept." Prerequisite: THEA 125. Offered every other year.

**290 Internship. 1-4.** Internships in the professional theatre are strongly encouraged. May be applied to the practicum requirement where appropriate. May also be offered at the 390 level.

**295 Practicum. 1-4.** Theoretical and practical work in one of the following areas: costuming, lighting, publicity, sound, box office, house management, makeup, stage management, properties management and scene painting. All practicums include work on a mainstage production and a production book. Prerequisite: consent of instructor.

### **310-319 Series: Advanced Topic in Technical Theatre**

Courses in this numerical sequence focus on specialized areas of technical theatre, chosen according to student need and faculty areas of expertise. Offered on an occasional basis. Topics may include computer-assisted drawing, wood construction and cabinet-making, welding and metal work, project planning and others. See course descriptions for possible prerequisites.

### **320-329 Series: Advanced Topics in Performance.**

Courses in this numerical sequence focus on specialized areas of performance, chosen according to student need and faculty areas of expertise. Offered on an occasional basis. Topics may include: voice and text, acting in Shakespeare, dialects, auditioning and others. See course descriptions for possible prerequisites.

### **320 Acting in Shakespeare. 4.**

Introduces students to techniques and skills needed for the effective performance of Shakespearean drama in the contemporary theatre. Special attention given to

rhetorical figures, figurative language, onomatopoeia, the music of poetic language and scansion. Prerequisite: THEA 125 or consent of instructor.

### **322 Acting for the Camera. 4.**

Develops a Stanislavsky-based approach to acting as it applies specifically to film and television. Assignments include memorized scenes, character research, reading screenplays and texts and exploration of the creative life in front of the camera. In-class videotaping and critique of all projects.

### **340 Drama of Difference (IDS**

**432). 4.** Study of gay and lesbian drama as expressions of a distinct culture.

Examines plays as artifacts that reflect that culture's history, icons, values and traditions; students learn to understand and value the contributions of this stigmatized group. Special focus on non-white authors. Fulfills humanities and diversity in the U.S. requirements.

### **341 East Asian Theatre (IDS 408).**

**4.** Study of traditional theatre of China and Japan. Examines the literary styles and theatrical conventions of Beijing opera, Bunraku, Kabuki and Noh as living metaphors of Eastern culture. Fulfills arts and intercultural requirements.

### **370-379 Series: Advanced Topics in Design.**

Courses in this numerical sequence focus on specialized areas of design, chosen according to student need and faculty areas of expertise. Offered on an occasional basis. Topics may include: lighting, scenic, costume, sound design and various digital/information tech courses. See course descriptions for possible prerequisites.

### **370 Digital Sound Design. 4.**

Exploration of sound design in theatre with a focus on the role of sound in shaping perception during performance, the relation of design to overall interpretation and the use of digital editing systems to create or re-create audio palettes and a production "score." Other topics include the changing role of the audio engineer, sound reinforcement systems and audio operation during live events. Fulfills arts requirement.

### **371 Digital Graphic Design CMIT 371). 4.**

Introduction to the uses of computer-assisted drafting, image manipulation and desk-top publishing as applied to the creation of artistic work. Explores basic elements of graphic design: form, space, color, contrast, typography, clip art and images and layout. Step-by-step instruction empowers students to create projects that are both functional and visually appealing. Fulfills arts requirement.

### **372 Computerized Lighting Design. 4.**

**380 Directing Studio. 2-4.** Advanced study of play direction. Focuses on the conceptualization and physicalization of a "ruling idea" in a series of scenes; includes major research project and presentation. In some years the course may include conceptual preparation for a one-act play festival. Prerequisite: THEA 280.

**450 Special Topics. 4.** May also be offered at 250 and 350 levels.

### **460 Independent Study. 1-4.**

Independent research or directed study for exceptional students with strong interest in particular areas of dramatic literature, theatre history, design, technical

## Women's Studies

production, acting, directing or performance theory. May also be offered at 260 and 360 levels.

**470 Thesis. 4.** Preparation and execution of a major project in a graduating senior's primary area of interest; typically a two-semester course of study with research/preparation in the first and execution in the second. Projects may take various forms such as an extended scholarly essay, playing a major role in a faculty-directed production, designing a mainstage production or directing a mainstage production. By application to department faculty.

**490 Departmental Honors. 4.**

## WOMEN'S STUDIES (WMST)

*Resource faculty:*

*Carol Stoneburner, director of women's studies*

*Advisers to women's studies:*

*Kathryn A. Adams, psychology department*

*Nancy Dankas, philosophy department*

*Rebecca B. Gibson, English department*

*Adrienne M. Israel, history department*

*Sarah S. Malino, history department*

*Claire K. Morse, psychology department*

*John H. Stoneburner, religious studies  
department*

*Kathleen A. Tritschler, sport studies department*

*Carolyn Beard Whitlow, English department*

*Richard L. Zweigenhaft, psychology department*

The women's studies curriculum posits gender relations as a basic organizing principle of analysis. Gender is explored as a social construction that reflects and produces differentials of power and

opportunity in many social systems. In a variety of disciplinary and interdisciplinary contexts, women's studies majors explore the interactive matrix of gender, class, race, age, ethnicity, nationality and sexual identity through works produced primarily by women. Hence majors will study women in the dominant culture and in cultures of women of color, both national and international. Such analysis illuminates the variety of men's and women's experiences and expressions, while identifying those that have been scripted into social definitions of normative human behaviors.

Women's studies majors study and develop feminist critiques of traditional disciplinary knowledge, yet there is an integrative component that draws on the valuable contributions of traditional knowledge as well. Exploration of the roots and forms of women's political activism, and the feminist reconstruction of history, contribute to the formulation of inclusive perspectives toward social life and the understanding of models and examples of social change. Due to the interdisciplinary nature of the curriculum, women's studies majors apply multiple methodologies in developing research and critical thinking skills, and forms of personal expression. In IDS 400 courses, internships and thesis projects, students integrate knowledge from different classes to conceptualize new, fuller ways of understanding.

**Degrees Offered.** The Bachelor of Arts degree is offered in women's studies.

**Major Requirements.** The women's studies major is an interdisciplinary major that must be taken along with a disciplinary major. An adviser must be selected from a list of faculty who teach in the women's studies program, as well as an adviser from

the other major. This may be the same person or two different faculty members.

The Women's Studies Committee will verify that all requirements for each major have been satisfactorily completed.

Because the women's studies major is an interdisciplinary major, courses must be selected from at least four departments, with some courses in both the humanities and the social sciences. At least one senior integrative experience, a women's studies IDS 400 capstone, is required. Other integrative experiences, internships, independent study or thesis are encouraged.

**Major Requirements.** Students must take eight courses in the disciplinary major and eight 4-credit courses in women's studies in the following pattern:

- At least one of the following:
  - ENGL 224: Self-Image in Women's Literature
  - HIST 223: Women's Lives in U.S. History
  - REL 222: Feminist Theology
- ENGL 151: Black Women's History and Literature OR another 100- or 200-level women's studies course
- Two but not more than four Special Topics 250 courses (listed each semester under courses counting for the women's study major or concentration) AND 300-level courses.
- At least one course must be on women of color (in U.S. or another part of the world).
- At least two 400-level courses, one of which must be a capstone IDS 400 course (one offered each semester). NOTE: Independent studies, thesis, and internships can be taken at the 400 level.
- The 1-credit Women's Studies Senior Forum is required of all majors in spring semester of senior year unless a

similar "transition out" course is required in the disciplinary major.

Because this is double major, two courses can double count for the women's studies major and other requirements without petitioning.

First-year students should take ENGL 224, HIST 223 or REL 222 or a 250 in women's studies to begin the major.

Regular courses that count for the women's studies major or concentration:

- CHEM 151: Women in Science
- ENGL 151: Black Women's History and Literature
- ENGL 224: Self-Image in Women's Literature
- ENGL 331: Black Women Writers
- ENGL 334: African Women Writers
- FREN 404: French Women Writers
- HIST 223: Women's Lives in U.S. History
- HIST 268: History of Chinese Women
- HIST 343: Women in Modern Africa
- JAPN 220: Women in Modern Japan
- JPS 425: Family Violence
- PSY 213 or SOAN 213: Class, Race and Gender
- PSY 250: Human Sexuality
- PSY 450: Women and Aging
- REL 222: Feminist Theology
- REL 450 or IDS 413: Women, Body, Voice
- SOAN 313: Sociology of Sex and Gender
- THEA 340 or IDS 432: Drama of Difference
- WMST 450: Women's Studies Senior Forum (1 credit). Required and taught each spring.
- Other Special Topics 250's and 450's

Other courses are added regularly. See the director.



# Concentrations

The curriculum features 49 interdisciplinary and disciplinary concentrations that provide coherent plans of study for students with special interests apart from their majors or who wish to pursue further study related to the major. Concentrations normally consist of four courses.

Students may double-count courses toward their major and their concentration as long as the total number of courses for major and concentration combined equals at least 12.

All students complete a concentration as part of their Guilford general education requirements unless they double-major. If students choose to do more than one concentration, they can double-count courses in the second concentration freely with the major or first concentration.

There are two restrictions on choosing a concentration in relationship to majors:

1. You cannot choose a concentration that has the same name of your major. For example, English majors cannot choose an English concentration.
2. You cannot satisfy your concentration requirement with a concentration that has a note in its catalog description prohibiting you from combining this concentration with your major. For example, the visual arts concentration description prohibits students from combining this concentration with an art major.

For additional information about the concentrations listed below, contact the coordinator listed for each. For additional information about concentrations, see chapter 2.

The concentrations:

- accounting
- African American studies
- African studies
- anthropology
- applied ethics
- astronomy
- business law
- business management
- chemistry
- communications
- community studies
- computing and information technology
- criminal justice
- dance
- East Asian studies
- economics
- education studies
- English
- environmental studies
- field biology
- forensic science
- French language and society
- German language and society
- history
- integrated science
- international political economy
- interpersonal communication
- Japanese language and society
- Latin American studies
- mathematics for the sciences
- medieval/early modern studies
- money and finance

- music
- non-profit management
- organizational communication
- peace and conflict studies
- philosophy
- philosophy of mathematics
- physics
- political science
- psychology
- Quaker studies
- sociology
- Spanish language and society
- sport administration
- sport marketing
- theatre studies
- visual arts
- women's studies

## ACCOUNTING

*Coordinator:*

*Raymond E. Johnson, accounting department*

The accounting concentration provides non-accounting majors with basic accounting concepts and tools that can be applied to enhance the application and marketability of their liberal arts education. It also prepares them to understand and participate more effectively in the world of work and provides grounding in practical applications that will serve them well throughout their lives.

*The concentration in accounting is not available to accounting majors.*

**Requirements.** Students must take the following four courses:

- ACCT 201: Introduction to Accounting
- ACCT 301: Intermediate Accounting I
- ACCT 321: Individual Taxation
- ACCT 311: Cost Accounting

A student may petition to substitute an approved independent study relating to applicable work experience for either ACCT 321 or ACCT 311. Alternatively, a student may also petition to substitute IDS 401: Business Ethics or another approved IDS 400 course for either ACCT 321 or ACCT 311. The coordinator of the Accounting concentration must approve the substitution.

## AFRICAN AMERICAN STUDIES

*Coordinator:*

*Karen M. Tinsley, psychology department*

The African American studies concentration is an interdisciplinary program focusing on the cultures, societies, histories and concerns of peoples of African descent in North America, while encompassing Africa and the African Diaspora, including the Caribbean and other parts of the world. It balances the study of race relations and racism with a celebration of African and African American achievements and contributions to the United States and the wider world. It provides a basis for better understanding among people in a multiracial society and helps prepare students for careers in such fields as education, law, health care, sports management, marketing, criminal justice and social work.

**Requirements.** Four four-credit courses, one of which must be an appropriate IDS 400. Students are also required to take either ENGL 230: African-American Literature, ENGL 331: Black Women Writers, ENGL 332: Black Men Writers or

HIST 225: African-American History. The four courses must be taken in at least two different disciplinary departments.

- SOAN 265: Racial and Ethnic Relations
- SOAN 358: African Cultures
- SOAN 415: Gender and Development in Africa

## AFRICAN STUDIES

*Coordinator:*

*Edvins Laban Gwako, sociology and anthropology department*

This concentration offers an interdisciplinary approach to the cultures, history and current issues challenging peoples on the African continent, with emphasis on the sub-Saharan region. Its goals are that students will acquire a basic understanding of some portion of Africa's history and some understanding of African perspectives, values and contributions to the world.

**Requirements.** Students are required to complete four courses, one of which must be SOAN 358: African Cultures. At least one course must be taken in modern African history or politics and at least one in African literature, music or art. The following courses count toward the concentration:

- ENGL 334: African Women Writers
- FREN 311: The Francophone World
- HIST 242: Africa from Slave Trade to Colonialism
- HIST 243: Africa in the Twentieth Century
- HIST 343: Women in Modern Africa
- REL 204: Islam
- SOAN 213: Class, Race, Gender
- SOAN 215: Anthropology of Slavery
- SOAN 235: African Families in Transition

## ANTHROPOLOGY

*Coordinator:*

*Edvins Laban Gwako, sociology and anthropology department*

The Department of Sociology and Anthropology promotes the study of society and culture. Since people live every aspect of life within a complex sociocultural environment, it is possible to develop the self fully only with extensive knowledge of that environment. Both disciplines focus on the ubiquitous processes of social organization and the ways in which human knowledge, behavior and institutions are socially and culturally influenced. Anthropology, in particular, focuses on the study of cultural relativity and enables students to understand and appreciate ways of life and cultural systems different from their own.

*The concentration in anthropology is not available to SOAN majors.*

**Requirements.** The concentration consists of four courses:

- SOAN 103: Cultural Anthropology AND/OR SOAN 104: Tribes, States, Global Society
- SOAN 338: Ethnographic Methods OR SOAN 340: Anthropological Theory
- One elective course in anthropology at the 200 or 300 level from the following list:
  - SOAN 215: Anthropology of Slavery

- SOAN 225: Culture and the Environment
- SOAN 235: African Families in Transition
- SOAN 315: Economic Anthropology
- SOAN 321: Development Anthropology
- SOAN 345: Personal and Social Change
- SOAN 350: Special Topics (e.g., Understanding Poverty)
- SOAN 358: African Cultures
- One capstone seminar at the 400-level, to be taken at the end of the four-course sequence.

Once the student has taken the three introductory and/or elective courses in anthropology, she/he is prepared to declare, in written form, her/his intention to concentrate in the discipline. The declaration is to precede enrollment in the capstone 400-level seminar, and should include a statement regarding the links among the three previously completed courses and the requested seminar.

## APPLIED ETHICS

*Coordinators:*

*Frank Keegan, biology department*

*Vance A. Ricks, philosophy department*

The applied ethics concentration seeks to develop in students the ability to uncover the moral implications inherent in situations that will arise in their professional lives. Through reading, writing, examination of the primary literature of ethics, critical analysis of case studies and development of persuasive

arguments, students should develop an understanding of and appreciation for ethical principles and their importance for addressing “real world” concerns.

As students progress through the concentration, they are challenged to struggle with the moral dilemmas posed by new developments in professional fields, and new advances in technology. Whether determining an ethical approach to computer illiteracy and social displacement in an increasingly technological society, ensuring a sustainable future for humanity within the ecosphere, considering the ethical dilemmas posed by the AIDS epidemic or assessing the ethics of the marketplace, they will learn how to identify a moral course of action.

**Requirements.** Four four-credit courses are required. Students take PHIL 111: Ethics, either IDS 401: Ethical Issues in Biology and Medicine or IDS 401: Business Ethics and two additional courses from the list below:

- BIOL 212: Environmental Science
- BIOL 443: Genetics
- JPS 320: Ethics in Justice and Policy Studies
- PHIL 241: Computer Ethics
- PHIL 242: Environmental Ethics
- PSCI 325: Politics, Law, and the Environment
- REL 205: Ethics and Human Nature in Chinese Thought
- REL 233: Peace, War and Justice
- REL 312: Humanistic Ecology
- REL 330: Nonviolence: Theories and Practice

# ASTRONOMY

*Coordinator:*

*Thomas P. Espinola, physics department*

The astronomy concentration introduces the student to the universe beyond Earth. It provides the student with the opportunity to use modern scientific instrumentation, perform basic undergraduate research and use analytical, mathematical and computation tools to investigate astronomical phenomena. It has two tracks—one for physics majors and one for all other majors. The concentration is not intended, by itself, to prepare a student for a career in astronomy. Students completing a physics major and a concentration in astronomy will be prepared to pursue graduate study in astronomy or astrophysics. Others completing this concentration should have an adequate background to adopt astronomy as a hobby and to better understand astronomy in the popular press.

*The concentration in astronomy is not available to physics majors.*

**Requirements.** The astronomy concentration requires at least 16 credits from among the following courses:

- PHYS 106: General Astronomy
- PHYS 107: Solar System
- PHYS 108: Realm of the Stars
- PHYS 109: Beyond the Stars
- PHYS 250: Observatory Practice (2 credits)
- PHYS 450: Astrophysics

In addition, each student will be required to do an original research project. For non-science majors, this will usually be a 2-credit portfolio development class.

Physics majors are required to complete a senior thesis in astronomy, astrophysics or an equivalent research project.

# BUSINESS LAW

*Coordinators :*

*Raymond E. Johnson, accounting department*

*Betty T. Kane, business management department*

The business law concentration exposes students to substantive legal topics, theory and analysis and prepares them to deal with legal issues that arise in the workplace and to respond to ethical issues as they interact with the law. Students will apply basic legal theories to specific problems and situations in order to develop alternatives and provide solutions. Students will assess resources available for researching different aspects of law and develop appropriate research and analytical skills. They will also develop their competencies in professional writing and oral presentation. Students will develop the ability to recognize and apply their practical understanding of business law to both business and personal situations.

## **Requirements.**

- BUS 215: Business Law
- ACCT 321: Taxation of Individuals OR ACCT 322: Taxation of Corporations and Partnerships
- An elective course chosen from among the following:
  - ACCT 422: C.P.A. Law
  - BUS 321: Human Resource Law and Management
  - JPS 201: Criminal Law
  - JPS 204: Courts
  - JPS 303: Law and Society

- PHIL 247: Philosophy of Law
- PSCI 435: Constitutional Policies and the Judicial Process: Constitutional Law I
- PSCI 436: Civil Rights and Liberties: Constitutional Law II
- SPST 432: Legal Aspects of Sport and Exercise
- IDS 402: Business Ethics or IDS 426: Legal Decisions (or another IDS 400 approved by the coordinators)

## BUSINESS MANAGEMENT

*Coordinator:*

*Betty T. Kane, business management department*

The business management concentration provides students with basic business concepts and tools that can be applied to enhance the application and marketability of their liberal arts education, as well as prepare them to understand and participate more effectively in the world of work. This concentration will provide grounding for non-management majors in practical applications that will serve them well throughout their lives and will assist them in relating and using their liberal arts majors in personally and professionally rewarding careers. Students will gain a basic understanding of the world of business, its global aspects and ethical issues. This concentration should be a helpful addition on a transcript for job applications in any field.

The business management concentration provides a structure within which students gain an exposure to business concepts and tools through

introductory coursework and apply them in an experiential component. Most students will complete an internship that is focused on the student's particular area of interest. Alternatively, students with prior applicable work experience may do an independent study or substitute an approved IDS 400 course.

*The concentration is not available to business management majors.*

### Requirements.

- ACCT 201: Introduction to Accounting
  - BUS 120: Introduction to Business OR BUS 249: Principles of Management
  - BUS 215: Business Law
  - Focus Course (see below)
  - Internship (2-4 hours) in area of focus
- A student with prior applicable work experience may complete a one- or two-hour independent study supervised by a full-time business management faculty member and relating to and processing the prior work experience. Alternatively, a student with applicable work experience may petition to substitute IDS 401: Business Ethics or another IDS 400 approved by the coordinator of the concentration.

The focus course may be chosen from a wide variety of courses to provide each student with more depth in a particular area. The business management department plans to design several courses in consultation with faculty from other areas of study, including arts management, nonprofit management and environmental management. Examples of current courses that could serve as the focus course include: PHIL 246: Business Ethics, BUS 321: Human Resource Management, BUS 330: Sales and Advertising, SPST 130: Introduction to Sport Management and

BUS 349: International Management. Students should consult with the coordinator to select an appropriate focus course for the concentration.

## CHEMISTRY

*Coordinator:*

*Anne G. Glenn, chemistry department*

Through a chemistry concentration, students can select chemistry courses that best complement their major and career goals and gain an understanding of why chemistry is often called “the central science.” For example, biology, geology and physics majors and students interested in the health professions (pre-med, pre-vet and pre-dental) could deepen their knowledge of how chemistry is applied in their field. The most rapidly growing areas in science are those that appear on the boundaries of traditional scientific disciplines, such as materials science (physics, chemistry and geology), molecular biology (chemistry and biology) and biophysics (chemistry, biology and physics).

The concentration is not limited to science majors, however. Pre-law students interested in patent law would benefit from this concentration, as would management or accounting majors seeking to work in the area of pharmaceutical or chemical manufacturing or sales. Language or international studies majors wishing to work for multinational scientific companies or deal with global environmental issues would find the concentration useful, as would art majors seeking a detailed knowledge of the properties and safety hazards of the materials they use.

*The concentration in chemistry is not available to chemistry majors.*

### Requirements.

- CHEM 111 and CHEM 112: Chemical Principles I and II
- CHEM 400: Senior Seminar
- Two upper-level chemistry courses depending on the specific needs and interests of the student. These should be chosen in consultation with the concentration coordinator and the student’s major adviser. Examples include, but are not limited to:
  - CHEM 231: Organic Chemistry I
  - CHEM 331: Physical Chemistry I
  - CHEM 341: Instrumental Analysis
  - CHEM 342: Inorganic and Materials Chemistry
  - CHEM 430: Medicinal Chemistry
  - CHEM 420: Polymer Chemistry
  - CHEM 434: Biochemistry
  - GEOL 412: Geochemistry

Students may take advanced courses at consortium colleges to fulfill the requirements for the concentration.

## COMMUNICATIONS

*Coordinator:*

*Richard L. Zweigenhaft, psychology department*

The communications concentration is open to students of any major. It offers a group of courses from various departments designed to give students a broad introduction to the general area of communications. The concentration is concerned with broad social, moral and philosophical issues, as well as with the improvement of communication skills.

This concentration should be considered as a core of courses that could be extended in a more focused way through additional courses, independent

study and internships. Students interested in public relations or advertising, for instance, could take additional courses in art and management while majoring in English. They also could learn practical skills through involvement with college media (such as the radio station or the various publications) and arrange internships with local advertising agencies, newspapers, radio or television stations.

The concentration should be particularly useful to people considering careers in any field of communications (for example, newspapers, radio or television) or business management. The concentration, however, should be worthwhile in general for any student, enhancing her or his college performance and making a useful offering on a transcript for job applications in many fields.

### Requirements.

- A broader-gauged theory-oriented course (chosen from among Mass Media, Media and Reality and other wide-ranging courses on the media)
- Two courses from among a range of courses that explore more particular areas of communication, including written communication, spoken communication, film and computers
- An internship (which must be taken after the student has taken at least two of the three other courses that fulfill the requirements for the concentration)

## COMMUNITY STUDIES

*Coordinator:*

*Barton A. Parks, justice and policy studies department*

This new field of study and practice arises from a pervasive sense of disconnection and isolation that has become widespread in American culture. Focusing on building community, the field understands our society's institutions as on a path of systematically undermining respectful and authentic relatedness among citizens. It also sees this path as the source of many growing pathologies, including individual and systematic prejudice and discrimination, and many forms of violence.

Currently, the need for community-building has begun to gain the attention and imagination of many inside and outside the academy. As new disciplines emerge and diverse technological and other forms of expertise expand, we are becoming aware that we still lack the ability to build sustainable systems that enable our endeavors to thrive.

*The concentration in community studies is not available to community and justice studies majors.*

**Requirements.** Four courses are required to complete the concentration, three required and one elective:

1. The three required courses are:
  - JPS 103: Community Problem Solving
  - JPS 220: Community Building Fundamentals
  - JPS 370: Basic Facilitation

2. Select one course from the following:

- JPS 290: Internship
- JPS 320: Ethics in Justice and Policy Studies
- JPS 424: Trust and Violence
- JPS 439: Understanding Oppressive Systems
- PHIL 377: Autonomy and Authenticity
- SOAN 213: Class, Race and Gender
- SOAN 345: Personal and Social Change

## COMPUTING AND INFORMATION TECHNOLOGY

*Coordinator:*

*Robert M. W'bitnell, chemistry department*

The rise of the Internet has highlighted how the use of the computer and information technology has become an integral part of all academic disciplines and a necessity for functioning in the modern world. In expecting Guilford students to become "leaders of change," the college provides every one of them with access to the extremely powerful research and communication tools that will often be the agents of that change. The computing and information technology concentration provides Guilford students with a structure where they can obtain a depth experience that allows them to use the tools effectively, to cope with the rapid change inherent in computing and to analyze the changes in society that the more powerful technology engenders.

Students who complete this concentration will be able to apply computing and information technology skills to at least one discipline or area of study. They will be able to program in a

high-level computer language and thereby understand the logic by which we get computers to do what we want them to. Finally, they will be able to consider and evaluate the effect of new technologies from an ethical, social or political perspective.

**Requirements.** Students take four credits in each of three general areas plus four credits of electives. Students are required to demonstrate a capstone experience. Students must also demonstrate basic computing skills through the completion of a course such as BUS 141: Introduction to Computers or through prior courses or other experience. It is strongly recommended that students are extremely comfortable with algebra before they take a course in the programming/development area.

- **Applications.** Four credits of courses that have a significant component of the application of computing to a discipline or area of study. Such courses include BUS 241: Computers and Management, BUS 341: Management Information Systems, MATH/PHYS 320: Mathematical Physics, and approved Research Methods courses, ART 245: Digital Darkroom, THEA 371: Digital Graphic Design and others. These courses are to address the tools and principles by which computing and information technology is applied in a major or an area of study. Students whose major requires one of the courses that they would otherwise use for this concentration would be able to use elective credits as described below to complete their concentration.

- **Programming/Development.** Four credits in a high-level computer language such as C++, Java or Visual Basic. This requirement may be completed by a regularly scheduled course such as CMIT100/GEOL 105: Introduction to Computer Programming, by a special topics course, by an independent study, by a course taken through the consortium or by a course at another institution for which Guilford has awarded credit.
- **Information Technology and Society.** Four credits of courses that address ethical, social, philosophical or political issues that accompany the increasing use of computing and information technology. Courses in this area can include PHIL 241: Computer Ethics, CMIT 401: Artificial Intelligence and Artificial life, PHIL 375: Topics in the Philosophy of Mind or PSCI 445: Globalization and its Discontents.
- **Elective.** Four additional credits in any of the above areas. Other courses that do not fit cleanly in any of the above areas (PHIL 292: Formal Logic, CMIT 321: Perspectives in Information Systems, CMIT 322: (Inter)Networking Computers, CMIT 342/BUS 342: Database Systems, appropriate IDS 400 courses and others) may also be used as the elective with the prior approval of the concentration coordinator. An internship or independent study may count as elective credits with prior approval of the concentration coordinator.
- **Capstone Experience.** Each student is required to demonstrate a capstone experience for this concentration. Approved IDS 400

courses for the concentration will be assumed to provide such an experience. Students who do not take such an IDS 400 will be required to take a one-credit independent study with the concentration coordinator or a faculty member approved by the concentration coordinator. The student and the faculty member will negotiate the specific subject of that independent study, but the result will be a project that displays understanding of both technical and societal issues.

The concentration coordinator will determine whether a particular course or set of courses fulfills these requirements.

## CRIMINAL JUSTICE

*Coordinator:*

*Jerry Joplin, justice and policy studies department*

This concentration provides non-majors an opportunity to pursue an interest in criminal justice. It introduces students to the major problems of instituting legal control over criminal behavior and the complexity of making legal decisions in a moral context. It enables students to develop an appreciation of the social scientific method and to communicate their experience with criminal justice effectively in writing.

### Requirements.

- JPS 101: Introduction to Criminal Justice
- JPS 200: Criminal Procedure
- Two 300- or 400-level courses (excluding JPS 339, 366, 437)

In addition to the course work, students will be required to write a 5-10 page paper bringing together their diverse experiences in the concentration. This concentration summary must be submitted to the justice and policy studies department during the semester in which a student completes her or his final course for the concentration. JPS faculty will grade the concentration summary CR/NC and CR is necessary for successful completion of the concentration.

*The concentration in criminal justice is not available to criminal justice majors. Students majoring in community justice may not use their major coursework toward the criminal justice concentration.*

## DANCE

*Coordinator:*

*Christa Wellhausen, theatre studies and sport studies departments*

The dance concentration is intended for students of any major who wish to discover or continue the development of their creative, technical and performance skills in the fine art of dance. It serves especially well as a companion to majors in the departments of theatre studies, art, sport studies and education studies. The concentration seeks to reveal and reintegrate the experiences of mind, body and spirit and to explore the use of art in creating new contexts in which to understand and create personal meaning in life.

Emphases in the concentration include a discovery of the student's own expressive potential through the study of established physical dance techniques and the creation of thoughtful works,

participation in numerous performances and the developing of an understanding of dance within contemporary society.

### **Requirements.**

- Modern Dance I (SPST 112/THEA 101)  
2 credits
- Beginning Ballet (SPST 110/THEA 103)  
2 credits
- Jazz Dance (SPST 111/THEA 102)  
2 credits
- The Wonder of Dance (SPST 250/THEA 100) 4 credits
- Modern Dance II (SPST 113/THEA 201)  
2 credits
- Choreography (SPST 115/THEA 204)  
4 credits

## EAST ASIAN STUDIES

*Coordinator:*

*Hiroko Hirakawa, foreign languages department*

This concentration offers an interdisciplinary approach to the culture, history and contemporary issues of the area. Acquaintance with a diverse cultural tradition broadens students' perspectives and helps them appreciate the achievements of societies with different values and behavioral patterns. In so doing, the concentration helps students better understand their own culture and fosters a critical understanding of global interdependence in the 21<sup>st</sup> century.

**Requirements.** Four courses on East Asia from the following list, two of which must be taken at Guilford. To provide depth to the concentration, at least one of

the four courses must be at the 300 level or above.

- HIST 264: The Asian Pacific in Modern Times
- HIST 266: Contemporary China in Film
- HIST 268: History of Chinese Women
- HIST 383: Imperial China
- HIST 384: China in Revolution
- HIST 385: Medieval Japan
- HIST 386: Japan: The Road to War
- JAPN 201: Intermediate Japanese
- JAPN 220: Women in Modern Japan
- JAPN 221: Contemporary Japanese Society
- JAPN 310: Media, Gender, and Nation in Japan
- REL 106: Religious Meaning in Japanese Film and Literature
- REL 203: Buddhism, Ecology, and Society
- REL 205: Ethics and Human Nature in China
- REL 206: Chinese Religions and Ecology
- REL 312: Religion, Literature, and Nature in Japan
- REL 314: Religion, Aesthetics, and Nature in China
- THEA 341: East Asian Theatre

*Note: courses taken while in China or Japan also apply to the East Asian concentration.*

In the second semester of their senior year, students will meet with the East Asian studies faculty. The purpose of this meeting is to help students identify and articulate certain historical and cultural links that have emerged in the course of their study of East Asia. Each student will be asked to discuss one major issue in East Asia and to show how different courses/disciplines contributed to an understanding of that issue. Students who have participated in the China or Japan

programs abroad will be expected to discuss certain current issues as they pertain to their experience abroad.

## ECONOMICS

*Coordinators:*

*Robert G. Williams, economics department*

*Bob (Robert B.) Williams, economics department*

The economics concentration is a package of courses that will provide a career boost for students coming from other majors. In the concentration, students learn discipline-specific skills that prepare them for running their own businesses, becoming executives of corporations, managing non-profit enterprises, working for international or environmental organizations or becoming consultants in areas with a practical policy orientation. In addition, students develop transferable skills that prepare them for leadership positions in the widest range of activities, because institutions promote people who can think rigorously, view problems from different angles, make original discoveries about the world and present those discoveries in an articulate way. The economics concentration is an attractive asset on one's resume, and graduate programs in law, business administration, international studies and policy favor candidates with strong economics backgrounds.

*The concentration in economics is not available to economics majors.*

**Requirements.** Students must take a total of four courses in economics, including at least one basic training course (ECON 221 and/or ECON 222) and at least two upper-level courses (ECON 301

or higher), one of which must be a writing intensive (WRT) course (examples of WRT courses regularly taught are: ECON 335, ECON 336, ECON 432).

## EDUCATION STUDIES

*Coordinator:*

*Margaret Borrego, education studies department*

The education studies concentration helps students achieve knowledge and abilities important to citizens and parents, policy-makers in the work place and creators of learning/teaching activities. They develop habits of mind valuable in most professions and areas of responsibility. Through the concentration they are able to explore the possibility of education as a profession and bring closure to that work without commitment to licensure. Most importantly, they create a reflective framework for their own education.

Examples of possible directions for an education studies concentrator: A history major interested in museum education would take the concentration and do the final internship in a museum, either here or abroad. A science major interested in environmental education would take the concentration and do her/his final internship in an environmental education center, here or abroad.

*The concentration in education studies is not available to education studies majors.*

**Requirements.** The concentration consists of the first three courses in the major (EDUC 201, 202, 203) and a choice between Field Study in Cross Cultural Education (EDUC 301) or a four-hour internship at the 300 level, designed by the

student and an education studies faculty member in consultation with faculty in the student's major. Early courses in the concentration provide ample opportunity for the students to begin identifying questions and issues relating to education while the preparation for, supervision during and presentation of the field project enable them to refine those questions and issues in light of relevant experiences and study.

## ENGLISH

*Coordinator:*

*Jeff Jeske, English department*

The English concentration involves principally the study of literature, a form of art through which humankind has constantly struggled to express verbally the central concerns of the human condition as understood in each age. English concentrators at Guilford study the literatures of the English-speaking world, primarily focusing on traditional and non-traditional American and British writers. Courses in literatures in translation, including Caribbean and African literature, are also regularly offered.

Students are encouraged, if they wish, to focus their studies in either American, British or African American literature.

*The concentration in English is not available to English majors.*

**Requirements.** The concentration consists of four courses:

- Two 200-level literature courses (must include one survey course)
- Two upper-division (300- and/or 400-level) literature courses

Students will process the coherence of their concentration experience via a portfolio of work done in the four concentration courses. Students will submit this portfolio to the English concentration subcommittee of the English department. The portfolio will include a 5-7 page reflective paper. In this paper the student will 1) connect the goals and objectives of the concentration to his or her actual experience in the four chosen courses, and 2) explain how the courses have interacted to produce a comprehensive understanding of literature and its relevance.

## ENVIRONMENTAL STUDIES

*Coordinator:*  
*David M. Dobson, geology and earth sciences department*

Environmental studies provides an interdisciplinary program that emphasizes the relationship between humans and the environment. It allows students to study and address a fundamental issue of our times—the quality of the Earth’s environment and the sustainable use of its natural resources. The program’s focus on justice, global awareness, service to the larger community and the concept of nature as sacred are in keeping with Guilford’s five academic principles and its Quaker heritage.

**Requirements.** For the purposes of the environmental studies program, courses of environmental relevance at Guilford have been divided between science courses, or environmental science, and non-science

courses, or environmental policy and thought. The concentration will require that students take five courses total to complete the concentration:

- ENVS 101: Introduction to Environmental Studies
- Two courses in environmental science
- One course in environmental policy and thought
- An approved IDS 400 capstone course

At least one of the three middle student-selected courses (not ENVS 101 or IDS) must be at the 300 level or higher.

For a list of environmental science and environmental policy and thought courses, please see the description of the environmental studies major in Chapter IV. NOTE: A few courses (e.g., MATH 112) count for the environmental studies major, but not the concentration. So be sure to contact your adviser, the Office of the Registrar or the environmental studies Web site for a current list.

## FIELD BIOLOGY

*Coordinator:*  
*Lynn J. Moseley, biology department*

A concentration in field biology will allow students to select four courses that emphasize studies of animals and plants in their natural environment. The concentration aims to increase students’ awareness of the biological diversity of plants and animals in different habitats and to enable students to develop a detailed understanding of specific groups of animals (such as birds or fish) and plants (e.g., deciduous trees).

Courses in the field biology concentration involve hands-on work in

the field, supplemented by reading in the scientific literature and, where appropriate, by computer models or simulations. By careful selection of courses for the concentration, students will be able to study in all the major habitat types found in North Carolina. Through summer programs such as Seminars West, Biology and Geology of East Africa, School for Field Studies courses or courses at Biosphere II in Arizona, students are able to study in some of the most biologically rich field sites in the world. An independent research project could also substitute for one of the four courses in the concentration.

*The concentration in field biology is not available to biology majors.*

**Requirements.** Four courses are required to be selected from the following list. At least one course must be at the 300-level. Appropriate prerequisites are necessary for upper-level courses. For example, a student interested in studying primarily about animals would need to take General Zoology (BIOL 114) as one of her/his four courses, since General Zoology is a prerequisite for BIOL 334, 335 and 336.

- BIOL 114: General Zoology
- BIOL 115: General Botany
- BIOL 233: North Carolina Freshwater Fishes
- BIOL 240: Seminar West
- BIOL 242: Natural Science Seminars
- BIOL 324: Plant Biogeography
- BIOL 332: Invertebrate Zoology
- BIOL 333: Ichthyology
- BIOL 334: Animal Behavior
- BIOL 335: Vertebrate Field Zoology
- BIOL 336: Ornithology

- BIOL 438: General Ecology
- BIOL 350; 450: Special Topics (occasional one- or two-time offerings as faculty and student interest indicate)

## FORENSIC SCIENCE

*Coordinator:*

*Frank Keegan, biology department*

The concentration in forensic science provides students with a focused and coherent study of the techniques used by various disciplines to analyze evidence found at the scene of a crime. The focus is on the meaning and significance of physical evidence and its role in criminal investigations. Techniques and insights provided by the scientific areas of chemistry, biology, physics and geology are used to explore the utility and limitations that technology and knowledge impose on the individualization and characterization of forensic evidence.

The study of forensics makes science relevant and pertinent to the interests and goals of pre-law students and those interested in pursuing careers with the FBI or other law enforcement agencies, in pathology, in creative writing or with international agencies monitoring ethnic and political violence.

**Requirements.** The concentration consists of four courses:

- BIOL 245: Introduction to Forensic Science
- JPS 200: Criminal Procedure
- BIOL./CHEM 246: Forensic Chemistry
- BIOL 349: Forensic Anthropology

## FRENCH LANGUAGE AND SOCIETY

*Coordinator:*

*David J. Limburg, foreign languages department*

This concentration provides access to French culture as well as insights into our own culture. The program focuses on language-learning as a living, functioning and fun activity and combines the development of language skills with the discovery of new ways to see and think about different cultures. It fosters international understanding and provides knowledge and skills that are becoming increasingly essential in our evolving global society.

*The concentration in French language and society is not available to French majors.*

**Requirements.** Four four-credit courses at the 200 level or above, all taught in French. These courses must include:

- FREN 220: Introduction to Literary and Cultural Analysis
- A semester in a French-speaking country OR one of the following
  - FREN 310: Contemporary France
  - FREN 311: The Francophone World
  - FREN 323: Culture and Society—The Twentieth Century

## GERMAN LANGUAGE AND SOCIETY

*Coordinator:*

*David J. Limburg, foreign languages department*

This concentration provides access to German culture as well as insights into our

own culture. The program focuses on language-learning as a living, functioning and fun activity and combines the development of language skills with the discovery of new ways to see and think about different cultures. It fosters international understanding and provides knowledge and skills that are becoming increasingly essential in our evolving global society.

*The concentration in German language and society is not available to German or German studies majors.*

**Requirements.** Four four-credit courses at the 200 level or above, all taught in German. These courses must include:

- GERM 202: Intermediate German II
- A semester in a German-speaking country OR one of the following:
  - GERM 310: Contemporary German Culture
  - GERM 311: German Youth Culture
  - GERM 320: Culture and Society—The Weimar Republic

## HISTORY

*Coordinator:*

*Sarah S. Malino, history department*

The history concentration focuses on understanding the relevance of past events to contemporary concerns, researching the range of primary sources (oral, written, visual), reading these sources in the context of other information in order to determine the bias both of the sources and of their interpreters and writing and speaking clearly about the result. Our courses embrace actors and events from Africa, Asia, Europe and the U.S., from the pre-Christian era to recent times.

*The concentration in history is not available to history majors.*

**Requirements.** The concentration consists of four courses in one of the following three geographical/chronological clusters. Each student taking the history concentration must take at least *one 300-level course* within their chosen geographical region or chronological period.

#### Modern World History

- HIST 102: Western Europe since 1400
- HIST 150: Globalizing the World
- HIST 237: Europe in Revolution
- HIST 238: War and Peace: 20<sup>th</sup>-Century Europe
- HIST 242: Africa Since 1800
- HIST 255: The Second World War
- HIST 264: Asian Pacific in Modern Times
- HIST 384: China in Revolution
- HIST 386: Japan: The Road to War
- Plus any HIST 250 or 450 from the 19<sup>th</sup> and 20<sup>th</sup> C. (e.g., Modern Latin America)

#### European History

- HIST 101: The Medieval Web
- HIST 102: Western Europe since 1400
- HIST 233: Medieval Civilization
- HIST 235: Renaissance
- HIST 236: Reformation
- HIST 237: Europe in Revolution
- HIST 238: War and Peace: 20<sup>th</sup>-Century Europe
- HIST 255: The Second World War
- HIST 335: Ancient Greece
- HIST 336: The Elizabethan Age
- Plus any HIST 250 or 450 with a European theme (e.g., Cold War)

#### U.S. History

- HIST 103: U.S. to 1877
- HIST 104: U.S. since 1877

- HIST 222: North Carolina History
- HIST 223: Women's Lives in U.S. History
- HIST 225: African-American History
- HIST 302: Economic History of the U.S.
- HIST 303: U.S. Social History
- HIST 307: U.S. Diplomatic History
- HIST 308: Underground Railroad
- HIST 311: U.S. History Since 1945
- HIST 315: Civil Rights Movement
- Plus any HIST 250 or 450 with a U.S. theme

## INTEGRATED SCIENCE

*Coordinator:*

*Lynn J. Moseley, biology department*

The integrated science concentration is designed to provide students with a broad exposure to a variety of scientific disciplines. Such a broad exposure is essential for citizens and potential leaders who seek to understand the breaking news stories that dominate the headlines in the 21<sup>st</sup> century. Intelligent decision-making on issues such as stem cell research, the use of the anthrax bacillus as a biological weapon, the ozone holes and potential remedies or the underlying causes of global warming, require knowledge of chemistry, mathematics, physics, geology and biology. Completion of the integrated sciences concentration will provide a solid underpinning for advanced study in the sciences, as well as an appropriate background for students interested in pursuing careers in business, journalism, the law, the social sciences or politics.

**Requirements.** The integrated natural science concentration requires the completion of at least four courses (16 credits). One of the four courses must be a 300-level capstone course. In some cases a student might have to take more than three courses to meet the prerequisites of a capstone course.

- Students must take *three* of the following:
  - BIOL 114: General Zoology
  - CHEM 111: Chemical Principles I
  - CHEM 112: Chemical Principles II
  - MATH 112: Elementary Statistics
  - MATH 115: Elementary Functions
  - MATH 121: Calculus I.
  - MATH 122: Calculus II.
  - MATH 123: Accelerated Calculus (For students capable of completing Calculus I and II in one semester).
  - PHYS 121: Physics I
  - PHYS 122: Physics II
  - PHYS 211: College Physics I
  - PHYS 212: College Physics II

*Note: PHYS 121 and PHYS 211 may not both be used to fulfill the concentration.*

- Students must take *one* of the following as a capstone:
  - BIOL 313: Cell Biology.  
Prerequisites: BIOL 114; CHEM 112 or BIOL 246.
  - CHEM 331: Physical Chemistry I.  
Prerequisites: MATH 122 or 123; PHYS 122 or 212; PHYS 320 is suggested as a pre-requisite or co-requisite.
  - CHEM 341: Instrumental Analysis.  
Prerequisites: CHEM 112 and MATH 122 or 123.

## INTERNATIONAL POLITICAL ECONOMY

*Coordinators:*

*Robert G. Williams, economics department*

*Kenneth E. Gilmore, political science department*

Understanding the complexities of global finance, production and trade; describing and explaining the patterns of capital accumulation on a world scale; clarifying the connections among state-making, international markets and world development—requires the integration of the theoretical insights of the disciplines of economics and political science. The international political economy concentration encourages students to explore the interplay of economics and politics in the global arena. Students will learn the contending analytical perspectives that characterize scholarship on the politics of international economic relations. Students will also become familiar with the tools of economic analysis, including how to read a balance of payments table, how to analyze a foreign exchange market and how to evaluate the impact of international capital flows on domestic policy. The basic principles developed in introductory level courses are applied to real-world issues in the upper-level course electives.

**Requirements.** Students take two courses from economics and two from political science as follows:

- Students must take *both* ECON 221: Macroeconomics *and* PSCI 330: International Political Economy at the beginning of the concentration
- One additional economics course from among the following WRT (writing intensive) courses: ECON 335/IDS 401: Comparative Economic Systems,

ECON 336/IDS 401: Economic and Social Development of Latin America, or ECON 432: International Economics

- One additional political science course from among the following: PSCI 445: Globalization and Its Discontents, IDS 401: Global Inequality.

## INTERPERSONAL COMMUNICATION

*Coordinator:*

*Richard L. Zweigenhaft, psychology department*

In an increasingly complex and socially diverse world, individuals need to be able to communicate effectively and to develop and maintain strong personal relationships with people close to them and from very different backgrounds. This interdisciplinary concentration engages studies in examining interpersonal communication in order to understand communication processes and styles and the subtle ways cultural differences enhance or inhibit relationships. Courses in the concentration explore both intrapersonal communication (internal mental and emotional processes that shape selection and interpretation of communication) and interpersonal communication (the process through which individuals interact, build relationships and create meaning). Students study conflict and ways in which it can be managed and transformed to enhance relationships. The influence and importance of understanding cultural differences and their impact on interpersonal communications is examined throughout the concentration.

The concentration would be of special interest to adults seeking to communicate more effectively with family members, friends and intimate partners. Courses in the concentration feature highly interactive and experiential activities in the classroom and local community that integrate and apply communications theory to authentic personal relationships.

### Requirements.

- Introductory course—JPS 270: Interpersonal Communications
- JPS 244: Conflict Resolution Strategies
- JPS 323: Diversity at Work
- Capstone course—JPS 450: Multicultural Communications

*Note: This concentration will be offered only in the evening schedule with enrollment priority given to CCE students, with main campus students on a “space available” basis.*

## JAPANESE LANGUAGE AND SOCIETY

*Coordinator:*

*David J. Limburg, foreign languages department*

This concentration provides access to Japanese culture as well as insights into our own culture. The program focuses on language learning as a living, functioning and fun activity and combines the development of language skills with the discovery of new ways to see and think about different cultures. It fosters international understanding and provides knowledge and skills that are becoming increasingly essential in our evolving global society.

**Requirements.** Five four-credit courses.

These must include:

- Four Japanese language courses at the 100 level or above
- A semester in Japan OR one intercultural course on Japan taught in English.

## LATIN AMERICAN STUDIES

*Coordinator:*

*Sylvia Trelles, foreign languages department*

This concentration offers an interdisciplinary approach to cultures, history and current issues of the area. An acquaintance with a diverse cultural tradition will broaden students' perspectives and help them understand and appreciate the achievement of societies with different cultural values and behavioral patterns. In so doing, the program fosters a critical understanding of global interdependence in the 21<sup>st</sup> century.

**Requirements.** The concentration consists of four courses on Latin America from the following list. Spanish language courses are not acceptable; however, content courses taught in Spanish are. To provide depth, at least one of the four courses must be at the 300 level or above. At least two of the courses must be taken at the Guilford campus.

- ENGL 378: Caribbean Literature
- ECON 336: Economic and Social Development
- ECON 432: International Economics\*
- SPAN 310: Contemporary Latin America

- SPAN 320: Culture and Society—Mexico, Central America and Caribbean
- SPAN 322: Culture and Society—South America
- SPAN 340: Film, Life and Literature of Latin America
- SPAN 402: Senior Seminar—Latin American topics
- HIST 250: Modern Latin America
- SOAN 250: Inequality in Latin American Societies

*\* student must do all projects and main papers on Latin America*

Students meet the Latin American studies faculty in the second semester of their senior year. The purpose of this meeting is to help students identify and articulate certain historical and cultural links that have emerged in the course of their study. Each student will be asked to discuss one major issue in Latin America and to show how different courses/disciplines contributed to an understanding of that issue.

## MATHEMATICS FOR THE SCIENCES

*Coordinator:*

*G. Randolph Gordb, Jr., mathematics department*

Mathematics is often called the language of the sciences. As such it provides a means by which scientists model that which they observe in the "worlds" they seek to describe and those simulated in their laboratory experiments. A primary means of such modeling is through the use of elementary functions whose analysis is a major focus of calculus.

Mathematics for the sciences is a concentration within mathematics itself that provides students with the understanding of and techniques for modeling using the elementary functions and techniques of calculus. The concentration is designed primarily for physics and other natural science majors who are interested in modeling or are preparing for graduate study. However, it is appropriate as well for some social science and business and policy study majors, especially those interested in economic systems.

*The concentration in mathematics for the sciences is not available to mathematics majors.*

**Requirements.** Four four-credit courses are required, including Multivariable Calculus (MATH 225) for which one-variable calculus course (MATH 121 and 122, or MATH 123) is pre-requisite. One to three of the four courses required—depending on where students begin—are calculus courses. The remaining one to three courses required are selected from among:

- MATH 310: Probability and Statistics
- MATH 320: Mathematical Physics
- MATH 325: Linear Algebra
- MATH 475: Seminar in Mathematics (for those who begin with MATH 225)

## MEDIEVAL / EARLY MODERN STUDIES

*Coordinator:*

*Timothy Kircher, history department*

The medieval and early modern period (ca. 400-1800 C.E.) has been profoundly formative of the world we live

in today. Study of this period, a time markedly different from our own, provides a crucial vantage point for understanding the present age. The medieval/early modern studies concentration aims at introducing students to interdisciplinary developments in literature, religion, history, philosophy and culture. It explores such matters as: the determination of life's meaning; the encounter with diverse civilizations; the pursuit (or evasion) of truth through reason, faith and experience; the unsettled confluence of three great world religions (Christianity, Judaism and Islam); the relation among religion, arts and science; the origins of romantic love and humanism; the development of bourgeois society and urban centers out of feudalism and manorialism; the emergence of the great national literatures of Europe; and the shaping of the mythological foundations of the modern West.

Although the locus of study is clearly Europe, students may take courses in medieval China, Japan and Africa, which offer alternative perspectives on this time period and our own.

**Requirements.** The concentration consists of four courses of the student's choosing, in addition to the required one-credit GST 225: Medieval People, a series of informal lectures given by interested faculty across all academic disciplines. The following courses may count toward the concentration, in addition to others that may be approved in advance by the concentration coordinator.

- ART 274: Renaissance Art
- ENGL 221: British Literature I
- ENGL 223: Shakespeare
- ENGL 320: Chaucer and His Age
- ENGL 324: 18<sup>th</sup>-Century Survey
- FREN 320: Culture and Society
- FREN 321: Age of Absolutism

- HIST 101: The Medieval Web
- HIST 233: Medieval Civilization
- HIST 235: The Renaissance
- HIST 236: Reformation
- HIST 241: Africa Before 1800
- HIST 336: The Elizabethan Age
- HIST 383: Imperial China
- HIST 385: Medieval Japan
- PHIL 202: Modern Western Philosophy
- PSCI 203: Classics of Political Thought
- REL 337: History of Christianity
- SPAN 323: Culture and Society
- THEA 230: Theatre and Culture I

In order to provide coherence to the concentration, students are required to build a portfolio of major essays that they have written in each of their four courses. Students will cap this portfolio with an analytical summary prior to completing the concentration.

## MONEY AND FINANCE

### *Coordinators:*

*Raymond E. Johnson, accounting department*

*Betty T. Kane, business management department*

*Robert G. Williams, economics department*

The money and finance concentration is a package of courses designed to prepare students to be successful in a wide variety of careers, including banking, investments and international business. The central skills that students learn in these courses are to read and analyze critically an organization's financial reports and to think strategically about positioning an organization in the financial environment. The money and finance concentration provides students with an introduction to the economic environment and basic economic, accounting and finance concepts,

a complete introduction to the banking system and tools that can be applied to for-profit and not-for-profit businesses.

The concentration enhances and complements major fields of study such as accounting, management and economics. It also prepares liberal arts students to understand money and to participate more effectively in the world of work. The concentration provides grounding in practical applications that will serve students well throughout their lives and would be a useful addition on a transcript for job applications.

**Requirements.** Students must take the following four courses (Please note prerequisite requirements):

- ACCT 201: Introduction to Accounting
- ECON 221: Macroeconomic Principles
- BUS 332: Financial Management\*
- ECON 450: Money and Banking OR BUS 333: Money and Capital Markets

\*Additional prerequisites for BUS 332 include MATH 112: Elementary Statistics or MATH 121: Calculus I, ACCT 301: Intermediate Accounting I and BUS 241: Computers and Management.

## MUSIC

### *Coordinator:*

*Timothy H. Lindeman, music department*

The music concentration offers students the opportunity to explore the world of music, both in academic situations as well as in performance. A student can complete it by taking four academic courses (two of which are specified by the department) or by taking two academic courses and a variety of

performance studies or ensembles. Thus a student can pursue an interest in either theory and history or performance areas.

The concentration will engage the student on many levels: intellectually, emotionally and creatively. By requiring two specific courses, the department guarantees that the student receives exposure to important theoretical and historical constructs while at the same time being free to pursue a performance goal or contribute to the campus community by taking part in ensembles.

*The concentration in music is not available to music majors.*

**Requirements.** Students take a minimum of 16 credits' worth of courses with the MUS prefix. These must include:

- MUS 101: Music Theory I
- MUS 310: Music History I OR MUS 311: Music History II
- Additional courses including ensemble (choir, jazz, orchestra, band or guitar), private lessons or academic courses

## NON-PROFIT MANAGEMENT

*Coordinator:*

*William F. Stevens, business management department*

This concentration provides students with basic management concepts and tools to enhance the marketability of their liberal arts education, as well as prepare them to understand and participate more effectively in work in the non-profit sector. It will provide grounding for non-management majors in practical applications that will serve them well throughout their lives.

**Requirements.** Students take the following *four courses, plus an internship* that is focused on the student's particular area of interest in the non-profit sector.

Alternatively, students with prior work experience in the non-profit sector may do an independent study relating to the work experience or petition to substitute IDS 401: Business Ethics (or another IDS 401 approved by the chair of the business management department) for the internship component.

- ACCT 201: Introduction to Accounting
- BUS 120: Introduction to Business OR BUS 249: Principles of Management
- BUS 371: Nonprofit Management
- *One of the following (business management majors must take three of the following, because the first two above are required for the major):*
  - ECON 222: Microeconomics Principles
  - JPS 244: Conflict Resolution Strategies
  - JPS 313: Law and Society
  - JPS 323: Diversity at Work
  - PSCI 204: Introduction to Public Policy
  - PSCI 240: American Political Thought
  - PSY 250/350: Industrial and Organizational Behavior
  - SOAN 102: Social Problems
  - SOAN 229: Social Organization of Work
  - SOAN 345: Personal and Social Change
  - SOAN 346: Mediation and Conflict Intervention

# ORGANIZATIONAL COMMUNICATION

*Coordinator:*

*Richard L. Zweigenhaft, psychology department*

This concentration provides substantive interdisciplinary focus on communication processes and systems that operate in organizations of all kinds and affect the performance of functional units and their employees with a vital impact on organizational outcomes, employee morale and teamwork. Research indicates that specific knowledge of internal and external communication processes is important for managers and employees at all levels. Courses in the concentration draw upon theory and research from several social sciences with multiple practical applications to organizational communication and resource management

Students choosing this concentration will give sustained attention to the direct and indirect ways in which communication processes and social dynamics affect organizations and employee interaction. They will learn how to adapt communication approaches for colleagues, supervisors and interdependent work teams. This concentration will have particular relevance for managers working in large and small organizations, including volunteer and non-profit groups, government agencies, law enforcement, social and health services, small businesses and large corporations. Students will gain greater understanding of organizational structures and communication processes and learn to be more effective as individuals, managers and members of work groups.

**Requirements.** Four courses:

- Introductory course: JPS 250: Organizational Communication and Teamwork
- Three electives chosen from the following:
  - JPS 244: Conflict Resolution Strategies
  - BUS 321: Human Resources Management
  - JPS 323: Diversity at Work
  - PSY 332: Industrial and Organizational Psychology

Students pursuing this concentration must write *one paper of six pages in length in each of the four courses*. The paper will fulfill a course assignment and also provide coherence by demonstrating how key constructs and processes of organizational communication apply to the content and processes of the specific course. The coordinator will work with each instructor to use a prepared template.

*Note: This concentration will be offered only in the evening schedule with enrollment priority given to CCE students, with main campus students taken on a "space available" basis.*

# PEACE AND CONFLICT STUDIES

*Core Faculty:*

*Vernie Davis, sociology and anthropology department*

*Kenneth E. Gilmore, political science department*

*Max L. Carter, director of Friends Center and campus ministry coordinator*

Peace and conflict studies offers an interdisciplinary concentration that studies

the nature of conflict and violence, the possibilities of social change and means for resolving and transforming conflict nonviolently. It draws on Guilford's Quaker heritage by seeking the roots of situations of injustice and oppression, exploring nonviolent social change, emphasizing each individual's search for truth within different levels of community and focusing on practical problem-solving. The concentration melds two related fields of study, conflict resolution and peace studies, in a complementary, creative interaction. It encourages an interdisciplinary, holistic relationship between personal and social change, structured modes of conflict resolution and creative nonviolent activism, careful analysis of structural violence and exploration of spiritual foundations for peaceable living and action.

Students in the concentration engage in critical analysis in several key components of the field: theories of war and peace, central concepts in Peace Research, the interrelation between the personal, local and global levels of conflict and possibilities of reducing conflict and methods and practices of conflict resolution, reduction and transformation. Students build skills that help them to solve problems of violence and conflict, to listen carefully and caringly to others in the midst of conflict and to contribute to organizing groups and actions concerned with social change and conflict resolution and transformation.

**Requirements.** Because peace and conflict studies is an interdisciplinary concentration, courses must come from at least two areas of study. The concentration consists of four courses and an internship experience. The four courses must include one 300-level core course, preferably taken

during the junior year, and a senior integrative experience, which will normally be a designated IDS 400. The concentrator may choose two additional courses, either general or core, at any level.

#### General Courses:

- ECON 432: International Economics
- GST 250: Community Development (Mexico)
- HIST 225: African American History
- HIST 237: Europe in Revolution, 1789-1914
- HIST 255: The Second World War and Society
- HIST 308: The Underground Railroad
- HIST 315: Civil Rights Movement
- JPS 220: Community Building Fundamentals
- JPS 244: Conflict Resolution Strategies
- JPS 424: Trust and Violence
- JPS 425: Family Violence
- PSCI 103: International Relations
- PSCI 445: Globalization and Its Discontents
- REL 103: Voices of Liberation
- REL 203: Buddhism, Ecology and Society
- REL 233: Peace, War and Justice
- REL 312: Humanistic Ecology
- SOAN 104: Tribes, States, Global Society
- SOAN 346: Mediation and Conflict Intervention
- SOAN 413: Gender Violence

#### Core Courses:

- PSCI 345: Avoiding War, Making Peace
- REL 330: Nonviolence: Theories and Practice
- REL 450: Religion and Resistance
- SOAN 345: Personal and Social Change

**Internship Experience.** The concentration requires an internship

experience that may be completed in a variety of ways: 1) as a regular 2-4 credit peace and conflict studies internship; 2) as a credit-bearing internship in the student's major or in another concentration that has a strong peace and conflict studies component to it (including a paper that explains the relation of the internship to peace and conflict studies); 3) as a non-credit "internship-like" experience during the summer, semester or spread over a period of time (including a paper explaining the relevance of the experience to peace and conflict studies for approval by the adviser for the concentration). The internship experience is best completed in the junior or senior year.

**Advising.** A concentrator needs to work with a peace and conflict studies adviser as well as a major adviser. The adviser should be chosen from the core faculty for peace and conflict studies. The student will work with the adviser to construct the internship experience and to assure that the interdisciplinary requirements of the concentration have been met.

## PHILOSOPHY

*Coordinator:*

*Nancy Daukas, philosophy department*

The philosophy concentration consists of four courses. Together, they enable students to: develop and awareness of the breadth and depth of the field of philosophy; develop the skills used in, and virtues central to, philosophical inquiry and debate, at least to a degree of excellence reasonable to expect of a non-major; and engage students as active participants in that inquiry and debate.

*The concentration in philosophy is not available to philosophy majors.*

### Requirements.

- PHIL 100: Introduction to Philosophy OR PHIL 111: Ethics
- PHIL 201: Ancient Western Philosophy OR PHIL 202: Modern Western Philosophy
- One elective
- PHIL 401: Contemporary Analytic Philosophy (capstone)

## PHILOSOPHY OF MATHEMATICS

*Coordinators:*

*Nancy Daukas, philosophy department*

*Elwood G. Parker, mathematics department*

The portals to Plato's academy contained the message (paraphrased): "Let no one enter here who does not know mathematics." As this quotation suggests, there is a rich history to the connections between mathematics and philosophy. The philosopher-mathematician tradition continues today and can be found in, among others, the theories of Formalism, Intuitionism and Platonism.

Philosophy of mathematics is a cross-disciplinary and cross-divisional concentration that investigates the connections between philosophy and mathematics. It is particularly designed as a companion to either a philosophy or mathematics major.

**Requirements.** Four four-credit courses are required. One—a senior-level, capstone seminar: MATH 475/PHIL 450—is

required of all students. Three others depend on the major of the student.

Required of Philosophy Majors:

- Calculus (at the MATH 121 level or above)
- Statistics (MATH 112 or MATH 310)
- Foundations of Mathematics (MATH 231) or Geometry (MATH 235)

Required of Mathematics Majors:

- Ancient and Medieval Western Philosophy (PHIL 201) or Modern Western Philosophy (PHIL 202)
- Formal Logic (PHIL 292)
- Topics in Contemporary Philosophy (PHIL 401)

## PHYSICS

*Coordinator:*

*Thomas P. Espinola, physics department*

The common thread connecting the different goals and focuses of students pursuing a physics concentration is the physicist's approach to thinking about, modeling and understanding the universe. This process relies on clear, analytical and often abstract thinking but is ultimately grounded in concrete reality as exposed by experiment. Reaching a clear, realistic understanding of some aspect of the world is of value in not only science and engineering, but also business, medicine, law and many other fields.

The physics concentration will be most useful for majors in other sciences or education who wish to increase their exposure to analytical, mathematical and computational tools which they may later wish to use in their chosen fields of study. These may include chemistry majors

interested in physical chemistry, geology majors interested in geophysics and biology majors interested in biophysics. Mathematics majors wishing to gain experiences with hands-on, real-world problems that require the tools of mathematics would also be interested in this concentration. The concentration will be of value to students in other fields and will be individualized to maximize exposure to skills useful the individual in his or her chosen field of study.

*The concentration in physics is not available to physics majors.*

**Requirements.** Each student pursuing the physics concentration will design a program of study with his or her adviser(s) that includes 16 credits of physics, at least 4 of which must be in experimental physics and 8 in theoretical physics. Most students will choose to take Physics I, II and III. An independent research project is optional but encouraged.

## POLITICAL SCIENCE

*Coordinator:*

*Kenneth E. Gilmore, political science department*

Political science is the study of politics and government. More broadly defined, it is the study of values, behaviors and institutions that relate directly or indirectly to the making of policy in society. It is concerned with the rights and responsibilities of citizens and the relations of people with their governments. At Guilford, political science is an integral part of the liberal arts curriculum. Perceived as both an art and a science, the discipline allows students to study political behavior in its ideological, cultural, historical and

institutional settings. The curriculum provides students with a broad knowledge of domestic and foreign political institutions, processes and issues. A grouping of political science courses will offer non-political science majors insight into how decisions relating to scarce resources are made.

*The concentration in political science is not available to political science majors.*

**Requirements.** Students may complete a concentration in political science by taking four courses, *two of which must be introductory courses* (PSCI 101: American Political Systems; PSCI 103: International Relations; PSCI 203: Classics of Political Thought; PSCI 205: Comparative Politics) *and two of which must be upper-division* (300- and 400-level) courses.

In addition, students are required to write a *reflective paper* bringing together their diverse experiences in the concentration. This reflective paper must be submitted to the political science department during the semester in which a student completes her or his final course for the concentration. Faculty in the department will grade the reflective paper pass/fail and a pass is necessary for successful completion of the concentration. It is expected that students will plan their course of study with an adviser in the department and develop a theme or focus they wish to pursue.

## PSYCHOLOGY

*Coordinator:*

*Jerry Caris Godard, psychology department*

The program in psychology emphasizes the contribution that psychology can make to a liberal arts

education through stimulating intellectual development, personal growth, respect for others and social responsibility. The psychology curriculum is designed to familiarize students with current methods and theories in the many specialized areas of investigation in the discipline, such as biopsychology, sensation and perception, cognition, learning, personality, social processes, clinical and development.

Students electing a concentration in psychology will identify a particular focus in the field, and, with the assistance of an adviser, select courses to fit that interest. Throughout the concentration, they will be encouraged to appreciate different approaches and perspectives; to learn to observe psychological phenomena; and to recognize the role of multiple causation in the determination of human behavior.

*The concentration in psychology is not available to psychology majors.*

**Requirements.** Students must take four courses, *at least one of which is one of the three introductory level survey courses* (PSY 100: General Psychology; PSY 224: Developmental Psychology; and PSY 232: Introduction to Personality) *and two of which are upper-level courses* (independent studies, internships and special topics can be included).

Since the concentration is so individualized, and to insure its coherence, the interested student should declare it early in order to take maximum advantage of the required collaboration with a departmental adviser. We recommend that a written form be presented to, and signed by, the chair of the department, and taken to the Office of the Registrar, along the same lines as the current form declaring a major. (To insure completion of the concentration with four courses, we recommend that such declaration be made

before the student begins the third psychology course.)

In addition to completing the four courses approved by an adviser, students are required to write a *three- to five-page statement* about these four courses and submit it to the department chair; this statement should indicate the coherence of the particular courses taken, including some discussion of both the breadth of the material studied and the depth of the student's special interests. The statement is to be signed by the psychology departmental adviser, who, in turn, submits it to the chair of the psychology department. If the department chair thinks revisions are necessary, he or she will ask for them.

## QUAKER STUDIES

### *Coordinator:*

*Max L. Carter, director of Friends Center and campus ministry coordinator*

The Quaker studies concentration explores Quaker spirituality in relation to the world. Through study of Quaker history and "social testimonies" (social ethics), it uses the perspective of this world-mending spirituality to reflect on justice issues. As an interdisciplinary exploration it seeks to understand forms of systemic oppression in our time (such as sexism, racism, classism, militarism, religious imperialism and environmentalism) and how to transform them.

This study will develop several kinds of thinking in speaking, listening and writing: analysis, criticism, imagination, textual interpretation, social problem-identification and problem-solving and

self-reflective exploration. It will investigate the interrelated subtle aspects of individual selves, characteristics of a religious movement, large but obscured social systems and the student's own religious and ethical commitments.

### **Requirements.**

- Introductory Seminar—GST 105: Quaker Social Testimonies and Spiritual Roots (2 credits)
- REL 110: Quakerism or REL 235: Quaker Origins
- Justice (Social/Environmental)—two 4-credit courses from the following:

#### Integrity

- BIOL 212: Environmental Science
- ECON 344: Environmental and Resource Economics
- GEOL 121: Environmental Geology
- IDS 423: Ethical Issues in Biology and Medicine
- REL 120: American Nature Writing
- REL 312: Humanistic Ecology
- THEA 243: Plays and Meaning

#### Simplicity

- IDS 405: Quakers, Community and Commitment
- FYE 101: Plain People

#### Equality

- ECON 450: Women and the Economy
- ECON 450: Women and Children and Economic Policy
- ENGL 224: Self Image in Women Writers
- ENGL 230: African American Literature
- ENGL 331: Black Women Writers
- HIST 223: Women Lives in the U.S. History

- HIST 225: African American History
- HIST 308: The Underground Railroad
- HIST 315: The Civil Rights Movement
- PHIL 111: Ethics
- PSCI 436: Civil Rights and Liberation
- REL 103: Voices of Liberation
- REL 222: Feminist Theology
- REL 450: Women, Body, Voice
- SOAN 313: Sociology of Sex and Gender
- SOAN 265: Racial and Ethnic Relations

#### Peace

- JPS 244: Conflict Resolution
- JPS 425: Family Violence
- REL 233: Peace, War, and Justice
- REL 330: Nonviolence—Theories and Practice

#### Community

- IDS 405: Quakers, Community, Commitment
- IDS 424: The Sea and Us
- JPS 313: Law and Society
- PHIL 247: Philosophy of Law
- REL 203: Buddhism, Ecology, Society
- REL 206: Chinese Religions and Ecology
- REL 313/IDS 412: Nature, Culture, Religion.

#### Plus

- Culminating Seminar—GST 450: World-Mending Spirituality (2 credits)
- Internship

## SOCIOLOGY

#### *Coordinator:*

*Edwina Laban Gwako, sociology and anthropology department*

The Department of Sociology and Anthropology promotes the study of society and culture. Since people live every aspect of life within a complex sociocultural environment, it is possible to develop the self fully only with extensive knowledge of that environment. Both disciplines focus on the ubiquitous processes of social organization and the ways in which human knowledge, behavior and institutions are socially and culturally influenced. Sociology at Guilford includes an added focus on structural analysis of the institutionalization of values that contribute to social problems such as violence, racism, sexism, class stratification and intolerance generally in organizations.

*The concentration in sociology is not available to SOAN majors.*

**Requirements.** The concentration consists of four courses:

- SOAN 101: Principles of Sociology AND/OR SOAN 102: Social Problems
- One or two 200- or 300-level elective sociology courses from the following list:
  - SOAN 213: Class, Race, Gender
  - SOAN 229: The Social Organization of Work
  - SOAN 250: Special Topics
  - SOAN 260: Internship
  - SOAN 265: Racial and Ethnic Relations
  - SOAN 275: Contemporary Mexico
  - SOAN 313: Sociology of Sex and Gender
  - SOAN 339: Sociological Methods

- SOAN 341: Sociological Theory
- SOAN 350: Special Topics
- One capstone seminar at the 400-level, to be taken at the end of the four-course sequence.

Once the student has taken the three introductory and/or elective courses in sociology, s/he is prepared to declare, in written form, her/his intention to concentrate in the discipline. The declaration is to precede enrollment in the capstone 400-level seminar and should include a statement regarding the links among the three previously completed courses and the requested seminar.

## SPANISH LANGUAGE AND SOCIETY

*Coordinator:*

*David J. Limburg, foreign languages department*

This concentration provides access to Spanish-speaking cultures as well as insights into our own culture. The program focuses on language-learning as a living, functioning and fun activity and combines the development of language skills with the discovery of new ways to see and think about different cultures. It fosters international understanding and provides knowledge and skills that are becoming increasingly essential in our evolving global society.

*The concentration in Spanish language and society is not available to Spanish majors.*

**Requirements.** Four four-credit courses at the 200 level or above, all taught in Spanish. These courses must include:

- SPAN 220: Introduction to Literary and Cultural Analysis

- A semester in a Spanish-speaking country, OR one of the following:
  - SPAN 310: Contemporary Latin America
  - SPAN 311: Contemporary Spain
  - SPAN 340: Film, Life and Literature of Latin America
  - SPAN 341: Contemporary Spain—Spain Comes of Age

## SPORT ADMINISTRATION

*Coordinator:*

*Clay E. Harsban, sport studies department*

The sport administration concentration provides students the basic competencies desired in the administration of athletics, recreation and sport. In addition to obtaining theoretical knowledge in the classroom, students have the opportunity to apply their knowledge in a practical experience of organizing and managing a sport event. Students are not required to major in either the sport studies or management departments.

The goal of the sport administration concentration is to develop ethical, competent, thoughtful, confident and creative practitioners of sport administration such as athletic directors, YMCA and recreation department directors and operators of sport facilities.

*The concentration in sport administration is not available to sport management majors.*

**Requirements.** The sport administration concentration requires 18 credit hours of study. The concentration requires four academic theory courses and one practical application course. The requirements are as follows:

- SPST 130: Introduction to Sport Management
- SPST 232: Sociology of Sport and Exercise
- SPST 233: Event Management (2 credits)
- SPST 430: Integrative Sport Management
- Students select one of the following:
  - SPST 231: Facility Design and Management
  - SPST 431: Sport Marketing
  - SPST 432: Legal Aspects of Sport and Exercise

## SPORT MARKETING

*Coordinator:*

*Clay E. Harshaw, sport studies department*

The sport marketing concentration provides students the basic competencies desired in the promotion and marketing of athletics, fitness, recreation and sport. Its goal is to develop ethical, competent, thoughtful, confident and creative practitioners of sport marketing for organizations such as the YMCA, community recreation departments, sport facilities, professional sports teams, sporting goods manufacturers, fitness centers and interscholastic athletic departments. In addition to the theoretical knowledge obtained in the classroom, students have the opportunity to apply their knowledge in a practical experience through course assignments.

Students from any department are eligible to have a concentration in sport marketing. Students choosing this concentration should be motivated in the proper and ethical promotion and

marketing of sport programs and products.

### **Requirements.**

- SPST 232: Sociology of Sport
- BUS 330: Sales and Advertising
- SPST 335: Sport Communication
- SPST 431: Sport Marketing

## THEATRE STUDIES

*Coordinator:*

*John Zerbe, theatre studies department*

The concentration in theatre studies provides students with the opportunity to study an intensely collaborative art form from three perspectives: design or technical production, dramatic literature or theatre history and performance. It explores the unique responsibilities carried by different members of the creative staff as they conceive and execute a theatrical production.

*The concentration in theatre studies is not available to theatre studies majors.*

**Requirements.** Students must take one four-credit course in each of the three following categories, one from any place in the department curriculum and a practicum (1-4 credits).

Design/Technical Production

- THEA 110: Play Production
- THEA 170: Visual Composition in Film
- THEA 271: Set Design
- THEA 275: Costume Design
- THEA 370: Digital Sound Design

Dramatic Literature/Theatre History

- THEA 130: Theatre and Culture I
- THEA 131: Theatre and Culture II

- THEA 240: East Asian Theatre
- THEA 243: Plays and Meaning
- THEA 340: Drama of Difference
- ENGL 210: Playwriting Workshop
- Any four-credit English class focusing exclusively on drama

#### Performance

- THEA 121: Voice and Body
- THEA 125: Fundamentals of Acting
- THEA 225: Acting Studio
- THEA 280: Play Direction—with permission
- THEA 322: Acting for the Camera

Students will process the coherence of their concentration experience by participating in no fewer than *two reviews* with department faculty—offered once annually each year. The review requires a written assessment of personal development as relates to the goals of the concentration, and a formal group conversation with department faculty and other theatre students.

## VISUAL ARTS

#### *Coordinators:*

*Roy H. Nydorf and Adele Wayman,  
art department*

The visual arts concentration allows students from any major to pursue a focused exploration of ceramics, design, drawing, painting, photography, printmaking, sculpture or art history.

*This concentration is not available to art majors.*

**Requirements.** The Department of Art offers eight tracks in the visual arts concentration. In general, students are

asked to take an introductory design course appropriate to their focus, two courses in a particular area and one art elective that advances their individual interest in art.

#### Photography

- ART 102: Two-dimensional Design
- ART 130: Photography I
- ART 231: Photography II
- Art elective – chosen in consultation with the art instructor responsible for photography.

#### Printmaking

- ART 102: Two-dimensional Design
- ART 221: Woodcut
- ART 322: Color Printmaking (or Etching)
- Art elective – chosen in consultation with the art instructor responsible for printmaking.

#### Painting

- ART 102: Two-dimensional Design
- ART 211: Painting I
- ART 212: Painting II
- Art elective – chosen in consultation with the art instructor responsible for painting.

#### Sculpture

- ART 106: Three-dimensional Design
- ART 251: Sculpture I
- ART 352: Sculpture II
- Art elective – chosen in consultation with the art instructor responsible for sculpture.

#### Ceramics

- ART 106: Three-dimensional Design
- ART 140: Ceramics I
- ART 240: Ceramics II
- Art elective – chosen in consultation with the art instructor responsible for ceramics.

## Drawing

- ART 102: Two-dimensional Design
- ART 104: Drawing I
- ART 204: Life Drawing OR ART 205: Drawing II
- Art elective – chosen in consultation with the art instructor responsible for drawing.

## Design

- ART 102: Two-dimensional Design
- ART 106: Three-dimensional Design
- ART 245: Digital Darkroom or THEA 371: Digital Graphic Design
- Art elective – chosen in consultation with chairperson of art department.

## Art History

- ART 102: Two Dimensional Design OR Art 104: Drawing I OR ART 106: Three-dimensional Design
- Two art history courses
- Art elective – chosen in consultation with chairperson of art department

# WOMEN'S STUDIES

### *Coordinator:*

*Carol Stoneburner, coordinator of women's studies*

The women's studies concentration is designed to provide the opportunity for students (men and women) to focus on women's experiences from a number of different disciplinary perspectives. This concentration also seeks to study and clarify issues of gender definitions of women and men and to study efforts to foster gender equality.

The concentration should be useful for students who want to explore in more

depth women's historical, economic, social, political, religious and artistic contributions. The concentration provides an opportunity for analyzing and theorizing about an area of important social change.

**Requirements.** Four of the following courses (including at least one IDS 400 course) plus an internship (which can be one to four credits and can be done off-campus, on-campus and sometimes as part of study abroad):

- ECON 450/IDS 401: Women and the Economy
- ENGL 151: Black Women's History and Literature
- ENGL 331: Black Women Writers
- ENGL 224: Self Image in Women Writers
- FREN 400: French Women Writers
- HIST 223: Women's Lives in U.S. History
- IDS 413: Women/Body/Voice
- JPS 425: Family Violence
- REL 222: Feminist Theology
- SOAN 213: Class, Race, Gender
- SOAN 313: Sociology of Sex and Gender
- SOAN 413: Gender Violence
- SOAN 429: Gender in Organizations
- SPAN 400: Women Writers of Latin America or Women Writers of Spain
- SPST 250: Human Sexuality

*New courses added to list periodically.*

There are two optional one-credit courses that can be taken for this concentration:

- WMST 250: Women's Studies Issues—taught each fall as an introduction
- WMST 450: Women's Studies Senior Forum—taught each spring as a capstone that explores ways to use the concentration after graduation.

# Studies Abroad

Guilford has several semester abroad programs, each offering up to 18 credits. The fall programs are in Beijing, Guadalajara, London, Munich, Paris and Kyoto. The spring programs are in Brunnenburg (Italy) and Cape Coast (Ghana). There is a year-long program in Tokyo.

Some courses are offered through foreign universities; some courses are taught by faculty selected from the country of residence, and when a Guilford faculty leader accompanies a program, she or he also teaches a class. Each program seeks a balance between formal academic study and the opportunity for extensive contact with life in a different culture. The cost of these programs is only slightly higher than the cost for a full semester on the Guilford campus; financial aid is available. Information is available from the Office of Study Abroad.

## BEIJING, PEOPLE'S REPUBLIC OF CHINA

### 250 China Culture Course. 3.

**450 Intensive Chinese.10.** Fulfills language requirement.

**450 Special Topic (To be announced). 3.** Offered by faculty leader. May fulfill intercultural requirement.

## BRUNNENBURG, ITALY

A non-credit course of survival skills in German language will be offered in Brunnenburg; attendance at this course is required. Students will take the following courses for credit:

**250 Orientation. 1.** Preparation for the semester in Brunnenburg with introduction to the historical background of the area, the problems related to the German-Italian cultures in the South Tyrol and issues pertaining to Ezra Pound. Also focuses on observation skills, coping with culture shock and adapting to another culture. Required.

**250 Saints and Heroes of the Middle Ages. 4.** An examination of medieval culture through a study of the cult of the Saints, Christian iconography and epic poetry. This course will use the Brunnenburg Castle as well as surrounding churches, cathedrals, monasteries and other castles for the study. Required. Fulfills IDS 401 and may be used for elective history credit with approval of department.

**250 Ezra Pound's The Cantos. 4.** A study of the epic poem through an examination of *The Cantos*. This analysis also relates history to the various cantos. Attention is also given to questions arising from the reading of the cantos that relate

to the political and economic vision of Ezra Pound. Fulfills humanities requirement and may receive elective credit in English or major credit for English majors.

**250 Agro-Archeology. 4.** An introduction to the history and prehistory of agriculture, drawing from the resources of the Tyrolean Alps. Bi-weekly field trips. An examination of the impact of changes in agriculture on the social and religious realm as reflected in myth, legends, customs and beliefs. Required. May be used for elective sociology/anthropology credit or major credit for sociology/anthropology majors.

## CAPE COAST, GHANA

**250 Orientation. 1.** This course is designed to introduce students to the nation of Ghana with special reference to the culture, belief systems, geography and history. Once students are on site in Ghana, a considerable portion of this course will be devoted to the study of Fante, one of the Akan group of languages spoken by a large percentage of the Ghanaian population. The course will be aimed at enabling students to achieve a basic proficiency level with which they can successfully establish and maintain effective cross-cultural communication and relationships in southern Ghana. This orientation language component will be taught by Ghanaian language teachers.

**250 Beginning Fante. 3.** This course will be a regular university course on the school calendar year schedule, especially

designed for the Guilford students. Required. Elective language credit.

**250 African Studies Contemporary Culture. 3.** This course is aimed at informing students of the broad historical, cultural, political and economic trends in Africa with special reference to the West African region. The first phase will be devoted to an introductory series of lectures after which one theme will be addressed, for example, Contemporary Cultures, Political Economy of African Development, Science, Technology and Development in Africa, etc. Required. Fulfills intercultural requirement.

**250 Community Project. 3.** This course is designed to encourage students to become involved in a selected community. It will be structured to provide opportunities for internships that will enable students to become active participants and/or observers of a Ghanaian environment as manifested by a local community. The main objective is to provide experiential learning opportunities in settings such as a health post, nursery schools, local rural development project, etc. Students will keep a journal. A paper will be produced by the students under the guidance of a faculty supervisor. Required.

**Elective Courses (normally two for each student). 3.** Electives are to be chosen from a list of courses in major disciplines that will be made available to students. The courses will be selected from first-year to senior-level courses available during the second semester of the academic year in the various faculties of the University of Cape Coast. These will include courses in arts/humanities, the

social sciences/business studies, agriculture, sciences and education. Required.

**Independent Study (a possible choice to replace one elective). 3.**

Independent study and research for students in the fields of African culture, history, economics, geography, etc. under the direction of a faculty adviser. Students will be required to have a faculty liaison with regard to selected literature for review. A research paper at a level beyond the term paper is required. Special elective.

## GUADALAJARA, MEXICO

**250 Orientation. 1.** Preparation for Mexican culture with some introduction to historical background of the area and city and preparation in observation skills, coping with culture shock and adapting to another culture. Required. Pass/Fail grading.

**250 Mexican Economic Development. 4.** Fulfills intercultural and social science requirements.

**250 Mexican Culture. 4.** Fulfills intercultural requirement.

**250 Community Development. 4.** The theory and practice of community development. Included is a field component that introduces students to some of the special problems involved in developmental projects. Students work with and get to know a diversity of people. Fulfills intercultural or IDS 401 requirement. Required.

**250 Crisis in Central America. 4.** Analysis of contemporary Central America covering political strategy, historical background, religious development and recent economic events. Fulfills intercultural requirement.

**250 Contemporary Mexican Literature. 4.** Fulfills intercultural requirement.

**250 Intensive Spanish. 4.** Four hours per day.

**250 Semi-Intensive Spanish. 4.** Two hours per day.

**450 Mexican Art. 4.** Fulfills intercultural and arts requirements.

## LONDON, ENGLAND

**250 Orientation. 1.** Introduction to British culture and the historical background of London with preparation in observation skills, coping with culture shock and adapting to another culture. Required.

**250 British Art and Architecture. 4.** Covers Medieval Norman, Gothic, Classical Baroque and Revival architecture as well as painting from the 16<sup>th</sup> and 17<sup>th</sup> centuries. Classroom lectures and field trips to the great public galleries and to major architectural edifices. Fulfills arts requirement.

**250 British Theatre. 4.** A course designed to take advantage of the season's theatrical offerings. Classroom introduction to British drama from Shakespeare to the present day and weekly

attendance at performances. Fulfills humanities requirements and may receive elective credit in English or major credit for English majors.

### **250 Britain in the Twentieth**

**Century. 4.** This course will examine British history over the past 90 years. The focus will be changes that have occurred in the economy, the political and social structure, foreign relations and imperial responsibilities.

**290 Internship. 4.** To be determined by the student with the help of the resident director of internships in London.

## **MUNICH, GERMANY**

**250 Orientation. 1.** Preparation for German culture with some introduction to historical background of the area and city and preparation in observation skills, coping with culture shock and adapting to another culture. Required.

**101 Communicating in German. 4.** Introduction to understanding, speaking, reading and writing German. Fulfills foreign language requirement.

**201 Intermediate German I. 4.** Review of German grammar. Readings in modern German prose. Practice in writing short essays.

**312 German Composition. 4.** Discussion of and practice in German language composition with analysis of diverse related readings.

### **250 Politics and Culture of Bavaria.**

**4.** A study of the significant people and events of this century through a variety of political, literary, artistic and historical perspectives. Required. Fulfills social science requirement.

### **450 History of Modern Germany.**

**4.** Major developments in German history from the foundation of the German Empire through the First World War, the Weimar Republic and Nazi Germany.

**450 Art History. 4.** A survey of European painting and architecture from the Renaissance to the 20<sup>th</sup> century. Course includes visits to Munich's art galleries and to buildings of architectural interest (Medieval, Baroque and Rococo) throughout the city. Fulfills arts requirement.

## **PARIS, FRANCE**

### **250 French Orientation. 1.**

Introduction to France: its history and culture from the Middle Ages to the present; points of interest; daily life (transportation, publications, etc.). Required.

**250 French Art and Literature. 4.** A course designed to familiarize students with major writers, painters and artistic movements from the 1850s to the 1930s. The course involves readings, class discussions and field trips. Fulfills arts requirement.

**250 French Grammar. 8.** A course offered through the Sorbonne that consists of drilling of verbs, sentence structure, all grammatical areas, reading in original texts, use of the language lab. Placement (introductory, intermediate, advanced) based on proficiency examination. Required.

**250 Contemporary French Society. 4.** A political science course focusing on postwar France, covering material designed to provide background and perspectives important to interpreting contemporary France. Fulfills social science requirement.

## KYOTO, JAPAN

Kansai-Gaidai Semester offered either Fall or Spring semester.

**450 Japan.16.** Wide selection of courses taught in English. Japanese language instruction required on site.

## TOKYO, JAPAN

**The Year in Japan.** Students enroll at International Christian University, Mitaka, Tokyo, where they live and take meals and classes with Japanese students. Wide selection of courses taught in English at the university; participants are also expected to study Japanese. A year of language preparation is encouraged.

**450 Japan. 16.** Students take courses in intensive Japanese the first term and during the following two terms may continue Japanese and/or take courses available in English. Most disciplines have courses taught in English.



# Other Special Study Opportunities

Guilford offers numerous special study opportunities, including internships, independent study, senior thesis, special topic courses, the honors program, departmental honors work, off-campus seminars and course work and summer school.

**Internships.** Internships, designated by the course numbers 290 and 390 in the curriculum and carrying one to four credits, provide students with part-time involvement in public and private agencies while they are enrolled in regular on-campus classes. Summer internship credit is also available. The opportunity is open to sophomore, junior or senior students who have a cumulative grade-point average of at least 2.50. Guideline information is available through the office of career development, internships and service learning. Application for an internship must be processed and approved prior to the semester in which the internship is undertaken. A student may apply a maximum of 12 credits obtained through internships to her/his degree requirements.

**Independent Study.** Departments of the college offer independent study opportunities under the 260, 360 and 460 course numbers. The success of such independent work depends in large measure on the student's initiative in

shaping the terms of the investigation and her/his reliability in carrying out commitments. A descriptive proposal of the project must be approved by the supervising instructor and the chairperson of the relevant department. This proposal must set forth the subject, scope, method and materials to be used during the project. It also must indicate the evaluation procedures agreed upon by the student and the supervisor. When both the instructor and the chairperson have indicated their approval by signing the proposal, the student should take two copies of the proposal to the Office of the Registrar. The instructor agreeing to supervise an independent study is expected to be available for consultation while the project continues. No student may enroll for more than two independent studies or more than eight credits of such work in a single semester. Independent studies normally carry from one to four credits.

**Senior Thesis.** A written senior thesis (470 course number) may be undertaken as a separate project or as the culmination of a program of independent study. The major department determines the format of the paper. The thesis should represent both serious research and independent thought.

**Special Topics Courses.** Under the 250, 350 and 450 designations, most departments offer upper-level courses

exploring topics according to special interests and capabilities of groups of students and instructors. These courses may take an interdisciplinary approach and may be taught by faculty members from different departments working together as a team. Special topics courses are not scheduled on a regular basis, but as student interest warrants or as a department desires to make them available. Courses on the same topic normally are not offered more than twice.

**Departmental Honors Work.** For seniors with a 3.50 grade-point average in their major, some departments offer an honors option consisting of extensive reading, independent study and perhaps a research paper. The study is usually evaluated in an oral examination. Three members of the faculty and a visiting examiner conduct the examination and it is open to all interested persons. Students successfully completing this program are awarded departmental honors at graduation.

## HONORS PROGRAM

The Guilford Honors Program provides a sequence of classes and independent study options for students seeking intellectually invigorating challenges.

Students choose from co-disciplinary courses and departmental offerings and undertake a thesis or project in the senior year under the supervision of a faculty member. Most honors courses meet graduation requirements that would otherwise be met through regular classes.

Open to students majoring in all departments of the college, the program promotes intellectual depth through at

least five honors courses during a student's academic career. Honors courses are small and usually taught as discussion-style seminars, allowing intensive learning in a close and supportive relationship between instructor and student.

In addition to class work and independent study, students in the Honors Program frequently travel to professional meetings and conferences to present their research and creative work. The Honors Program provides information on the various undergraduate research conferences and financial assistance to those students selected to attend.

Guilford, a founding member of the North Carolina Honors Association, participates in the National Collegiate Honors Council and the Southern Regional Honors Council. Students, faculty and administrators from the college attend the conferences of all three organizations.

**Curriculum.** Honors students complete the program by taking 20 credits of honors work, including a co-disciplinary honors course and an honors thesis or project. In order to remain in the Honors Program, a student must maintain a cumulative grade-point average of 3.00 or higher.

In addition to taking honors course offerings, a student in the Honors Program who has completed at least 40 credits towards graduation may contract with a professor and the director of the program to receive honors credit for a regular course. The student must finish all specified, contracted extra work satisfactorily in order to receive honors credit for the course. Courses must be 200-level or above. This option is available only once to a student.

## **Admission and Honors**

**Scholarships.** Most students are admitted to the Honors Program as entering first-year students. Invitations are based on high school achievement, standardized test scores, written essays and recommendations. During the spring, on Honors Interview Day, prospective honors students are invited to learn about the program and interview with faculty and current students. Guilford has allocated substantial funds for honors scholarships, which are awarded without regard to financial need and currently are held by two-thirds of the students in the program. Students who earn a GPA of 3.5 or higher in their first two years at the college are invited to join the honors program. Limited scholarship opportunities are available to these students.

*Director of the Honors Program:  
Robert B. (Bob) Williams*

## **EARLY COLLEGE**

Early College is a collaborative program between Guilford and the Guilford County School System (GCS) for academically talented high school students (9<sup>th</sup> through 12<sup>th</sup> graders). It is situated on the Guilford campus.

The 9<sup>th</sup> and 10<sup>th</sup> graders take 4 honors or AP classes each semester on a block schedule. By the end of 10<sup>th</sup> grade, students complete all requirements for high school graduation, except 11<sup>th</sup>- and 12<sup>th</sup>- grade English. These students are taught by certified high school teachers and advised by a high school guidance counselor. Their classes are located in the Frank Family Science Center and in Bauman. They have access to the college's library, computer services and the cafeteria.

The 11<sup>th</sup> and 12<sup>th</sup> graders are dually enrolled in Guilford and GCS. These students take a full-time college load and graduate at the end of their senior year with a high school diploma and two years of college course credits from Guilford. The 11<sup>th</sup> and 12<sup>th</sup> grade students are dispersed in courses across the campus, enrolling in a pattern of classes similar to Guilford's first- and second-year students. These students are assigned to a Guilford faculty adviser and also work with a high school guidance counselor. The library, ITS services, computer labs, Academic Skills Center (ASC) and cafeteria are available for use by these students. Upon completion of the Early College program (finishing 12<sup>th</sup> grade), students may continue at Guilford for their final two years of college or apply to another college.

Students accepted in the program must have qualifications similar to those who are invited to participate in Guilford's Honors Program. All applicants are required to complete an application for GCS that includes a transcript and test information. Rising 11<sup>th</sup> and 12<sup>th</sup> graders also complete an application for Guilford. Representative from GCS and the Guilford admission office review the materials submitted. Both Guilford and GCS are committed to attracting a diverse pool of applicants and to making Early College available to all qualified students.

## **OFF-CAMPUS EDUCATION**

Besides the studies abroad programs described in Chapter 6, Guilford offers the following:

**Washington, D.C. Semester.** Any Guilford student with sophomore, junior or senior status and a cumulative grade-point average of at least 2.50 is eligible to spend a semester in Washington, D.C. Students may choose from two programs: The Washington Center or The Capitol Experience. An internship and a seminar provide 12 credits, and a student may earn four additional credits by registering for an independent study. Housing is provided. Information and application materials are available through the Office of Career Development, Internships and Community Learning.

**Off-Campus Seminars.** Fall, spring and summer break programs are regularly planned under faculty leadership. For example: in New York City, art, drama and urban problems may be studied; in Washington, DC, national government; on the coast and in the mountains of North Carolina, ecology and geology; and in the South, African American experience and culture. One credit is granted for each seminar. The college arranges for lodging, and a minimal charge to the student covers meals and travel.

Two off-campus geology seminars are offered. Natural Science Seminar travels to different locations, including Puerto Rico. Seminar West, a three-to-five-week field camp conducted jointly by the biology and geology departments, studies the geology and ecology of the Rocky Mountains, Colorado Plateau and the East African Rift. Both fulfill the natural science requirement.

### **Consortium Arrangements.**

Guilford students may supplement their course selections by cross-registering for courses at nearby colleges and universities under Greater Greensboro Consortium arrangements. Students enrolled at

Guilford may, with the registrar's approval, take fall and spring semester courses at seven other consortium institutions for credit and without additional registration.

There are no additional charges beyond the payment of Guilford tuition unless the courses carry special fees. Cross-registration privileges assume that courses are of a general nature acceptable to Guilford and are not offered at Guilford during the selected term. Students must secure permission from the registrar before registering at another institution for a term other than the fall and spring semesters.

Library resources are shared by consortia members, with many college libraries' holdings available on-line through Guilford's computers. As much as possible, consortium calendars are synchronized.

Besides Guilford, the Greater Greensboro Consortium includes Bennett College, Elon University, Greensboro College, Guilford Technical Community College, High Point University, North Carolina Agricultural and Technical State University and The University of North Carolina at Greensboro. All of the institutions participate in the cross-registration program.

**The Piedmont Independent College Association.** This association (PICA) includes Bennett College, Elon University, Greensboro College, Guilford College and Salem College. One of the significant cooperative efforts of the consortia is The PICA Automated Library System (PALS), an electronic catalog network that serves all member colleges.

## SUMMER SCHOOL

### **Summer School at Guilford.**

Guilford provides a summer program of two five-week day sessions and one 8-week evening session. Students may attend on either a full-time or part-time basis, and it is possible to earn a full semester of credit during the summer. Courses are open to all visiting students. Present Guilford students in good academic standing may take courses in the summer to accelerate completion of their degree program, to fulfill general college, major and concentration requirements or to explore new areas of interest. Summer school is considered to be a third term, and the same academic standards apply to summer school that exist during the regular academic year. Suspended and dismissed students are not permitted to register for summer classes.

**Study at Other Institutions.** Guilford students with a cumulative 2.00 grade-point average may request permission to take coursework as a visiting student at other accredited colleges and universities. Guilford encourages its students to study for the summer, a semester or a year at

other American or international universities when such programs are consistent with the student's educational goals and interests. Before attending other institutions, students should obtain a Request to Take Coursework at Another Institution form from the Office of the Registrar, have their courses approved in writing by their advisers and obtain a letter from the registrar certifying their good standing.

Only course credit, not grade points, can be transferred to Guilford from other institutions, and students must pass courses with grades of C or better if the courses are to apply to the Guilford degree. Students with a cumulative grade-point average lower than 2.00 should attend summer school at Guilford. Juniors and seniors must attend four-year institutions.



# *Center for Continuing Education (CCE)*

## **HISTORY AND PROGRAMS**

Guilford established the first undergraduate educational program for adult students in Greensboro in 1947. The present Center for Continuing Education (CCE) at Guilford offers students 23 years of age or older the opportunity to complete a quality undergraduate degree through day or evening study. Academic advisers assist adult students in the reentry process.

The adult degree program at Guilford is characterized by quality academic instruction, a liberal arts tradition, convenient day and evening classes, support services for working adults and an atmosphere of care and concern for each student. Guilford provides its CCE students with advising on admission and courses, special registration, an Adult Transitions course, assistance with study skills, career development services and an active adult student government association.

Additional special features of Guilford's adult services include an adult student lounge, canteen and mailboxes in Hendricks Hall, evening hours by appointment and convenient campus parking in an accessible and safe location. Senior citizen discounts are available for auditing courses.

The Center for Continuing Education office holds evening hours by appointment when classes are in session. When classes are not in session the office is staffed from 8:30 a.m. to 5 p.m. Monday through Friday.

CCE students experience Guilford's Quaker values and heritage in a student-centered learning environment with small classes, cordial and informal relationships with faculty and staff, flexibility of programs and services and an atmosphere of respect for all persons.

## **CRITERIA FOR CCE STATUS**

To qualify as a CCE student, an individual must meet one of the following criteria: 1) be 23 years old by the last day to add a class for the first term of enrollment at Guilford; or 2) hold a baccalaureate degree from an accredited institution. Under special circumstances, a waiver of the age requirement may be requested through the Center for Continuing Education.

## THE CCE STUDENT BODY

Adult students select Guilford for a variety of reasons as the best choice for undergraduate education or the fulfilling of personal academic goals. Most CCE students enroll because they wish to begin or complete an undergraduate degree in the liberal arts or selected applied professional areas to advance their careers, qualify for certain positions, prepare for examinations in particular fields or enrich personal knowledge and skills. Some CCE students already have an undergraduate degree and wish to increase their professional competence or to expand skills and knowledge in new directions by adding a second bachelor's degree.

While the majority of adult students transfer credits from two- and four-year institutions and plan to complete degrees at Guilford, some have not yet attended college and plan to work on a degree program, earn a certificate of study or take courses for personal enrichment. CCE students are enrolled in nearly every major offered at Guilford. Of the approximately 400 full- or part-time CCE students, more than half live in Greensboro while the rest commute from the surrounding area. Approximately 65 percent of students are female, and 35 percent are male. Most adult students maintain a full academic load (with three courses of four credits each) even though many have full-time jobs as well. Fifty-five percent of CCE students take evening classes only, 24 percent take day classes only and 21 percent take a combination of day and evening classes.

## PROGRAMS OF STUDY

**Degree Programs.** CCE students are fully integrated into the college program and are eligible to enroll in any of the college's 36 academic degree programs.

For students who can attend classes only at night, Guilford currently offers five evening majors: accounting, business management, criminal justice, justice and policy studies and psychology. The evening schedule provides a full range of courses to complete a degree in one of the evening majors.

**Certificate of Study Programs.** In addition to degree-granting programs, certificates of study are available. The certificate of study program consists of four to eight courses in a clearly defined sequence. It is designed for the person who seeks an organized and well-planned learning experience, but does not wish to embark upon a complete bachelor's degree program. It also appeals to the person who has completed undergraduate studies in one area and seeks to develop and document serious study in one or more strong additional areas of expertise without pursuing a graduate degree.

Certificates of study can be arranged on an individual basis in most departments and are formalized in the following areas:

- accounting
- interpersonal communication
- chemistry
- community studies
- forensic science
- management
- organizational communication
- psychology

**Non-credit Courses and Workshops.** CCE also sponsors a variety of workshops and seminars for the community that develop knowledge and skills without academic credit. Continuing education units (CEUs) are available for some programs. Topics might address cultural, educational, historical and political issues, workplace competencies, self-assessment and improvement and topics of interest to older adults. Programs are also offered for teacher recertification. There is a fee for most of the non-credit workshops. Specialized training programs are also provided by CCE on an individualized basis to local businesses, industry, schools and other organizations to develop human resources and manage businesses more effectively.

**Reentry Assistance: Adult Transitions Course.** As a support for adults returning to school, Guilford offers a distinctive four-credit course, Adult Transitions. The course focuses mainly on clear and effective writing. It also helps students improve study skills, better understand their learning styles and celebrate life-long learning.

## THE ACADEMIC SCHEDULE

Classes are offered during the day in several formats, ranging from an hour and a quarter to three hours in length. Evening classes are available four nights a week between 6 p.m. and 10:10 p.m. during the fall and spring semesters. Evening course formats include **fast track** courses that meet two nights a week for eight weeks, **intensive** courses that meet one night per week for 15 weeks and **regular**

**semester** courses that meet once or twice a week for 15 weeks. Many adults are able to schedule a full academic load (three courses, 12 credits) and attend classes only two nights per week, subject to course availability.

In the summer, Guilford offers two five-week day sessions plus an eight-week evening session. Adult students who carry a full course load fall and spring semesters and eight credits in the summer can complete a four-year degree in four years.

## ADMISSION

To be eligible as a CCE student, a person must be age 23 or older by the first class day of a given semester or must hold a baccalaureate degree from an accredited institution. Applicants are required to submit an application, personal statement (essay), official transcripts and a \$25 application fee. There are additional requirements for visiting/transient students, applicants requiring a student visa and applicants with a native language other than English.

**Degree Candidates.** Adult students who wish to be accepted to pursue a first or second baccalaureate degree program or a certificate of study must have official transcripts from all post-secondary institutions attended submitted directly to the CCE admission office at Guilford. Official high school transcripts are required if the student will be entering as a freshman or will be receiving veterans' benefits.

Students who are **college graduates** taking courses for personal or professional interest need only furnish an official transcript from the institution that awarded the baccalaureate degree.

For application materials, call 336-316-2179 or write to:

Guilford College  
Center for Continuing Education  
5800 West Friendly Avenue  
Greensboro, N.C. 27410

**Auditors.** Adults who wish to pursue college-level work without receiving grades or college credit may enroll as auditors. These students do not complete the application form and need furnish none of the credentials required of degree candidates. They may register on a space-available basis by obtaining written permission from the instructor on a registration form on the first day of the course.

## ACADEMIC ADVISING

Each enrolled student has an individual faculty adviser and is encouraged to consult with the adviser about personal and career goals, course selection and job opportunities in the major field. CCE advisers are available for a day or evening appointment with prospective students to determine which course of study will best suit their interests and abilities. Prospective transfer students may request a transcript evaluation to assess previously earned credits and determine how these credits may count toward a Guilford degree.

## COURSE REGISTRATION

All enrolled CCE students pre-register for courses with their faculty adviser for the coming semester during the designated period. New students complete their initial registration with a CCE adviser. All

students are expected to claim their printout of classes during CCE check-in/registration at the beginning of each semester to confirm enrollment and receive notification of any room changes or other adjustments. Students may pre-register for fall and summer school in April and through the start of classes. Spring pre-registration begins in November and continues through the start of classes.

The Greater Greensboro Consortium of colleges and universities allows CCE students to register and take liberal arts courses at participating institutions during fall and spring semesters. Member institutions are Bennett College, Elon University, Greensboro College, Guilford Technical Community College, High Point University, North Carolina Agricultural and Technical State University and The University of North Carolina at Greensboro. Cross-registration is possible if the selected courses are not offered at Guilford and enrollment is not filled by the host institution's own students. Credit will be granted and grades and quality points are transferable. Students must consult with their faculty advisers before registering.

Once registered, students are responsible for all listed courses and may change registration only by seeing a faculty or CCE adviser. Students may add and drop courses within the stated deadlines for a semester. After that date, the student will receive the earned grade to date unless the associate academic dean authorizes an administrative withdrawal. Grades of WP (withdrawal with a passing grade) or WF (withdrawal with a failing grade) will be used only in cases in which a student withdraws completely from the college.

# STUDENT SERVICES

**Career Development Center.** CCE students are eligible to use any or all of the services of the Career Development Center including consultation with career specialists, use of the career information library, development and electronic distribution of resumé's, participation in job fairs and interviews with prospective employers.

**Counseling for Veterans.** A staff member in the Office of Registrar is available to advise adults regarding veterans' benefits.

**International Student Adviser.** CCE international students who hold student visas are required to maintain regular contact with the international student adviser to ensure that they remain in compliance with visa conditions and with the college. There is a supplemental advising fee each semester for these international students for advising, counseling, record maintenance and participation in organized activities.

All visa-holding international students in the CCE program must present evidence to the business office that they are currently covered by valid U.S.-based health insurance. This proof of coverage should be presented at the beginning of each fall semester or at the time of entry into the program.

**Academic Skills Center.** The Academic Skills Center (ASC) helps students manage the transition back into the classroom. Through the ASC, students may receive tutoring in specific courses without charge through the center. They may also receive help in writing, reading, quantitative skills, study skills, time

management and test-taking. Call 316-2253 for an appointment or information.

**Adult Student Government.** The CCE Student Government Association (SGA) is composed of all students registered for college-credit work through CCE. The association exists to serve the welfare and interests of its members and works toward the establishment of a community supportive of the continuing education of adults. Among other activities the association sponsors social and cultural events.

The Student Government Association operates under the direction of an 11-member Executive Board. The Executive Board derives its authority from the president of the college and is responsible for the allocation of CCE student activity fees.

**General Campus Services.** CCE students have full access to all academic facilities including Hege Library and computer labs and may participate in off-campus study programs for full tuition.

A CCE specialist is available who works exclusively with adult students to coordinate financial aid counseling and payment planning. CCE students are eligible for all applicable state and federal grants and loans as well as campus-wide academic scholarships and a special scholarship for adult students. CCE students who qualify on the basis of financial need also may be considered for on-campus employment opportunities.

**Housing.** Full-time CCE students who wish to live in campus housing may be accommodated in residence halls on a space-available basis. Students should apply through the Office of Campus Life as early as possible.

Residence halls are open from mid-August until graduation in May and for ten weeks of summer school. CCE students will be expected to participate in the college meal plan unless assigned to student apartments. Exemptions from the meal plan are granted for medical reasons only and must be approved by residential life. CCE residents may participate in activities sponsored by their residence hall. Other campus life services including health services, counseling, varsity sports and other student activities are open only to main campus students paying the comprehensive main campus tuition fee. CCE resident students will be expected to comply with all residence hall policies and procedures.

**Adult Student Lounge.** A study and activities lounge is provided for CCE students in Hendricks Hall. There is a telephone for local calls. Building hours are 7:30 a.m. to 10:30 p.m. when classes are in session. The building is not available on weekends unless special permission is obtained in advance.

**Campus Identification Card.** All registered adult students must possess a valid Guilford identification card each semester to verify registration and access to campus facilities and services. The photo identification will be issued to new students during the registration process. The ID card can also be used to access certain campus buildings.

**Food Service.** Food service is available to all members of the campus community during specified hours in the cafeteria, located on the main floor of Founders Hall, or in the Underground grill, located in the basement of Founders Hall. A

schedule of fees may be obtained from the food service manager. Food vending machines are also available in various campus buildings.

## EXTRACURRICULAR ACTIVITIES

CCE students may participate free of charge in academic departmental clubs and activities, intramural sports, the campus fine arts series and all events sponsored by their student government association.

CCE students are also eligible to participate in the following activities and organizations in accordance with the stipulated guidelines:

**Community Senate.** (student government for traditional-age students) CCE students may participate in the Community Senate only as designated representatives of the CCE Student Government Association and by invitation of the Senate.

**Student Union.** CCE students may belong to the Student Union, but may not serve as officers. As Union-sponsored activities are funded from the activity fee charged to main campus students, CCE students are not normally eligible to participate in these activities.

**Publications.** CCE students are welcome to participate in the activities of “The Guilfordian” (weekly student newspaper), “The Quaker” (yearbook) and “The Piper” (literary magazine), but they may not serve as editor of any of these publications.

**WQFS FM (90.9).** CCE students are welcome to participate in the campus radio activities, but are not eligible for leadership positions.

**Other campus activities** available to CCE students on a “fee for use” basis include sporting events, yearbook photos, purchase of the yearbook and participation in the college choir when not taken for academic credit.

**Athletic Facilities.** CCE students carrying 12 or more credits each semester and their families may also use the Physical Education Center for a reduced fee. Part-time students enrolled for five or more credit hours may obtain personal access to these facilities for a slightly higher fee. A schedule of fees may be obtained from the front desk of the Physical Education Center.

**Restrictions on Participation in Student Activities.** CCE students are not eligible to play intercollegiate athletics or to be elected as officers in student clubs and activities designed for traditional-age students. A CCE student who wishes to participate in intercollegiate athletics has one opportunity to transfer to main campus status and may not then transfer back to CCE status.

## DROP/ADD COURSE ADJUSTMENTS

Financial aid awards that require half-time or full-time enrollment for the term will be canceled in accordance with state and/or federal requirements.

## CCE TUITION AND FEES: 2002-03

Fee Per Credit	\$209
Application Fee	\$ 25
Registration Fee	\$ 15
Activity Fee	\$ 20
Technology Fee	\$ 25
Audit Fee (per credit)	\$ 40
Senior Citizens Audit Fee (per course) +	\$ 40
Duplicate Diploma Fee	\$ 25
Motor Vehicle Registration (Annual) Commuting Student	
First sticker	\$ 40
Each additional sticker	\$ 15
Transcript Fee (per copy)	\$ 5
Faxed Transcript (per copy)	\$ 10
On Demand Transcript	\$ 10
Duplicate ID Charge	\$ 15
Return Check Charge	\$ 25

*+Ages 60 and above.*

*All fees are subject to adjustment.*

### Regular and Intensive Enrollees.

During the first 21 calendar days of the session, CCE students who remain enrolled at Guilford for at least four credit hours may obtain a full refund for courses dropped. No adjustments or refunds are made after the 21st day.

### Fast-Track Enrollees.

During the first 10 calendar days of the session, CCE students who remain enrolled at Guilford for at least four credit hours may obtain a full refund for courses dropped. No adjustment or refunds are made after the 10th day.

## WITHDRAWAL FROM THE COLLEGE

Withdrawal from Guilford is official only after a Withdrawal Petition is completed by the associate director for the Center for Continuing Education and processed by the registrar. A request to the registrar for an academic transcript shall not be considered a notice of withdrawal from the college.

If withdrawal occurs prior to the first day of classes, 100 percent of all tuition and fees is refunded. After the first day of classes, there are two refund schedules based on U.S. Department of Education requirements. A detailed refund schedule can be obtained from the Business Office.

## PAYMENT OF ACCOUNTS

Registration is not complete until all financial accounts are settled. Payment in full must be received by August 1 for the fall semester and by December 15 for the spring semester. Any student with an unpaid account 10 days after registration is subject to expulsion from the college. The college will accept payment in full, subject to confirmation, by VISA or MasterCard.

**Academic Management Services (AMS)—Monthly Payment Plan.** It may be convenient to pay education cost on a monthly basis. Guilford has partnered with AMS to provide an expanded payment plan program that offers such services as:

- A flexible ten-month installment, interest-free monthly payment beginning June 5, 2002, for the August 2002-May 2003 academic year.
- A monthly payment plan with a \$75 annual enrollment fee includes tuition protection coverage (TPC). Extended customer service hours, Internet access to your account, monthly statements mailed each month and Western Union phone pay option.

If you want to use the AMS program, you may contact them at 800-635-0120 or visit the AMS website at [www.amsweb.com](http://www.amsweb.com) to learn more about the AMS plan.

# Learning Resources

Many facilities and programs support Guilford's academic curriculum. Descriptions follow of the library, computing and information technology, Academic Skills Center, First Year Program, science and language laboratories, classroom buildings, physical education building, performing arts spaces and Guilford's art studios and galleries.

## HEGE LIBRARY

Hege Library is a complex of facilities that comprises 53,000 square feet of space in a modern addition and 27,000 square feet of renovated area. Constructed in four phases beginning with a matching grant of \$9,000 in 1908 from Andrew Carnegie of New York, the library has grown through time to offer numerous study spaces, to house the Guilford College art collection, and to provide print, audio-visual and electronic resources. The latest addition, completed in 1989, prepares the library for continued growth.

The library collection includes 240,000 books, periodicals and non-print media, and the library provides study space for 400 users. The Hege Library includes a complete array of library services, the Friends Historical Collection, the Friends Center at Guilford, an Academic Skills Center, the Betty Place Digital Classroom and the nine-room Guilford College Art Gallery. Library functions are automated with the catalog holdings of Guilford and

many other area colleges available via computers at many campus locations. In addition to standard desktop computers located in the information/reference department, laptop computers may be borrowed for use in any public area of the library via wireless network. Community members have Internet access to all the library's digital resources from any computer linked to the campus network.

Several special endowed collections give the library a distinctive strength. Of special note are collections supported by Friends of the Library focused on science fiction, poetry and simple living. Endowed collections also exist in the areas of science, history, fine arts, religion, English, women's studies, foreign languages and international Quaker studies.

**Friends Historical Collection.** The Friends Historical Collection, located in Hege Library, is a comprehensive research collection of materials pertaining to the Religious Society of Friends (Quakers) worldwide. The collection is open to Guilford students and faculty, Friends, visiting scholars and genealogical researchers. At its core are more than 600 manuscript books of Carolina Quaker records dating from 1680. The collection also includes rare books and periodicals, manuscript collections of personal papers and correspondence, files, Quaker costumes and artifacts, student theses, the college archives and genealogical resources. The Friends Center office is adjacent to the collection.

# COMPUTING AND INFORMATION TECHNOLOGY

**Computing Resources.** Guilford features a fully networked campus with connectivity to academic and administrative buildings and residence halls. The campus is transitioning from the buildings being connected by fiber optic with an ATM backbone to fiber optic with a Gigabit Ethernet backbone. Additionally, all connections are transitioning from a 10 Mb/s network to a 100 Mb/s connection. Each residence hall and most of the student houses have a data connection per resident, phone and voice mail per resident and cable TV connection per room. The campus is served by T1s with dial in remote access available from off campus.

Computer labs are available to Guilford students and community in the Bauman Telecommunications Center, Hege Library, Frank Family Science Center and other campus buildings. There are two public labs and two computer classrooms located in Bauman. These labs are equipped with 50 Windows and Macintosh systems that are installed with the college set of standard software, including Microsoft Office and Web browsers. Another computer lab in Bauman, equipped with 15 Windows and Macintosh computers, is available for group projects and work with advanced computer applications. Students have access to high-speed networked printer-copiers and scanners in these labs. The Guilford Web site provides up-to-date information on the computer labs and the college standard hardware and software.

Other campus technologies include the Hege Library Infovillage with Windows systems for electronic and Internet research,

the Hege Library classroom and 20 wireless laptops and the Price Language Laboratory and AT&T Multimedia Learning Center in Duke Memorial Hall with 20 systems emphasizing foreign language learning.

The academic skills center resource room in Hege Library contains both Windows and Macintosh systems with the college standard software for general student use.

The chemistry, geology and physics departments host the Guilford Scientific Computation and Visualization Facility, which is equipped with a Silicon Graphics server and more than 20 Sun and Silicon Graphics workstations, running Unix. Students, ranging from first-year students to seniors, use these computers for class work, independent projects and senior theses. Specific uses include molecular modeling, geographical information system work, numerical modeling, development of computer graphics and computationally intensive calculations. Computer labs are also present in the biology department and the art department and focus on applications in those fields, and a number of laboratories in the new Frank Family Science Center are equipped with Windows and/or Macintosh computers.

Guilford maintains computer classrooms and computer training rooms in Bauman and multimedia classrooms in Bauman, King Hall, Dana Auditorium, Frank Family Science Center and Duke Hall.

All computers on the college network have access to network servers managed by the department of information technology and services. Every student, staff and faculty member has an account on the network servers with private disk space that is accessible from all networked computers.

Guilford uses Lotus Notes as its primary means of electronic communication. E-mail, personal and group calendars and online conferencing are some of the features that this integrated package provides. Faculty use the online conference capability in many of their classes. All students, staff and faculty receive their Lotus Notes and network accounts when they arrive on campus.

### **Information Technology and**

**Services.** This department is located in the Bauman Telecommunications Center, which houses the campus network and Web servers, the telephone and voice mail systems, the information technology and services support center, three computer labs, one multimedia classroom, two computer training rooms and two computer classrooms. IT&S provides support for academic computing, all college standard software and hardware, the Guilford network and the college's connection to the Internet. The Support Center is located in Bauman 101 and is the home of the IT&S Help Desk. The Help Desk provides technical support for campus computer hardware and software issues. Requests for assistance can be made by phone, e-mail, voicemail or just walking in. Both professional staff and student workers staff the Help Desk. Students also work for IT&S as lab workers, providing support in the computer labs, and Resnet workers, providing assistance to students in the residence halls. IT&S provides training in the use of the college standard software and hardware through scheduled workshops and classes. Faculty may work with IT&S to provide training in specific information technology areas for their classes.

**Multimedia Equipment.** Information technology and services also provides the campus with multimedia resources. These consist of digital and analog video and still cameras, data projectors, laptops, for classroom presentations and video editing and duplication. These services are provided by contacting the Help Desk and either reserving the equipment for pickup or for classroom setup.

## **ACADEMIC SKILLS CENTER**

The Academic Skills Center, located on the second floor of Hege Library, serves the learning needs of Guilford's diverse student population. The center fosters campus-wide dialogue and understanding of the teaching/learning process. Professional tutors work with individual students to improve reading, writing, studying and quantitative skills, as well as time management. Faculty in the center also facilitate sessions in classrooms across the curriculum, offer campus-wide workshops and meet students where they live (for example, in the first-year dorm) with programming and tutoring options.

The ASC sponsors other valuable services including:

- **Student Tutoring Service:** peer tutoring in specific courses across the curriculum
- **Community of Writers (COW):** top student writers trained to respond to student texts and writing problems; tutoring on site in ASC as well as in Binford dorm
- **Chem 911:** focused tutoring for introductory chemistry courses
- **DeBug:** tutoring for computer programming and CMIT courses

- **Learning Disabilities Association:** peer support and programs for our large population of learning-disabled students and anyone interested in alternative ways to learn

Part of ASC's guiding mission is to "teach learners how to learn." The ASC is not a remedial center; rather, it provides invaluable support for a broad range of students—first-year through senior—including honors students, under-prepared students, individuals with special needs, students on academic probation and those doing advanced course work or writing senior theses.

## FIRST YEAR PROGRAM

The First Year Program assists entering students from the point of admission to the college through the declaration of the major. Components include:

**Summer Contact.** After a student is admitted to the college, the First Year Program provides information and serves as a resource to answer questions. During the summer, students will receive course registration materials, AVANTI registration information, arrival procedures and other mailings designed to make their entrance to Guilford as smooth as possible. Any questions from new or transfer students can be directed to the First Year Center, 336-316-2425.

**AVANTI.** Offers optional pre-orientation programs designed to provide entering students with an opportunity for experiential learning and community-

building with current Guilford students and faculty. Programs are 3-4 days in August and include rafting, rock-climbing, mountain biking, service projects and writing.

### **CHAOS (New Student Orientation).**

Designed to assist students with the logistical and social transition to Guilford, the four-day CHAOS program (community, health, advisement, orientation and services) takes place directly following the AVANTI program and prior to the opening of school. During CHAOS, students participate in several group activities with peer leaders, meet with their academic adviser, are checked into the college (includes all business and financial aid procedures), receive college ID's and participate in fun activities with other new students and peer leaders such as Playfair.

**First Year Center.** Located on the second floor of Founders Hall, the First Year Center (FYC) houses the office of the director of the First Year Program. The center is staffed by student workers and provides a resource for new and transfer students to get questions answered or just come to hang out. The FYC is also the home of the First-year Advisory Board, usually comprised of one representative from each First-year Experience course. The center is open 9 a.m. to 5 p.m., Monday through Thursday, and 9 a.m. to 3 p.m. on Friday. Telephone: 336-316-2425.

**New Student Mentoring.** In order to better assist students with the academic and social transition to college, the First Year Program provides a mentoring program for all entering students. New students are placed in groups of 4-6 with a mentor and meet weekly to discuss their transition, time management, study skills

and campus resources as well as to get acquainted with the complexity of college life. New students receive one credit for participation in the course.

## SCIENCE CENTER

The laboratory wing of the Frank Family Science Center houses the four science departments at Guilford. In addition to providing modern laboratory facilities, the new science center serves as a popular teaching facility for the entire academic community. It provides computerized multimedia classrooms, a computer visualization facility, a multi-function auditorium, an observatory and formal and informal meeting facilities. The new science building was named The Frank Family Science Center to honor Stanley Frank—a local community leader and a trustee of the college since 1969—and his family.

The 54,000-square-foot facility was planned “from the inside out” to support Guilford’s unique vision of science education. Laboratory design consultants worked with each member of the science faculty to design laboratories which would enable hands-on learning with intense student-teacher interaction. These facilities were then combined with student work spaces, classrooms and easily accessible faculty offices to design learning communities for each discipline—biology and life sciences, chemistry, geology and earth sciences and physics and astronomy. The result is a building that facilitates interactions among the disciplines and so encourages the growth of interdisciplinary programs such as environmental science and health professions.

## Scientific Computation and Visualization Facility.

The Departments of Chemistry, Geology and Physics host the Guilford Scientific Computation and Visualization Facility, which is equipped with a Silicon Graphics server and more than 20 Sun and Silicon Graphics workstations, running Unix. Students, ranging from first-year students to seniors, use these computers for class work, independent projects and senior theses. Specific uses include molecular modeling, geographical information system work, numerical modeling, development of computer graphics and computationally intensive calculations.

**Biology.** The Department of Biology has five large, well-equipped laboratories on the first floor of the new Frank Family Science Center, a greenhouse, several instrument/prep rooms and faculty research space. A sixth laboratory in the Frank Center is designed specifically for biology majors who are conducting individual research projects. Four of the five teaching laboratories in the Frank Center are equipped with computer projection facilities, and labs contain multiple computer terminals for student use. The cell biology laboratory is furnished with modern microbiological equipment. The physiology laboratory provides equipment and new computer hardware and software for studies of animal and human functions. The Bailes Greenhouse provides opportunities for student and faculty research and also serves as a depository of typical vascular plants for observation and study. An herbarium is also available for botanical reference. An ornithological collection housed in the field biology laboratory dates back over a century to the work of Guilford alumnus T. Gilbert Pearson, one of the first presidents of the

National Audubon Society. The department maintains a collection of specimens of vertebrates from North Carolina. The college woods and lake serve as a "living laboratory" with over 240 acres for research and study in forest ecology, ornithology, herpetology and limnology.

**Chemistry.** The Department of Chemistry has recently occupied the new Frank Family Science Center. The laboratories and other department facilities were designed by the faculty to allow students in all chemistry courses, including the introductory courses, access to state of the art instructional and research facilities. The general chemistry lab is equipped with downdraft hoods for each student, as well as data ports at each station. The organic chemistry lab provides individual access to research-grade fume hoods that allow modern experiments to be performed safely. Both labs are equipped with computer projection systems to facilitate demonstration of laboratory techniques and concepts. The advanced chemistry lab is a flexible space that can be used by junior and senior chemistry students to perform more advanced procedures in physical, analytical and inorganic and materials chemistry. A research lab permits students to pursue thesis research under the direction of a faculty member.

Instrumentation available to students in these laboratories includes double beam UV-visible spectrophotometers, an FT-IR spectrophotometer, high-performance liquid chromatographs, calorimeters for solutions and polymer analysis, a potentiostat-galvanostat and an ion chromatograph. Most instruments are interfaced with computers to facilitate collection and processing of data. Student offices give chemistry students spaces within the department to study, read

journals or analyze data in a comfortable setting, with easy access to faculty.

**Geology.** Geology laboratories provide space for a complete geology program, both field and laboratory. The facilities complement Guilford's student research program in geology. The opening of the Frank Family Science Center in summer 2000 has provided the department with eight state-of-the-art classrooms and laboratories, including ample student research space.

The department is equipped with rock saws and lapidary wheels for the preparation of specimens, basic sedimentation equipment, polarizing binocular microscopes, dissecting microscopes, photomicrographic facilities, portable magnetometer; gravimeter; and a 12-channel, recording, portable seismograph. Hydrologic and environmental studies are enhanced in the field by six monitoring wells drilled to bedrock, a recording weather station, a weir installed on the college creek for surface water studies, a small down-hole pump, a water-level logger and measuring tape, Geographic Positioning System hardware and software, and excellent computer facilities (UNIX and PC). These are complemented by a digital camera for use in field and lab, image processing capabilities (computer, software and images) provided through research grants from NASA, NSF and the U.S. Geological Survey and computer graphics and mapping capabilities, which include a large digitizing pad and access to color plotter 36" wide. Funding has been obtained through joint grants and programs with the other science departments to support student and faculty research, thus enhancing Guilford's emphasis on interdisciplinary work.

The college owns an extensive map, rock, mineral and fossil collection to which additions are made through purchase and field trips. The Frank L. and Ethel Watkins Crutchfield collection is notable for its focus on fluorescent minerals, especially from the zinc mines in Franklin, N.J.

A greater range of equipment, facilities and library collections is available through cooperative programs with the University of North Carolina at Chapel Hill and local libraries at The University of North Carolina at Greensboro.

**Physics.** A significant part of the learning experience in the physics program takes place in the laboratory. The introductory laboratories use a microcomputer-based data gathering and analysis system connected to the campus network. The Frank Family Science Center includes over 2000 square feet of laboratory space dedicated to undergraduate research in physics. These advanced laboratories are organized around centers emphasizing experimental modern physics. These centers, which include cryogenics, optics, atomic and nuclear physics and electronics, were made possible by National Science Foundation support for implementing Guilford's innovative physics curriculum.

## OBSERVATORY

The Frank Family Science Center houses the J. Donald Cline Observatory, as well as an astronomy lab, a photographic darkroom and an observatory support room. The principal instruments are a 16-inch Ritchey-Chretien optical telescope on a robotic mount and a seven-foot diameter radio telescope on a fully motorized altazimuth mount. Instrumentation for the optical telescope includes CCD cameras,

photometers and a spectrometer. This facility is used in the introductory astronomy and physics classes, for public viewing and for undergraduate student research. The college also shares a research-grade 32-inch telescope at the Three-College Observatory that is located about 60 miles from campus.

## LANGUAGE LABORATORY

Through an important gift from the Price Family of Greensboro, Guilford established the Price Language Laboratory in 1965. In 1995, AT&T generously contributed the Computer Laboratory Classroom through its University Equipment Donation Program. The lab space, on the third floor of Duke Memorial Hall, allows individual and group work with multimedia CD-ROMs, Internet access and large-screen projection capabilities for both computer and video programs.

## CLASSROOM BUILDINGS

The three main classroom buildings are Duke Memorial Hall, King Hall and the Frank Family Science Center. In addition to classrooms and offices, Duke Hall also houses the foreign languages laboratory. Film viewing and demonstration lectures for groups up to 75 can be accommodated in Duke Hall's C. Elmer Leak Audiovisual Center, with equipment for video projection of both computer graphics and videotape on a large screen.

King Hall is the location for science laboratories as well as general classroom and office space.

Classes are also held in Bauman Telecommunications Center, Dana Auditorium, Founders Hall, Hege-Cox Hall and the physical education center.

The Frank Family Science Center houses a 135-seat domed auditorium that is a video, audio and computer multimedia facility used for lectures, films, concerts and student theater productions.

## PHYSICAL EDUCATION CENTER

All students are encouraged to participate in intercollegiate and intramural sports.

Guilford's Physical Education Center, dedicated in 1980, affords students the opportunity for physical development, recreation and athletic competition. The center consists of the Ragan-Brown Field House and the renovated Alumni Gymnasium. The field house has three basketball courts, a swimming pool and separate diving tank, convertible courts for tennis and volleyball, meeting rooms and offices and seating for up to 2,500 spectators. Alumni Gymnasium, built in 1940, contains physical education classrooms and offices for coaches and some faculty members. Near the Physical Education Center are eight tennis courts as well as fields for baseball and softball, football, lacrosse and soccer.

In a cooperative venture, the Guilford College Physical Education Center is a facility shared by the college and the Guilford College Community YMCA. Many YMCA programs are open to Guilford students.

## PRACTICING, PERFORMING AND MEETING SPACE

### **Charles A. Dana Auditorium.**

Completed in 1961, Dana Auditorium is a proscenium theatre that seats 1,100 and is used for major musical events, fine arts series, lectures and conferences. The south wing houses teaching classrooms, music practice rooms and a large choir room for rehearsals and small informal concerts. The Mary Pemberton Moon Room is suitable in size and arrangement for worship, informal lectures and monthly faculty meetings. Dana Auditorium hosts classes from a variety of disciplines and houses offices for the music and religious studies departments. In the summer, Dana is home to the Eastern Music Festival and the Eastern Philharmonic Orchestra.

**Sternberger Auditorium**, adjacent to Founders Hall, is a flexible performance space that seats up to 250 and is equipped for stage productions, concerts, lectures and dances.

## STUDIOS AND GALLERIES

**Hege-Cox Hall.** Hege-Cox Hall contains the art department offices, an outdoor kiln for firing ceramics, darkroom and studios for wood sculpture, ceramics, printmaking, painting and drawing. There is a hallway gallery for the exhibition of student work. Gallery spaces in Founders Hall also exhibit work by students. In the Hege Library, the Guilford College Art Gallery houses a permanent teaching art

collection and features exhibitions by art faculty and visiting artists.

### **The Guilford College Art Gallery.**

Housed in Hege Library, the Guilford College Art Gallery opened in 1990 with more than 3,500 square feet devoted to exhibiting the college's permanent art collection and occasional temporary exhibitions. In addition to an enclosed main gallery, there are eight atrium galleries, vitrines and an art storage area utilized by the college's art curator.

As the "scholarly crossroads" of the Guilford campus, Hege Library offers an ideal location for the gallery. The addition of visual arts to the library enriches the environment for students who may view fine works of art while pursuing their studies. The original works of art on display function as a primary source of knowledge for faculty, students and the community at large. Students analyze and study these objects in a variety of contexts; creative artists draw inspiration from them; and faculty use them to reinforce their interdisciplinary approach to teaching. The gallery's exhibitions emphasize modern and contemporary art reflecting social and cultural issues congruent with the college's Quaker tradition.

The college seeks to collect works of art representing a broad range of periods, styles and cultures. Formed in 1973, the permanent collection was significantly expanded in 1986 with generous contributions by Rachel and Allen Weller and by Ruth and Ira Julian, dedicated art collectors. The collection was recently enhanced with a gift of important 19<sup>th</sup> and 20<sup>th</sup> century traditional African sculptures from Dr. A. Kelly Maness, Jr.

Spanning more than forty centuries and four continents, the collection now includes more than 1100 objects by more than 450 artists, with an emphasis on 19<sup>th</sup> and 20<sup>th</sup> century American and European paintings, prints and drawings. The collection includes original works by Rembrandt, Picasso and Dali as well as an impressive selection of 20<sup>th</sup>-century American artists, featuring works by Grant Wood, Leon Golub, Sue Coe, Miriam Schapiro, Robert Bechtle, Josef Albers, Roger Brown, Joseph Stella and Abraham Rattner.



# Admission and Fees

Guilford looks for applicants whose qualities of intellectual capability, personality and social awareness will enable them to benefit from both the academic program and campus life. Further, the college seeks students whose backgrounds and talents will enrich the experience of the college community and whose concerns promise constructive leadership and service in the society in which they live.

We actively seek to build a community of individuals whose diverse geographic and ethnic origins and varying races, religions, ideologies, sexual orientations and socioeconomic backgrounds will enrich and enhance the educational experience at Guilford.

## ADMISSION PROCEDURES

**Criteria for Selection.** The Admission Committee reviews each application individually, with consideration given to all aspects of an applicant's record, keeping in mind the admission objectives set out above.

**Academic Record.** The Admission Committee examines an applicant's past scholastic achievement, as demonstrated by grades and class rank in high school.

There is no specific number or pattern of units required for entrance to Guilford. The college is primarily interested in the

quality of a student's overall academic performance. However, to be better prepared for academic success in Guilford's liberal arts curriculum, a student should include among the 16 high school units at least 12 academic units (four units in English, three in mathematics, three or four in natural sciences and two to six in a foreign language).

In addition to their course work in high school, prospective students are urged to read widely outside of class to broaden their general background and acquaintance with contemporary issues. Students also are encouraged to increase their competence in writing and to develop the ability to express ideas accurately.

**Entrance Tests.** To assist the Admission Committee in evaluating a prospective student's academic potential, each applicant is expected to take the Scholastic Aptitude Test (SAT I) administered by the College Entrance Examination Board or the test of the American College Testing Program (ACT) and have scores sent directly to the college.

**Portfolio.** An applicant may choose to submit a portfolio in lieu of standardized test scores. A portfolio should reflect the student's academic, creative and personal interests and accomplishments. It may include art, expository or creative writing, scrapbooks, videos, cassette recordings or even a personal performance to members of the Admission Committee (with at least two weeks' advance notice). The

content of a portfolio is limited only by the applicant's imagination; it must be sufficient, however, to provide evaluative information to substitute for standardized test scores. In this case, choosing to withhold SAT I or ACT scores will not prejudice the student's chances of admission.

**Personal Characteristics.** Personal characteristics are evaluated through recommendation forms and an interview, preferably on campus. Guilford encourages students to visit, have an interview with an admission officer, talk with different members of the college community and become familiar with the campus. Personal contact also lets the admission staff become better acquainted with an applicant. Arrangements for a personal interview and a campus visit may be made by writing or calling the admission office. Call 336-316-2100 or 800-992-7759 to arrange a campus visit.

**Other Materials.** All applicants are encouraged to submit for the committee's review a copy of a challenging expository writing assignment from any junior or senior level academic class that has been graded by a teacher, with an explanation of the context of the particular assignment. Additionally, applicants should submit information concerning unusual circumstances, achievements or abilities which would be relevant to the process.

### **International Student**

**Applications.** To be considered for admission, an international student must comply with certain special procedures. An applicant should complete the application form and return it with the following:

- a bank draft in payment of the application fee of \$25 (U.S. dollars).

- one copy of an official transcript from each high school or college attended.
- one copy of an official TOEFL (Test of English as a Foreign Language) score (to be considered, a student must score 550 or above).
- a completed financial statement indicating adequate financial support to meet the expenses of the entire academic program at the college. Applications will not be processed unless such declaration can be made.

A provisional admission can be granted to a prospective international student who meets the following conditions:

- ranks in the upper 40 percent of his or her graduating class.
- has maintained a grade average equivalent of C or better.
- agrees to continue studying in an intensive English language program until s/he scores 550 or above on the TOEFL examination. Upon achieving a minimum TOEFL score of 550, the applicant is required to complete a statement demonstrating proficiency in written English.

**Transfer Applications.** Qualified students from other accredited and approved colleges and universities are welcome to apply to Guilford. In order to be considered for admission to Guilford, a prospective transfer student needs at least a C average in all academic work taken at the college level. Consideration is given to the academic reputation of the college from which the student wishes to transfer and the type of courses taken at that institution. Transfer applications are evaluated according to the same criteria used for first-year applications.

The materials necessary to complete an application for transfer are:

- the transfer application for admission and the \$25 application fee.
- a transcript from every high school and college attended.
- results of one of the college entrance examinations (SAT or ACT scores earned while in high school are acceptable).
- a recommendation from the dean of students of each college the student has attended (this form is separate from the application for admission).

### **English and Foreign Language**

**Evaluation.** All first-year students are evaluated for proficiency in English and in the foreign language they wish to continue studying. On the basis of these evaluations, students are placed in the most advanced courses for which they are qualified. Students also will be evaluated for proficiency in mathematics.

**Immunizations.** North Carolina law requires that all students submit proof of immunization against diphtheria and tetanus (DT), polio, measles (rubeola), mumps and rubella within 30 days of enrollment. Students failing to do so must be suspended.

### **Advanced Placement and International Baccalaureate.**

Advanced standing may be earned through the Advanced Placement program of the College Board or the college level examination program (CLEP) for a total of 32 credits (with a maximum of 16 in each) for those examinations that correspond to courses in the Guilford curriculum.

The required course first-year experience 101 cannot be waived by

examination. The appropriate department chairperson must approve placement and credit decisions in the student's major.

Placement requires advanced placement scores of three or better, or CLEP scores of 50 or better; credit requires advanced placement scores of four or better or general CLEP scores of 55 or better. Subject CLEP scores must be at least 50 for placement and at least 55 for credit. General examination scores may apply only to courses taken to satisfy the general college or distribution requirement. Students may obtain credit for other courses only by taking subject area examinations.

Guilford also recognizes the International Baccalaureate (IB) for admission purposes. A course-by-course review by the registrar and the academic department(s) will specify placement and credit for higher-level subjects passed at an acceptable level.

For further information, the student should contact the Office of the Registrar or the Office of Enrollment. Continuing education students should consult an academic adviser in the Center for Continuing Education.

**Early Entrance.** Guilford's early entrance program welcomes applications through the normal admission process from qualified students who wish to pursue their educational objectives at an accelerated rate. Students of proven academic ability and exceptional motivation and maturity may be considered for admission before completion of the full four-year high school program. Any high school student with superior academic potential is eligible to apply. Usually these applicants wish to enroll after completion of the 11<sup>th</sup> grade, but capable students who wish to enter college even earlier may, in

some cases, be considered. Minimum age for application is 14.

For details, contact the Office of Enrollment.

**Application Procedure.** Applications are processed as soon as an application form and all supporting materials are received in the Office of Enrollment. The materials needed are:

- the completed application form with a \$25 application fee.
- a transcript of all secondary school work.
- results of one of the college entrance examinations (SAT I or ACT) or a portfolio.
- the school report form and at least one teacher evaluation (these forms are included with the application for admission).
- other recommendations at the discretion of the applicant.

Accepted students confirm their intention to enroll by paying a non-refundable \$300 enrollment fee required of all students.

**For more information.** Inquiries concerning admission to Guilford should be addressed to:

Guilford College  
Office of Enrollment  
5800 West Friendly Avenue  
Greensboro, N.C. 27410

336-316-2100 or 800-992-7759  
admission@guilford.edu

**Early Decision Plan.** To eliminate the necessity for prospective Guilford students to file admission applications to several colleges and to reduce the anxiety of some

regarding acceptance, Guilford has joined a number of other colleges in offering an early decision plan.

Through this optional arrangement, students whose first choice is Guilford and who have strong academic and personal qualities may have a decision from the Admission Committee by December 15 of their senior year rather than April 1. Additionally, to reward the commitment made to the college by students applying under the early decision plan, Guilford agrees to waive the \$25 application fee and to guarantee priority in both course and residence hall selection.

To apply to Guilford under the early decision plan, students should take the SAT I or ACT examination during their junior year in high school and submit their applications, with all supporting material, by November 15 of their senior year.

Under this plan, students agree to apply to no other colleges as an early decision candidate until a decision is reached by Guilford; and, if accepted, they agree to enroll at Guilford and pay the \$300 enrollment fee by January 15.

**Early Action Plan.** To allow prospective Guilford students who clearly are interested in the college, but have not yet determined that it is their first choice, Guilford offers an early action plan. Students who also plan to apply for a merit award through the Guilford Honors Scholarship Program should choose this option.

Through this arrangement, students who have strong academic and personal qualities may have a decision from the Admission Committee by February 15 of their senior year rather than April 1. Additionally, Guilford agrees to waive the \$25 application fee for all early action applicants.

To apply to Guilford under the early action plan, students should take the SAT I or ACT examination no later than December of their senior year in high school and submit their applications, with all supporting material, by January 15 of that year.

Unlike with the early decision plan, students choosing the early action plan may apply to other colleges and are under no obligation, if accepted, to notify Guilford of their college choice until May 1.

## PAYMENT OPTION PLANS

**Payment in full is due** by July 15 for the fall semester and December 15 for the spring semester.

**1. Payment** can be made by cash, check, cashier's check or money order.

**2. Payment by Credit Card.** The college will accept payment in full, subject to confirmation, by VISA or MasterCard. If you would like to use this method of payment, please return the form attached in the center of the booklet.

### **3. Academic Management Services (AMS) – Monthly Payment Plan.**

It may be convenient to pay education cost on a monthly basis. Guilford has partnered with AMS to provide an expanded payment plan program that offers services such as:

- A flexible ten-month installment, interest-free monthly payment beginning June 5, 2002, for the August 2002-May 2003 academic year.

- A monthly payment plan with a \$75 annual enrollment fee includes tuition protection coverage (TPC), Extended customer service hours, Internet access to your account, monthly statements mailed each month and Western Union phone pay option.

If you want to use the AMS program, you may contact them at 800-635-0120 or visit the AMS website at [www.amsweb.com](http://www.amsweb.com) to learn more about the AMS plan.

**Business Office Hours.** Hours are 8:30 a.m. to 5 p.m. Monday through Friday, exclusive of college holidays. E-mail addresses for the members of the Business Office:

- Paulette O. Esdaille, [pesdaille@guilford.edu](mailto:pesdaille@guilford.edu)
- Ellen Crawford, [ecrawfor@guilford.edu](mailto:ecrawfor@guilford.edu)
- Pat Anderson [panderso@guilford.edu](mailto:panderso@guilford.edu).

### **Special Note.**

- Bills for fall 2002 will be sent by June 1, 2002, and payment in full is due by July 15, 2002. Bills for spring 2003 will be sent by November 19, 2002, and payment in full is due by December 15, 2002. Your account will be charged \$200 LATE FEE IF NOT PAID IN FULL by July 15, 2002, for fall 2002 semester, and IF NOT PAID IN FULL by December 15, 2002, for spring 2003 semester.
- After July 18, 2002, if the outstanding balance on your account is over \$400 for fall 2002, and after December 20, 2002, for spring 2003, you will receive a letter from us stating the status of your account.

# Main Campus 2002-03 Semester Fees

If paid BY July 15, 2002, for fall 2002  
 If paid BY December 15, 2002, for spring 2003

	Residential Students: Basic DOUBLE Room	Residential Students: Basic SINGLE Room	Student Apartments #*	Day Students
Tuition and Fees	\$8,950	\$8,950	\$8,950	\$8,950
Student Activity Fee	150	150	150	150
Room	1,495	2,840	2,840	
Board	1,395	1,395	Optional	Optional
Key Deposit	25	25	25	
Deposit in ESCROW *	400	400	400	400
Medical Insurance	166	166	166	166

(for one academic year) \*\*

Semester Abroad:

Tuition and Fees	\$11,865
Medical Insurance	166

(for one academic year) \*\*

# Main Campus 2002-03 Semester Fees

If paid AFTER July 15, 2002, for fall 2002  
 If paid AFTER December 15, 2002, for spring 2003

	Residential Students: Basic DOUBLE Room	Residential Students: Basic SINGLE Room	Student Apartments #*	Day Students
Tuition and Fees	\$9,150	\$9,150	\$9,150	\$9,150
Student Activity Fee	150	150	150	150
Room	1,495	2,840	2,840	
Board	1,395	1,395	Optional	Optional
Key Deposit	25	25	25	
Deposit in ESCROW *	400	400	400	400
Medical Insurance	166	166	166	166

(for one academic year) \*\*

Semester Abroad:

Tuition and Fees	\$12,065
Medical Insurance	166

(for one academic year) \*\*

## Notes to Fees:

There is a \$50 reduction in the cost for room for residents in the Mary Hobbs Hall and the Hildebrandt House.

\*\* For Guilford students who did not elect coverage in fall 2002, or who only needed medical coverage in spring 2003, the charge is estimated at \$112, subject to change. International students pay \$449 for a year's coverage and for those who did not elect coverage in the fall, or who only needed coverage in spring 2003, the charge is estimated at \$280, subject to change and which includes a \$50,000 major medical policy. (This is different from other students' coverage.) All students involved in intercollegiate athletics **are required** to carry special athletic insurance and pay an additional premium of \$120 (subject to change). The basic insurance fee can be waived by completing and returning the insurance waiver card included in the billing booklet.

#\* Students in the student apartments are financially responsible for all utilities associated with the apartments.

\* The deposit in ESCROW is a deposit held by Guilford to offset outstanding student charges while the student is enrolled. When the student graduates or withdraws from Guilford, the deposit in ESCROW is refunded less any outstanding charges.

## Other Fees

Application Fee	\$ 25
Cap and Gown Fee	25
Deposit in Escrow (Non-Refundable if enrolled for less than a full semester)	400
Tuition per Credit (less than 12 credits)	550
Tuition Overload Fee per Credit (more than 18 credits)	209
Audit Fee per Credit (If full-time student – no audit fee is charged)	40
Registration Fee	15
Duplicate Diploma Fee	25
Returned Check Charge	25
Duplicate ID Charge	15
Motor Vehicle Registration	
Residence Student (for one Academic Year)	65
Residence Student (for one Semester ONLY)	35
Day Student (for one Academic Year)	40
Extra Stickers –Residence Student	25
Extra Stickers –Day Student	15

## Special Course Fees

(subject to change)

Education 440 (student teaching)	\$ 60
Education 440 (student teaching for two teachers)	90
Music Fees-Guilford; one ½ hour lesson per week	275
Music Fees-Guilford; one 1 hour lesson per week	550
Private Music Fees-Greensboro Academy of Music; one ½ hour lesson per week	310
Private Music Fees-Greensboro Academy of Music; one 1 hour lesson per week	525

- If the balance is NOT paid in full by August 1, 2002, for fall 2002 and by January 2, 2003, for spring 2003, check-in, course registration and room and board assignments will be cancelled and the student will be WITHDRAWN from the college. This means that if the balance is paid in FULL after August 12, 2002, for fall 2002 and after January 2, 2003, for spring 2003, the student will need to repeat the whole registration process, including course selection and room assignment. A \$200 processing fee will be added to the accounts of students re-registering after being WITHDRAWN.

## BILLING INFORMATION

Semester invoices are sent out approximately one month prior to the due date of payment. Invoices are sent to students at their permanent residence. **If any student wishes to have a student invoice sent to another party, it is the responsibility of the student to forward the invoice to another address. In special cases, you may submit a request on the Special Billing Request Form.**

You can query the status of your bill online. In the event that there is a need for a copy of the statement of your account, you can request one from the Business Office. An updated statement will be mailed to you.

**Please make checks payable to Guilford College and send in the enclosed envelope included with your bill. Please return the enclosed payment worksheet with your payment indicating any changes in the amount of the**

**invoice. Please mail payment in sufficient time to be received by the date due. Thank you.**

## EXPLANATION OF FEES

**Student Activity Fee.** The student activity fee is charged to all residential students and full-time day students and administered by the student government to cover the budget of certain student organizations in which all students may participate or from which they receive benefits.

**Deposit in ESCROW.** A \$400 deposit is charged to all full-time main campus students and is held in escrow while the student is enrolled. When the student graduates or withdraws from Guilford, the deposit in ESCROW is refunded in full less any outstanding charges.

**Tuition Overload Fee.** Students are charged tuition based on full-time enrollment (12-18 credit hours). If the student's course load exceeds 18 credit hours, there is a charge of \$209 for each credit hour over 18 (this does not include special course fees). Exceptions to this policy are extra credit hours for private music and honors students approved by the Office of the Academic Dean.

**Injury and Sickness Insurance.** Guilford makes available a student injury and sickness insurance plan. The basic policy features a \$25 deductible and a \$2,000 maximum per injury or sickness. Students may purchase optional major

medical coverage that raises the plan maximum to \$10,000. Details of the policy are subject to change each year. Information on details of coverage is provided during the summer preceding each academic year. The premium for insurance appears as a charge for the first semester. Students or parents must notify the Business Office in writing by September 30 if the insurance coverage is not desired.

#### **International Student Insurance.**

International students attending Guilford full time are required to carry the basic sickness and accident/major medical coverage for the academic year by a United States based insurance carrier. If not accepting the college's insurance, proof of coverage with a United States based insurance carrier must be provided prior to check-in day.

**Athletic Insurance.** Athletic insurance is **required** of all students participating in intercollegiate athletics. The Department of Athletics will send information about this coverage.

**Key Deposit.** A key deposit of \$25 is required of all resident students. The deposit is credited to the student's account at the end of each year when the student returns the key or is refunded if the student does not return for the second semester or graduates. If a student loses a key or does not return the key, the student will forfeit the deposit and be billed for the key, lock replacement and for the cost to re-key related locks.

**Residence Room Charge.** Guilford is primarily a residential campus, therefore, unmarried students are required to live on campus and eat in the college dining hall.

Local students may commute from their homes, but must specify when they apply that they intend to live at home with their parents and commute. Any exceptions to this policy must be approved through a petition submitted to the Office of Campus Life. **If you have not been granted permission to live off campus and have not completed a housing contract, you will be assigned a room and must pay all related charges.**

**The college is not responsible for a student's personal belongings located on college property. Students are urged to obtain their own insurance policy or to check with their parent's policy to ensure that their personal belongings are covered for damage or theft while located on the Guilford campus.**

**Board.** All residential students are required to eat in the dining hall with the exception of those living in the student apartments and Hildebrandt House. The director of food services and the college nurse are responsible for reviewing requests from students who present medical evidence requesting removal from the meal plan for dietary reasons.

**Motor Vehicle Registration Fee.** For information on motor vehicle registration and regulations, refer to the "Student Handbook."

**ID Replacement Charge.** If your Guilford issued ID has been lost or damaged beyond use, there is a \$15 replacement fee. Replacement cards are issued at the Department of Public Safety during the academic year.

**Returned Check Charge.** Returned checks will be redeposited one time unless we are notified otherwise. A \$25 handling charge will be added to the student's account each time a check is returned because of insufficient funds or other reasons. This is applicable to all checks written to Guilford.

## REFUNDS AND ADJUSTMENTS

Reimbursements of credit balances from loan disbursements or overpayments will be made approximately two weeks from the day credit is created. To the extent that funds paid to Guilford on behalf of the student exceed the total amount of tuition, fees and other expenses due from the student, Guilford will refund such excess payments (excluding any non-refundable financial aid) directly to the student, regardless of whether any funds were paid by the student, the student's parents or any other third party. **Guilford assumes no responsibility for remitting such excess payments to any person other than the student.** Refunds may not be processed in time to buy books before classes start. **Write separate checks for books.**

**Tuition Adjustments.** Subject to the adviser's approval, a student may change registration and add courses during the first week of classes. Students who reduce their course load to below 12 credits during the

first 21 calendar days will have their charges changed and be billed on a per-credit-hour basis.

A student who is billed for an extra-credit overload (in excess of 18 credits) may drop courses to reduce total credits to 18 or less through the 21<sup>st</sup> calendar day beginning with the first day of classes and receive 100 percent adjustment of the extra-credit charges. **No adjustment of charges will be made after this date.**

Adjustments are figured on the date the withdrawal or drop form is received in the Office of the Registrar. Any course change must be completed in the Office of the Registrar.

### **Withdrawal from the College.**

Students receive a pro-rata refund of tuition, room and board and fees up to the 60 percent point of the term based on the number of days attended as a percentage of the total number of days in the term. All refund checks are made payable to the student. Financial aid that requires half-time or full-time enrollment for the term will be canceled in accordance with state and/or federal requirements.

A refund schedule can be obtained from the Business Office. Withdrawal petition forms are obtained from and returned to the Office of the Dean for Campus Life. A request to the registrar for a transcript of credits shall be considered neither a notice of withdrawal from the college nor a cancellation of room and/or board reservation.

# Financial Aid

There are many students whose family resources are insufficient to meet the cost of a college education without special assistance. The Office of Student Financial Assistance and Planning and the Student Aid and Awards Committee of the faculty attempt to identify such students and arrange assistance for them consisting of scholarships, grants, loans and work opportunities.

About 58 percent of Guilford students receive need-based financial assistance (averaging \$14,684 in 2001-02); another 34 percent receive some type of financial assistance, such as merit awards or entitlements. All students benefit from income from endowment funds, since tuition and other expenses are set below actual costs.

**Basis of Awards.** In granting or renewing financial aid, the Student Aid and Awards Committee takes into consideration both satisfactory academic performance and financial need, according to the terms of the particular scholarships available. Financial aid may be continued for students placed on academic probation. However, financial aid may be terminated unless a C (2.00) average is earned during each term of academic probation. Please note: financial aid based on need is not automatically continued, but must be applied for each year.

**Application for Awards.** Completed free applications for federal student aid must be submitted to the government or a

copy submitted to the Office of Student Financial Assistance and Planning at Guilford by March 1 for new students and May 1 for continuing students. Guilford evaluates financial need by the Free Application for Federal Student Aid (FAFSA).

Forms may be obtained from the high school counselor, directly from Guilford's Office of Student Financial Assistance and Planning Office, or by going to Guilford's Web site at [www.guilford.edu](http://www.guilford.edu), clicking on financial aid, scroll down the page and click on "Complete your FAFSA online!" The Guilford federal school code is 002931.

Applications for scholarships and other financial assistance, or requests for additional information, should be addressed to:

Guilford College  
Office of Student Financial Assistance  
and Planning  
5800 West Friendly Avenue  
Greensboro, N.C. 27410  
336-316-2354

## SCHOLARSHIPS

**Honors Scholarships.** The college awards up to 30 honors scholarships to students in each entering class. These highly competitive academic scholarships exceed \$7,500 and range up to full tuition. They are renewed for each of the four normal

years of study, provided an overall grade-point average of 3.00 or better and full-time status is maintained.

### **Presidential Scholarships.**

Incoming first-year students who have demonstrated outstanding leadership during high school are eligible for renewable presidential scholarships of \$5,000 a year. Leadership criteria include achievement in areas such as the arts, civic affairs, student government or student publications. Minimum academic qualifications include a cumulative SAT score of 1170 (or ACT equivalent). Financial need is not a criterion. Continued eligibility beyond the first year depends on maintaining a grade-point average of 2.50 or better.

### **Guilford College Incentive**

**Awards.** First-year students and new transfer are eligible for these awards. Students who may not meet the academic criteria for presidential scholarships or honors scholarships, but who possess superior extra-curricular activity records, are eligible. Awards are in the amount of \$3000 per year and are renewable. Incentive awards are renewable for a total of eight semesters.

**Corella and Bertram F. Bonner Scholarships.** Guilford was selected by the Corella and Bertram F. Bonner Foundation in 1991 to be one of 11 liberal arts colleges to participate in a scholarship program funded by the foundation. Twenty first-year students, ranking in the top 40 percent of their high school classes and qualifying for a high level of financial assistance, are awarded scholarship funds to replace work-study in their financial aid packages. In exchange for the scholarship, students participate in a variety of tutoring

and other community service programs which must include summer program options. Eligible students must meet the established March 1 financial aid deadline.

**See Chapter 14 for scholarships awarded to students already enrolled.**

## **AID FOR QUAKER STUDENTS**

To the extent that restricted Quaker funds are available, Guilford follows the guidelines below for financial aid to Quaker students and ministers.

**Quaker Leadership Scholarship Program.** In an effort to recognize leadership potential among young Friends and to cultivate that potential, Guilford offers an average of eight to 10 Quaker leadership scholarships to each entering first-year class. Scholars are selected on the basis of interest in the Religious Society of Friends, leadership and academic potential.

Students selected as Quaker leadership scholars receive financial awards up to \$3,000 per year, renewable for four years. In addition, the college will award another \$500 per year if matched by the student's monthly meeting or other Quaker agency. Quaker leadership scholars must participate in a variety of program activities that include mentoring, community service, internships, Quaker studies courses and involvement in campus groups. The program is coordinated through the Office of Campus Ministry and Friends Center.

**Aid for Quaker Ministers.** Recorded Quaker ministers serving North Carolina Friends Meetings who are degree-seeking

students are eligible for financial assistance equal to the cost of full tuition up to and including 18 credits per semester. If the student attends college full time and receives the North Carolina Legislative Tuition Grant, the amount of Quaker funds will be reduced accordingly.

### **Aid for Quaker Ministry**

**Candidates.** Candidates for Quaker ministry may qualify for up to \$1,000 per year in loan/grant funds, according to need, if the sum awarded is matched by an equal contribution from the student's monthly, quarterly, or yearly meeting or a combination of these. If, after leaving Guilford, the student is employed full time in a professional capacity in North Carolina Yearly Meeting, s/he may have the loan canceled on a proportionate basis. Applications should be made to the director of student financial assistance and planning.

## **AID TO NORTH CAROLINA RESIDENTS**

To qualify for North Carolina State grants, a student must have established legal residence (domicile) in North Carolina and maintained that legal residence for at least 12 months immediately prior to the beginning of the semester. Grants are not available for students who have earned a bachelor's degree or have qualified for such a degree.

**North Carolina Legislative Tuition Grant (NCLTG).** During the 2001-02 academic year, \$1800 was credited to each full-time North Carolina student's account. Need is not a determining factor. The student must be an undergraduate enrolled

for 12 or more credits on October 1 for the fall term and on the 11th day of the spring term. Guilford matches for all main campus students the NCLTG, using funds from a specifically targeted endowed fund.

### **North Carolina State Contractual Scholarship Fund.**

The State of North Carolina provides scholarship assistance to needy North Carolina students attending private post-secondary institutions. During the 2001-02 academic year, over \$619,800 was distributed on the basis of need to Guilford students from North Carolina.

### **The Guilford Opportunity**

**Alternative Loan (GOAL).** The Guilford opportunity alternative loan is available to high-need North Carolinians as an alternative to borrowing from multiple Federal loan sources. Recipients who qualify for this loan alternative can borrow up to \$7000 per year and have 35% of their total loan canceled upon graduation if they graduate in eight semesters with a cumulative grade-point average of 2.65 or better.

## **FEDERAL GRANTS AND LOANS**

Guilford administers the **Federal Pell Grant Program.** The amount of each grant ranges from \$400 to \$4,000 and is determined by a congressionally approved schedule. Application for a Pell Grant is made via the free application for federal student aid.

The **Federal Supplemental Educational Opportunity Grants (FSEOG)** are available for students from low-income families with exceptional

financial need who require these grants to attend college. Grants range from \$200 to \$4,000 a year, depending on need, for a maximum duration of four academic years.

### The **Federal Perkins Loan**

**Program** offers loans to be repaid within 10 years with an interest rate of five percent. Payments begin six months after the student leaves school. Deferments may be granted with no interest to be charged for up to three years for a variety of postgraduate study and working experiences.

### **Federal Stafford Student Loans.**

Guilford participates in the Federal Stafford Student Loan Program. Federal Stafford loans are federally funded and insured. A completed Free Application for Federal Student Aid serves as the official application for a Federal Stafford Student Loan. If a Federal Stafford loan is awarded, it will be included on the financial aid award and agreement and an official promissory note will be issued. In order to receive the loan, simply sign and return the award letter and complete and return the Federal Direct Student Loan Promissory Note. Once the college's designated loan servicer receives these documents, the loan proceeds will be requested by the college from the lender selected by the student borrower. Funds will be transferred electronically to your tuition account. In instances where students are due a refund, a college check will be issued.

**Unsubsidized Federal Stafford Student Loan.** There are two versions of the Federal Stafford Student Loan. The Federal Stafford Student Loan is a loan based on need while the Unsubsidized Federal Stafford Student Loan is not. Once

the office has determined eligibility for either of these loans and indicated so on the award letter, the above-referenced letter and promissory note must be returned to receive these funds. If the award of either of these loans is declined, simply indicate the rejection of the loan on the signed award letter or the Stafford Loan information sheet, initial the change and return to the Office of Student Financial Assistance and Planning. The office will remove any reference to the loan(s) on the award and the business office will not anticipate any funding from these sources.

## **WORK OPPORTUNITIES**

Guilford operates a student employment service to assist students who need to work while in school. Placements are made in a variety of jobs, both on and off campus.

The college also administers a federally funded work-study program as well as a totally institutionally funded work program for which students may qualify on the basis of need.

Part-time work is available in the library, cafeteria, offices, laboratories, Physical Education Center and maintenance area.

# SATISFACTORY ACADEMIC PROGRESS POLICY FOR FINANCIAL AID RECIPIENTS

Revised: September 20, 2001

Guilford seeks to provide a high quality educational experience for all who choose to benefit from this opportunity. Guilford is committed to extending all possible resources in pursuit of this goal. However, students have responsibilities in regard to their educational pursuits. These responsibilities include, but are not limited to, the completion of course work in a reasonable time frame and with a quality of performance that meets accepted grade point standards. These benchmarks will be described in detail below.

In compliance with appropriate Federal regulations (see attached) Guilford shall adhere to the policies stated herein for determination of satisfactory academic progress compliance relative to eligibility for financial aid. This includes federal, state and institutional funds. Certain academic awards and some endowed scholarships may require higher academic performance than this satisfactory academic progress (SAP) policy. Students must be maintaining satisfactory academic progress before financial assistance can be awarded.

# SATISFACTORY ACADEMIC PROGRESS POLICY DEFINED

A Guilford student is maintaining satisfactory academic progress towards the completion of a degree if he/she is meeting standards according to the following measurements:

**Qualitative Measurement of Academic Progress.** GPA of 2.0 or greater after two or more semesters of enrollment. GPA of 1.0 or greater after first semester of enrollment.

- **Academic Probation.** A Guilford student will be on academic probation if the cumulative grade-point average is below the level required for graduation: 2.00. Students placed on academic probation are not allowed any unexcused absences from classes. Their eligibility to continue at Guilford is contingent upon earning at least a C (2.00) average during each term of academic probation. Earning a C average during a given term may not remove a student from academic probation, but it will assure eligibility to continue at Guilford. Failure to meet the conditions of academic probation will result in suspension or dismissal. Academic probation is not considered a punitive measure, but rather an indication that the student needs to make greater effort. Students on academic probation are advised to seek special counseling from their academic adviser, staff of the Academic Skills Center or the campus life staff to help surmount difficulties that might lead to suspension or dismissal.

- **Academic Suspension or Dismissal.** If a student fails to attain a term average of C while on academic probation, the student either will be suspended for an academic year or be dismissed for academic deficiencies. Students recording a 1.00 or lower grade-point average during the first semester at Guilford will be suspended or dismissed without a probation period. Suspended students may apply for readmission through the associate academic dean after their suspension period. The associate academic dean has the authority to readmit students whom the college has previously dismissed. If they are readmitted, students who have been suspended or dismissed return on academic probation. These students may become eligible again for financial aid; the returning student must file an appeal with the Student Aid and Awards Committee. Similarly, readmitted students are permitted to resume athletic participation if all eligibility standards are met.
- **Disciplinary Suspension or Dismissal.** The “Student Handbook” outlines rules and regulations for disciplinary suspension or dismissal.

### **Quantitative Measurement of Academic Progress.**

- **Successful Completion of 66% of Hours Attempted for Academic Credit.** In order to maintain satisfactory academic progress a student must successfully complete with a grade D- or better at least 66% of all hours attempted for credit. At the end of each spring semester all enrolled students’

credentials will be reviewed for compliance with this requirement. Any class enrolled in for which the student does not receive a 100% refund when withdrawing will be considered “attempted hours” for purposes of this policy. Any student who does not pass at least 66% of these attempted hours will be placed on financial aid probation. These students will be allowed to continue to receive financial assistance during the next semester of enrollment. Students failing to meet the 66% threshold during this probationary semester will not receive financial assistance in the subsequent term. Students on probation who meet the 66% threshold will continue on probation and eligible for assistance. Upon reaching a cumulative mark of hours passed equal to or greater than 66% students will be removed from satisfactory academic progress probation.

- **Maximum Time-Frame for Degree Completion.** Students are expected to enroll and satisfactorily complete the required number of credit hours for completion of their chosen degree. Federal regulations limit the maximum time frame for receipt of financial assistance to no more than 150% of the length of the academic program. Students are allowed to “attempt” a total number of credit hours not to exceed 150% of the total credit hours required for completion of their program. (At Guilford this regulation limits eligibility to 190 attempted hours. If a student exceeds this regulatory limitation, financial assistance will be discontinued.)

Maximum allowable credit hours attempted includes all terms of enrollment at Guilford:

- semesters during which students are not maintaining satisfactory academic progress
  - semesters during which students are enrolled for less than half-time
  - semesters during which students do not receive financial assistance
- Note: All credit hours for which students enroll for credit during any term of enrollment are included as “attempted hours”, whether or not the student successfully complete the course or officially withdraws. (Exception: Courses which a student drops and receives a 100% refund are not included in “attempted hours”).

Satisfactory academic progress will be evaluated on an academic year basis for determination of eligibility for assistance for the next academic year. Students on satisfactory academic progress probation will be evaluated at the end of each semester or summer school term.

### **Reinstatement of Financial Aid**

**Eligibility.** Should a student have his or her financial aid eligibility revoked due to this policy, termination will continue until the student completes sufficient hours, without benefit of financial assistance, to reach the required performance threshold. Once satisfactory progress is achieved, eligibility may be re-instated for the next term. A student should request reconsideration of aid when he/she has met the satisfactory academic progress definition. Re-instatement of aid will depend on the type of funds requested and the availability of funds.

### **General Information.**

- **Transfer students.** Transfer credits from other institutions are not used in determining satisfactory academic progress.
- **Incomplete Courses** Credits of incomplete courses are counted in the number of attempted hours and GPA calculations.
- **Course Withdrawals.** W's are not considered in computing grade point averages. They are counted in attempted hours.
- **Withdrawal from the College.** When a student withdraws from Guilford with grades of W in all courses, these courses will be counted in the number of attempted hours.
- **Audited Courses.** Because students do not receive credit for audited courses, these courses are not counted as hours attempted or completed. (Financial aid is not awarded for classes taken on an audit basis.)
- **Grades.** In evaluating coursework for satisfactory academic progress compliance, all coursework attempted for academic credit for which tuition charges are assessed will be counted in the number of attempted hours to determine the pass-rate percentage. All grades will be included in measuring the pass-rate, including **W, WP, WF, F** and **XF**.
- **Re-admitted students.** Students who return to Guilford after an absence of one semester or more will have their satisfactory academic progress status continued.
- **Enactment of Policy.** This updated satisfactory academic progress policy will become effective with the 2001-02 academic year. The policy will be reviewed periodically to determine its effectiveness and compliance with Federal regulations.

**Appeals of Financial Aid Termination Due to SAP Non-compliance.**

To appeal financial aid termination a student must be able to demonstrate unusual circumstances affecting his/her academic performance.

- A student must appeal, in writing, to the director of student financial assistance and planning. This written appeal must include the reason(s) why the student did not make satisfactory academic progress and why financial assistance should be re-instated. This written appeal must be received in the student financial assistance and planning office within thirty days of the date of the letter of notification to the student informing the student of the termination of eligibility. Any pertinent documentation relative to the student's appeal is recommended.
- The director will review the appeal. This review should take place within three days of receipt of the letter of appeal. The director will notify the student, in writing, of the decision and the reason for the ruling.
- A student wishing to appeal the decision of the director may do so, in writing, to the associate dean of enrollment who is required to take this second appeal to the Student Aid and Awards Committee. This appeal must be received by the associate dean within ten days of the date of the letter in response to the first appeal.
- The student will be advised of the committee's decision within five days of receipt of the letter of appeal. Decisions of this committee are final.

# Academic Regulations and Procedures

Academic regulations are subject to change. In general, students may graduate according to the academic regulations stated in the catalog at the time of their entrance. It is the responsibility of students, aided by their advisers, to familiarize themselves with academic regulations and to plan courses of study that will meet all departmental and college requirements.

## REGISTRATION PROCEDURES

### **Entering first-year students.**

Entering first-year students are mailed pre-registration materials during the summer. They complete their registration with their adviser during August orientation.

### **Transfer and readmitted students.**

Transfer and readmitted students may pre-register during the summer by contacting the associate academic dean or register on the day before classes begin in August.

**Current students.** Current students pre-register for the fall semester during April and pre-register for the spring semester during November.

**Advising.** Entering first-year students select their courses in conjunction with an appointed adviser. Beginning with the sophomore year, students register with an adviser from their major department if they have chosen a major. If not, they may continue with the current adviser or choose another adviser. To declare a major or change from one major to another, a student should see the chairperson of the new department. To complete the switch, the current adviser and the new adviser should sign “a change of adviser” form and the student should deliver it to the registrar. If requested, the associate academic dean will assist with a change of adviser.

### **Enrolling in Consortium Courses.**

Guilford students also may enroll in appropriate liberal arts courses in the consortium (**see page 192**), provided that Guilford does not offer the selected courses and that the institution’s own students do not fill the enrollment. Credit will be granted and grades and grade points will be applied.

### **Changes in Registration:**

**Withdrawal from Courses.** Once registered, the student is responsible for all listed courses and may change registration only by delivering to the Office of the Registrar a drop-add slip bearing the

signatures of the academic adviser and the instructors of the courses dropped and/or added.

Students may add new courses to their schedules during the first week of classes with the adviser's and the professor's written approval. They may drop courses with a grade of W up to six weeks before the last day of classes in a semester. After that, the regular grade will be given unless the associate academic dean, academic dean or dean for campus life authorizes an administrative withdrawal. Grades of WP (withdrawal with a passing grade) or WF (withdrawal with a failing grade) will be used only in those cases when a student withdraws completely from the college.

## CLASS STANDING: CLASSIFICATIONS OF STUDENTS

Class standing for students admitted to the baccalaureate degree program is determined at the beginning of each semester. A **first-year student** has completed fewer than 24 credits toward a degree; a **sophomore**, at least 24 credits; a **junior**, at least 56; and a **senior**, at least 88.

An **unclassified student** is one who already holds a baccalaureate degree. Such students may or may not be seeking a second degree.

A **visiting student** is not seeking a Guilford degree, but is earning college credit to be applied to a degree program at another college or university.

An **auditor** is a student who attends class, listens to lectures and may participate in class discussion without receiving credit. These students do not complete the

application form and need furnish none of the credentials required of degree candidates; they also are not required to fulfill course assignments. Except for studio, physical education activity and lab courses, as well as independent studies and internships, auditors may enter any college course for which they have the stated prerequisites, with permission of the instructor and payment of a course fee where applicable. Auditors register on the first day of class on a registration form. Should a course be filled beyond capacity, students enrolled for credit will have priority over auditors, and the instructor or the registrar may request the latter to withdraw from the course. A full tuition refund will be made in all such cases.

Senior citizens of age 60 or above who meet the stated prerequisites for a course may enroll as auditors, with instructor permission, if space permits. Applicable course and laboratory fees must also be paid. Each student, except for an auditor, is either a full-time student (carrying at least 12 credits) or a part-time student (carrying fewer than 12 credits). All main campus students must live in the residence halls unless granted permission to live off campus by the Office of Campus Life.

## NORMAL SEMESTER LOAD

Students working toward a degree normally carry four courses (16 credits) each semester. In the fall and spring terms, 12 to 18 credits are considered a full-time load. During each five-week summer term, four to six credits are considered a full-time load. For the eight-week summer term, eight credits are considered full time.

## OVERLOADS

Students who wish to take more than 18 credits in any semester must have the permission of the associate academic dean. Additional charges are assessed for all credits over 18 per semester, with the exception of those taken by music majors, who pay the extra music fee required by their course of study. Students who have made the full-time Dean's List for the previous three semesters and have permission from the associate academic dean to register for 20 credits will not be charged for the two-credit overload.

## THE WEEKLY SCHEDULE

Campus day classes meet on weekdays. Night classes meet in eight-week (Fast Track) terms on Monday/Wednesday and are also available in 16-week terms on Tuesday/Thursday or on Monday, Tuesday, Wednesday or Thursday evenings only. Some Saturday classes are offered.

Certain classes meet for four hours each week, others for three hours and some for only two hours, the frequency of meeting depending upon the nature of the course and the method of instruction. In every case, three hours of consistent effort per week is expected of the typical student for each credit.

## CLASS ATTENDANCE

Laboratory attendance is considered an essential part of science and language courses. The success of classes using discussion techniques and seminars emphasizing student participation depends on regular attendance by the participants.

Individual faculty members and academic departments make clear their requirements and expectations in regard to particular courses. Failure to meet such requirements or expectations may result in lowered grades, an involuntary withdrawal from a course and, if the last day for withdrawal has passed, a failing grade.

Students on academic probation are allowed no absences unless approved by the associate academic dean. Students failing to meet this condition of academic probation are subject to suspension or dismissal.

## CANCELLATION OF CLASSES

Classes are scheduled to assist students in the learning process, and it is the policy of the college to hold all classes as scheduled. Classes are normally not canceled in times of inclement weather. However, in case of severe weather hazards, the president and the academic dean will determine if scheduled classes will be held. The academic dean will announce cancellations via campus voice mail and local radio and television stations. Instructors may make arrangements for make-up classes if they choose to do so.

When classes are not canceled and commuting students miss classes because of hazardous driving conditions, their absences will be excused and special arrangements will be made to enable each student to make up missed work.

Faculty members unable to meet classes in such situations or because of illness will notify their chairperson or the academic dean. Proper notice will be placed in the instructor's classroom at the beginning of the instructional period.

# THE GRADING SYSTEM

A student's grades are determined by daily preparation, participation in class discussion, the quality of written and laboratory work and the results of quizzes and examinations.

The grade of A represents exceptional achievement; B, superior; C, average; D, passing; and F, failing. The grade for auditing is AU.

Plus (+) and minus (-) suffixes to letter grades may be assigned and will be shown on the student's permanent transcript. Plus (+) and minus (-) suffixes may not be used when assigning the grade of F, and the plus (+) suffix may not be used when assigning the grade of A.

An "X" precedes a grade whenever, through unavoidable circumstances, the work in a course has not been completed. In such a case, the grade is provisional and may be replaced with a better mark upon completion of the work. The provisional grade becomes the final grade if the course work has not been finished by the approved deadline that is no later than interim of the next regular semester. All provisional grades need the approval of the associate academic dean. Provisional grades for seniors may not be changed after graduation.

Occasionally RD (report delayed) is recorded to indicate that a grade was not received.

Only grades of C- or better may be counted toward the major.

**Grades.** Grades are not mailed home. Interim and final grades can be viewed by the student online using BannerWeb. At the end of each semester, final grades are posted to the permanent transcript.

Permanent transcripts are unabridged records of all academic work attempted by students at Guilford. Confidentiality of student records is maintained according to guidelines published by the Office of Campus Life.

No grades for graduating seniors will be changed after graduation.

**Grade Points (Quality Points).** One grade point is assigned for each credit of D work, two for C, three for B and four for A; zero points are assigned for grades of F, XF, WF. Plus (+) and minus (-) suffixes add and subtract .3 to the numerical value of the grade affected. To be a candidate for a degree, except under the C credit accumulation plan, a student must have a cumulative C (2.00) average.

Cumulative grade-point averages are determined by dividing the accumulated grade points by the total credits attempted, minus credits in courses marked AU, W, WP, CR (credit), NC (no credit) or RD and transfer credits. Each time a course is taken or repeated, the attempted credits and grade points are entered into the statistics used to compute the grade-point average.

Students may not repeat for credit any course previously passed. The credits for a course can apply toward graduation only once, no matter how many times it is passed. Exceptions are the special topic courses, whose contents vary, and courses that may be repeated.

Numerical values assigned to grading are:

A	4.0	C	2.0
A-	3.7	C-	1.7
B+	3.3	D+	1.3
B	3.0	D	1.0
B-	2.7	D-	0.7
C+	2.3	F	0.0

Grade-point averages are computed at the end of each term and include all work done at Guilford plus work completed during fall and spring semesters at consortium institutions. Summer work completed at Guilford is included in the computation of a student's grade-point average; summer work taken at other institutions is not included.

**Credit/No Credit Option** To encourage students to broaden their course selections after the first year, the college offers students the opportunity to elect one course each semester (a maximum of eight credits a calendar year) on a credit/no credit basis.

Students electing credit/no credit grading during the first week of the term and subsequently meeting all the normal requirements of the course at the C level or above will be awarded credit for the course with a grade of CR (credit). Unsatisfactory progress will be indicated with a mark of NC (no credit). Neither grade will affect the student's grade-point average.

To elect credit/no credit grading for a regularly graded course, the student must secure the consent of the instructor and file an election card with the registrar by the last calendar day to add courses. Students who decide to adopt this option will not be allowed to change their registration.

The credit/no credit options may not be used in courses required in the student's major, in any other required course (including the concentration and liberal arts requirements) or by first-year students. Veteran benefits are not available for courses taken on a credit/no credit basis.

A few Guilford courses, as indicated in the catalog, are exclusively graded credit/no credit.

## THE HONOR CODE

In academic affairs, Guilford operates according to an honor system, symbolized by the honor pledge inscribed by students at the end of written work submitted for credit: "I have been honest and have observed no dishonesty."

It is assumed that all members of the college community will respect the principles of honesty and mutual trust embodied in the Honor Code. Individual students are responsible for preparing their own written work in every class unless specifically permitted by the instructor to combine efforts on an assigned project. They are expected to understand the meaning of plagiarism and to avoid all suspicion of plagiarism in papers prepared outside of class. Furthermore, students are expected neither to sanction nor tolerate violation of the Honor Code by others.

Faculty members or students suspecting that a student has been dishonest in academic work and having evidence to support this suspicion should refer the case to the Academic Honor Board for consideration. As with all judicial matters, the rights of the suspected student will be protected.

## TRANSFER CREDITS

Transfer students must present an official transcript and a statement of honorable dismissal from each college attended.

Credit for courses completed with a grade of C or above, appropriate to Guilford's liberal arts curriculum, may be transferred from accredited junior colleges, community colleges, senior colleges or universities. Courses to be applied to a

major at Guilford must be approved by the chairperson of the major department.

A maximum of 64 credits may be transferred from two-year colleges and up to 48 credits from two-year technical colleges accredited by the Commission on Colleges of the Southern Association of Colleges and Schools or one of its five regional equivalents. Up to 32 credits may be transferred from two-year community colleges, technical colleges or other two-year institutions not so accredited.

Preliminary questions about transfer credit may be directed to an admission counselor. The final evaluation of transfer of credits is approved by the registrar or, for continuing education students, by an academic adviser at the Center for Continuing Education. Transfer students may receive 16 credits for each 15 semester hours applied to Guilford's degree.

Each transfer student must meet the college regulations for graduation with respect to all academic requirements described on page 27. If a student enters with 12 or more credits, the First-year Experience 101 course is not required.

Transfer students who have completed first-semester English with a grade of C or above at either an accredited four-year college or university, or an accredited North Carolina two-year college, are not required to take English 102.

Transfer students from all two-year institutions outside North Carolina are expected to submit SAT (or ACT) scores and/or take the placement exam unless granted an exemption by the director of writing. A good score on the test along with a minimum of three transfer credits in freshman English composition and literature will satisfy the college's English 102 requirement. Otherwise, the student may be placed in English 101 for additional work on composition skills.

A transfer student with three credits in freshman English may enter English 102 without loss of credit; however, English 101 will be considered a four-credit duplication of first-year transfer English credit.

Students who are entering with appropriate credit for a second semester of first-year composition will not need to satisfy the college's second-semester writing requirement, historical perspectives. However, they will be expected to take a history course if they have not already taken one at the college level.

All students whose native language is not English are screened by either SAT or ACT scores or by an English placement exam, and their placement in English 101 or 102 is determined by scores on these tests.

A foreign language proficiency test is administered to transfer students who have not satisfied the requirement with at least 2.7 transfer credits in a foreign language. Through scores on this test, students may be exempt from further language study.

## **ACADEMIC PROBATION**

A Guilford student will be on academic probation if the cumulative grade-point average is below the level required for graduation: 2.00.

Students placed on academic probation are not allowed any unexcused absences from classes. Their eligibility to continue at Guilford is contingent upon earning at least a C (2.00) average during each term of academic probation. Earning a C average during a given term may not remove a student from academic

probation, but it will assure eligibility to continue at Guilford. Failure to meet the conditions of academic probation will result in suspension or dismissal.

Academic probation is not considered a punitive measure, but rather an indication that the student needs to make greater effort. Students on academic probation are advised to seek special counseling from their academic adviser, staff of the Academic Skills Center or campus life staff to help surmount difficulties that might lead to suspension or dismissal.

## SEPARATION FROM THE COLLEGE

**Academic Suspension or Dismissal.** If a student fails to attain a term average of C while on academic probation, the student either will be suspended for an academic year or be dismissed for academic deficiencies.

Students recording a 1.00 or lower grade-point average during the first semester at Guilford will be suspended or dismissed without a probationary period.

Suspended students may apply for readmission through the associate academic dean after their suspension period. The associate academic dean has the authority to readmit students whom the college has previously dismissed. If they are readmitted, students who have been suspended or dismissed return on academic probation. These students may become eligible again for financial aid; the returning student must file an appeal with the Student Aid and Awards Committee. Similarly, readmitted students are permitted to resume athletic participation if all eligibility standards are met.

**Disciplinary Suspension or Dismissal.** The “Student Handbook” outlines rules and regulations for disciplinary suspension or dismissal.

**Voluntary Withdrawal.** All students who wish to withdraw from the college during a semester or at the end of a semester must indicate their intentions through completion of an official withdrawal form with the Office of Campus Life. Continuing education students obtain withdrawal forms through one of the academic advisers at the Center for Continuing Education. All students who withdraw must complete and submit applications for readmission if they wish to re-enroll.

**Medical Withdrawal.** When illness, injury or psychological/psychiatric disorder occur while a student is enrolled, a student or guardian may request, or the college may require, a medical withdrawal from school. All medical withdrawals must be approved by the associate academic dean and either the director of student health or the director of counseling services. Documentation of the illness, injury or psychological/psychiatric disorder from a medical professional (employed by Guilford or not) is required prior to this approval. Students who are granted medical withdrawals receive W grades in all courses, and specific conditions for readmittance are stipulated at the time of withdrawal. These conditions may specify a period of time for the withdrawal and/or may require a letter of medical clearance from a physician, psychologist or psychiatrist stating the professional expert’s opinion that the student is now capable of handling the academic and social demands of college life.

Students residing on campus who withdraw from the college are required to vacate residence halls within 24 hours of their effective date of withdrawal.

All students receiving medical withdrawals from Guilford are required to reapply through the Office of Enrollment. Readmission is the decision of the Readmission Committee, which will consider information provided by the associate academic dean, the director of student health, the director of counseling services, the dean for campus life and any other appropriate college officials in making its determination.

**Leave of Absence.** A student in good academic and financial standing may apply for a leave of absence for one or two semesters. A leave of absence may be approved for students with financial, personal or medical concerns, students participating in non-Guilford educational experiences and students who need a break. Students considering this option need to meet with a member of the campus life staff who will provide full details and assist in working out specific arrangements related to the leave. All students who withdraw must complete and submit applications for readmission if they wish to re-enroll.

### **Nonpayment of Tuition and Fees.**

Students must pay tuition and fees according to the schedule established by the Business Office. Students who do not fulfill their financial obligations to the college according to this schedule, or who fail to make satisfactory arrangements with the business office to pay according to some other mutually agreed-upon schedule, may be dismissed from the college.

## **TRANSCRIPTS**

The registrar will release transcripts only upon the written request of the student. If transcripts are ordered one week in advance of the date they are needed, a normal processing fee of \$5 applies; \$10 for faxed transcripts. On-demand transcripts are available for \$10; \$10 for faxed copies. The registrar will not issue official transcripts of a student who has an outstanding financial obligation to the college.

## **DEGREE CANDIDACY**

Diplomas are dated at the time of degree completion (May, July or December). Commencement exercises are held in May for students who have completed degree requirements.

One semester before expected graduation, each degree candidate must submit an application for graduation to the registrar. The chairperson of the relevant major department and the concentration chairperson must approve the application, indicating that the student will complete all degree requirements at the end of the next semester. A student who fails to complete all degree requirements by the scheduled graduation date must reapply for graduation.

To receive a diploma or participate in commencement, a student must have satisfied all academic requirements, must have cleared all outstanding accounts with the Business Office and must have no judicial action pending. Diplomas will not be awarded to any students against whom there are unresolved judicial charges.

When a degree program is discontinued by Guilford, that degree may continue to be awarded for a subsequent

five-year period, provided all requirements for the degree can be met. However, once the degree program has been terminated, the college is not obligated to continue offering courses necessary to complete that degree.

Students are expected to complete graduation requirements within 10 years of the date of entrance. If transfer, current or returning students have earned credits more than 10 years old and wish to apply them towards graduation, they must validate these credits by completing at least 16 credits of current work. They should take this work within the four semesters preceding graduation and must be enrolled at the college during the last semester of study.

If a student is awarded a second undergraduate degree, notation of the new degree and the date it was awarded will be added to the permanent transcript.

A student receiving a bachelor's degree from another accredited institution may receive a second bachelor's degree from Guilford by fulfilling the conditions outlined above. Please note that Guilford's general college requirements must be satisfied either by courses taken at Guilford or by suitable substitute from the prior institution. Such students must register through the Center for Continuing Education and have their records reviewed by an academic adviser at entry.

## **SECOND DEGREES**

Any graduate who desires a second bachelor's degree of present date from Guilford must normally spend at least two semesters in additional study.

Requirements for a second degree include: satisfactory completion (with at least a C average) of a minimum of 32 credits of coursework beyond the first bachelor's degree and completion of at least 16 of the 32 credits at Guilford, including all prescribed major requirements. Candidates for a second degree are expected to be enrolled at Guilford during their last semester of study.



# *Campus Life*

Campus life at Guilford is influenced by the Quaker heritage of the college and by the Quaker view of humankind in the world. College policies and regulations are designed to create an ordered environment conducive to learning and development, in an atmosphere marked by personal integrity and respect for others. Campus living demands of students a sense of responsibility for their own actions and an awareness of their roles in the community.

Specific guidelines for campus life are printed in the “Student Handbook” available from the Office of Campus Life. It is the responsibility of every student to be informed of college policies and regulations and to abide by them in good faith.

## **STUDENT GOVERNMENT**

Student government at Guilford is organized around a Community Senate composed of representatives from various segments of the student body, members of the administration appointed by the president and faculty members selected by the faculty. Executive officers of the Senate are chosen each spring in campus-wide elections.

The Community Senate, within the policies and regulations established by the Board of Trustees, derives authority from the president of the college to govern the student body and to coordinate and direct

the several subsidiary organizations of student government. The president of the Community Senate, with the consent of its members, appoints student representatives to Board of Trustees committees and to faculty committees. The Senate acts as a forum for campus concerns and determines the amount and distribution of student activity fees.

The Student Residence Council, a subcommittee of Community Senate, provides a forum for residence life issues and encourages student involvement in improving the quality of residential living at Guilford. Each residential hall or area has a hall council which sponsors activities for residents supported by the students’ activities fees.

**For information about Continuing Education Student Government, see Chapter 8.**

## **RESIDENTIAL LIFE**

Residential life is a vital part of the educational mission of Guilford. Residential life provides many points of interaction with others for friendship, for the formulation of values and for exercising communal and personal responsibility.

Because Guilford is primarily a residential campus that values the community of students in a residential setting, students are normally required to

live on campus and eat in the dining hall. Local students may commute from their homes but must specify when they apply that they intend to live at home with their parents and commute. There are no opportunities for married students to live on campus.

During fall and spring breaks and Thanksgiving, residence halls are open; no meals are served at these times. The residence halls are closed during the winter break.

Upon notification of admission to the college, new students should reserve rooms by signing contract forms mailed with the new student “Enrollment handbook.” Reservations become effective with the signing of the contract and payment of the admission deposit.

For additional information on residence halls, please refer to the “Student Handbook.”

## RESIDENCE HALLS

- **Binford Hall**, a coed residence hall completed in 1962, contains rooms for 155 students, primarily first-year students, with lounges on each floor. Binford features a substance-free area.
- **Bryan Hall**, completed in 1968, is designed to house 217 students in suites of eight. It consists of four buildings around a central courtyard and houses both men and women by suite. The hall is predominantly an upper-class residence. The central courtyard is the site for many social activities throughout the year, including quad dances.

- **English Hall** was built in 1957 and accommodates 51 men. Its amenities include carpeting and central air conditioning. English is characteristically a “quiet” hall.
- **Mary Hobbs Hall**, built in 1907 and completely renovated in 1977, provides an opportunity for women to reduce expenses by doing cooperative house-keeping. The hall contains rooms for 55 women and three lounges. Residents share cooperatively in much of the work. A student coordinator handles allocation of responsibilities, and each student works approximately 20 minutes a day on a rotating basis keeping common rooms clean.
- **Milner Hall**, completed in 1962, contains 245 spaces for men and women. Renovations of this facility in 1990 included complete remodeling of all rooms, bathrooms and hallways.
- **Shore Hall**, built in 1954, has rooms for 61 women and a spacious main lounge. Shore has an extended “quiet” hours option.

**All** traditional residence halls feature air conditioning and at least one kitchenette for use by residents.

**Special Interest Housing.** Guilford offers the opportunity for groups of students to live together in special interest housing. These small houses of eight to 13 students are organized around common social or academic interests, such as the study of languages, science or cultural themes. Groups of students may apply each spring for special interest housing for the following academic year.

**Student Apartments.** There are 24 student apartments, completed in 1991, housing 96 students in air-conditioned single rooms available for upper-class students. These apartments, shared by four students, are carpeted with furnished bedrooms, fully equipped kitchen and unfurnished dining room and living room. They are located in a wooded area north of Milner Hall.

## STUDENT SERVICES

**Orientation.** The orientation of new students and their parents begins just prior to the opening of school with a program called CHAOS: community, health, advisement, orientation and services, giving students and parents an opportunity to meet faculty, administration and staff. During CHAOS, new students work with trained student leaders in groups of 18 to get acquainted with campus resources, meet with their academic advisers, participate in social events and become acquainted with campus life so that they may begin college as smoothly as possible.

**AVANTI Program.** The AVANTI program consists of optional three-day intensive community-building experiences designed to challenge students, help them think about themselves as learners and break down barriers by interacting in an experiential setting with several faculty members and upper-class students. Options include outdoor adventure experiences, service projects and writing/self-reflection experiences.

**Student Health Service.** Prior to the opening of school, each new student is required by North Carolina law to submit Certification of Immunization to the Student Health Service. The required physical and immunization record must be completed by a physician, physician assistant or nurse practitioner. Students who fail to comply with this state law must be suspended.

The Student Health Service is located in Founders Hall. The service keeps daily hours during the week, and a physician holds clinic visits on a scheduled basis. Emergency care is available after clinic hours at local walk-in clinics and hospital-based emergency rooms. The medical service included in the tuition charge for full-time main campus students covers routine illnesses and the cost of sick calls in the student health service. An additional charge is made, however, for X-rays, lab work or off-campus referral.

An optional student health insurance plan is also available. See Chapter 10.

**Counseling Center.** The Counseling Center is based on the premise that every person has the potential for continuous personal, intellectual and social growth. Seldom is that growth more accelerated or more vulnerable than during the college years. The Counseling Center is available to provide support to the student throughout this all-important period.

Located in the basement of Founders Hall, the Counseling Center is staffed by certified clinical social workers trained in personal and group counseling and crisis assistance.

The service offers a confidential setting for students to plan life goals, resolve academic or personal difficulties and learn about new dimensions of themselves

through workshops or individual and group psychotherapy. It also provides a referral service to sources of assistance in the Greensboro area.

Counseling services available for continuing education students are described in Chapter 13.

### **Career Development, Internship and Community Learning Center.**

The Career Development, Internship and Community Learning Center assists students and alumni in setting and achieving their career and life goals. Through personal advising, assessment and experiential activities, counselors and program coordinators help students identify interests and skills, relate college experience to the world of work and plan their next steps after graduation. Special programs, career fairs and a one-credit course also assist students in their planning. An alumni network gives students access to Guilford graduates who are willing to share their expertise.

The center houses a library of rich resources that help students plan a major, investigate graduate programs, develop a polished resumé, conduct an effective job search or find an internship (the internship program is discussed in Chapter 7). Reference materials on national and international companies and agencies in the nonprofit sector are also available.

The center also coordinates and supports a strong service component. Through it, students can choose from a wide range of service opportunities in the Greensboro community. With staff support, students initiate and manage an array of diverse programs at sites that include a prison unit, homeless shelter, refugee community, etc. Training in

leadership skills, program management and cultural understanding is provided to participants.

The center serves all students and encourages early involvement.

**Student Employment Service.** The Student Employment Service (SES), a part of the Career Development, Internship and Community Learning Center, assists students seeking part-time and summer employment. Students registered with SES have access to the online OPTIONS conference, which lists part-time opportunities in the greater Greensboro area as well as nationwide summer positions. SES also facilitates the matching of students who have been awarded work-study as part of their financial aid package with campus employers.

**Services for Students of Diverse Ethnicity.** Through several staff and faculty members, services are available to students of diverse ethnic heritage. Additionally, the college's cultural pluralism committee supports and promotes an appreciation of the value of cultural and intellectual diversity at an institutional level.

The Office of African American Affairs serves as a primary point of contact for African American students regarding their director provides administrative leadership in the development, coordination and delivery of a comprehensive range of social, cultural and educational services and activities.

The Native American program provides for the recruitment, retention and support of Native American students. The director is also a member of the teaching faculty. In addition to providing support in all areas of campus life, the program also

plans social activities and promotes cultural events which increase visibility and knowledge of native cultures.

The Multicultural Resource Center, located in Founders Hall, preserves and promotes the ethnic cultures of all Guilford community members, with a special focus on historically underrepresented populations. In order to achieve its aims, the center provides advocacy and educational programming and functions as a clearinghouse for culturally specific information. It is staffed by a part-time coordinator working collaboratively with student employees and volunteers.

### **International Student Services.**

Services are available to international students through the International Student Office and the international student adviser, who advises them on institutional rules, government regulations, academic resources and opportunities offered by both the college and the larger Greensboro community. Various programs and resources are available through the International Student Office to aid international students in their transition to Guilford and the Greensboro community.

Guilford is a member of the Association of International Educators-NAFSA-AIE and is authorized under federal law to enroll non-immigrant alien students. A pre-orientation program for international students is held prior to the general orientation program as well as a special re-entry program for students returning home after their studies at Guilford.

## **CULTURAL OPPORTUNITIES**

**Union.** Union Programming Board is a student organization that sponsors campus social, recreational and cultural programs. Union committees plan recreation, films, concerts, dances and coffeehouses. Union's purpose is to encourage self-direction and self-realization in leisure activities. Homecoming in the fall and Serendipity in the spring are major weekends that Union helps to coordinate.

**Arts Programs and Lectures.** Each year Guilford provides selected programs in music, the performing arts and public affairs for students, faculty and staff. The college also continues established lecture series, such as the annual Algie I. and Eva M. Newlin history lectures, the Sheridan Simon lecture and special lectures sponsored by various departments.

**ArtsETC.** Guilford presents a blend of performances that highlight the arts in an unusual way. Over the years, celebrating the arts at Guilford has evolved into active participation of the community with the performers. In furthering this tradition, the college combines the world of performance with the curriculum in the series ArtsETC. Students, faculty and staff discuss the various aspects of the artistic world through "Informances," special workshops, lectures and meetings with the artist-in-residence. These programs often precede scheduled performances.

## FOUNDERS HALL

Rebuilt on the site of the original building of New Garden Boarding School, Founders Hall provides office space for many student service departments and student organizations. Its facilities include the college cafeteria, meeting rooms, lounges, an art gallery, a recreation room, the mailroom, a snack shop, the college bookstore and a student-operated radio station.

Sternberger Auditorium, adjacent to Founders Hall, provides seating for approximately 250 people as well as space for dances and other events. Housed in the basement is the Department of Theatre Studies, including faculty offices, box office, costume shop, dressing rooms and a rehearsal hall. Sternberger Auditorium is complemented by the larger Dana Auditorium as a location for a wide variety of performing arts presentations.

## CAMPUS ORGANIZATIONS

**The Performing Arts. The Revelers.** Guilford's extracurricular arts group, supports theatre and other art forms produced entirely by students. Activities include theatrical productions of all kinds, art festivals, trips to arts events and seminars with visiting artists. Projects are chosen on the basis of proposals made to the organization's officers. Membership is open to all Guilford students.

The **Guilford College Choir** performs numerous concerts each season both on and off campus in addition to major concerts at Christmas and during the spring. Membership in the choir is open to

all students by audition. Choir scholarships are available to students meeting specific criteria.

Students interested in broadcasting maintain and operate radio station **WQFS-FM (90.9)**, licensed to Guilford by the Federal Communications Commission. Annually recognized as one of the country's best student-run college radio stations, the programming of WQFS-FM includes music, news, lectures and a variety of offerings providing an educational service to the people of Guilford and the surrounding area.

**The African American Cultural Society (AACS).** Previously Brothers and Sisters in Blackness (BASIB), AACS was organized by the Guilford African American student community to foster unity among African American students while encouraging full participation in the academic, social and policy-making processes of the college community. AACS is open to all members of the Guilford community as it strives to sponsor projects and cultural activities that foster greater awareness of the African American experience in the United States and abroad.

**The International Relations Club (IRC).** The International Relations Club provides an opportunity for students of various nationalities to interact and exchange ideas. Speakers, outings and special programs such as the international fair and international dinner offer a broader understanding of other cultures and world issues. In addition, the club attempts to aid international students in their adjustment to the United States and Guilford. IRC is open to all students.

### **Other Special Interest Groups.**

There are approximately 60 other special interest groups on campus including Amnesty International, Guilford Pride, Hillel, The Native American Club, Quaker Concerns, Forevergreen, Women's Awareness and the Websterian Pre-Law Society. Information about these and other student groups is available from the Office of Student Activities and Events Planning in Founders Hall.

### **Departmental Clubs**

Majors and other interested students in various departments such as biology, foreign languages, geology, history, physics, psychology, sociology/anthropology, and sport studies have organized clubs for discussion of issues relevant to learning in their fields. Beta Beta Beta Biological Society endeavors to cultivate an interest in the life sciences and recognizes academic achievements in biology.

## **STUDENT PUBLICATIONS**

"The Guilfordian," a newspaper printed for and by students, serves as a forum for student and faculty opinion through its editorials, columns, and letters to the editor. Each issue covers campus news events and provides publicity for various activities and cultural programs. The student staff, working with a faculty adviser, gains practical journalism experience in writing, editing, layout and publishing.

"The Quaker," the college yearbook, is compiled by students and published annually. As a pictorial and literary representation of Guilford, "The Quaker"

attempts to interpret and evaluate graphically campus activities and aspirations.

"The Lighthouse," published by a student staff, features original poetry, prose and graphics contributed by students and faculty. Its purpose is to promote creative writing, develop artistic talents and provide opportunities for critical dialogue in the arts.

## **OTHER PUBLICATIONS**

"The Journal of Undergraduate Research in Physics," a publication of the American Institute of Physics, disseminates distinguished undergraduate student physics and physics-related research throughout the world. It is produced by the Department of Physics at Guilford, with Rexford E. Adelberger, professor of physics, as national editor.

"The Southern Friend: Journal of the North Carolina Friends Historical Society" is a semiannual periodical sponsored by the only Friends Historical Society in the Southeast. Edited by Carole M. Treadway, librarian of the Friends Historical Collection, the publication carries scholarly articles on various aspects of the history of the Religious Society of Friends.

## **RELIGIOUS LIFE**

Guilford at first might appear to be a secular institution. No chapel dominates the campus; no religious symbols adorn the buildings and rooms; no religious services or courses are required. Upon closer scrutiny, however, one quickly learns that even the absence of overtly religious

symbols is part of the college's Quaker heritage. Friends seek to encourage an inward experience of religion within a community of respect for spiritual receptivity.

The Religious Society of Friends (Quakers) originated in a radical 17<sup>th</sup>-century Christian movement that sought to turn from an experience of God based on external authority to an inward experience of the Divine with the power to transform lives and society. Guilford remains committed to the importance of inward spiritual development. The college sustains Quaker principles of community service, respect for individual integrity, global understanding, moral decision-making and the fostering of equality, peace, simplicity and justice. Governance of the college is by the Friends' tradition of seeking a "sense of the meeting."

Consistent with Quaker faith and practice, Guilford seeks to enable students to harmonize their lives with their own religious tradition or to explore other forms of spirituality. Guilford dedicates itself to recognizing the universality of divine guidance and to fostering an awareness of the many ways in which spirituality is developed. The campus welcomes communities of many faiths.

The Office of Campus Ministry, located in the Hut, in cooperation with a student organization, the Guilford Council of Religious Organizations (GCRO), facilitates campus religious life through regular worship opportunities, small-group discussions, forums, speakers, service projects and an annual Religious Emphasis Week. Max Carter, director of Friends Center and campus ministry, and Deborah Shaw, associate in Friends Center and campus ministry, are available to all in

the college community for conversation and counsel.

Active student organizations include the Guilford Catholic Community, Unitarian-Universalist Students, Hillel, InterVarsity Christian Fellowship, Fellowship of Christian Athletes, Quaker Concerns, Episcopal Fellowship and New Generation Ministries. Quaker worship occurs daily and Catholic mass, Episcopal Eucharist and College Meeting for Worship are held weekly on campus. Many students become active in the more than 400 churches, meetings, temples, mosques, synagogues and other congregations in the Greensboro area. New Garden Friends Meeting, First Friends Meeting and Friendship Friends Meeting, located near the college, welcome students of all faiths.

## COMMUNITY INVOLVEMENT

Guilford recognizes the educational value of participation in the larger world of which the campus is a part. The college encourages students to use Greensboro and the surrounding community as an adjunct to the classroom. More than 300 students make a weekly commitment each semester in the wider community through internships, field work linked to an academic class or volunteer service.

Project Community, a student-run community service office, promotes a campus-wide ethic of service by sponsoring special service events on and off campus and by connecting students with opportunities in non-profit and community organizations. More than 50 agencies attend the Volunteer Fair held each fall to recruit Guilford volunteers to their programs.

Guilford students have made an ongoing commitment at ten sites where they volunteer on a weekly basis, with transportation provided. Each of these ongoing commitments operates with a student project coordinator, who works with the volunteer training coordinator to recruit, train and support Guilford students volunteers. Ongoing commitments include: Pathways Shelter for homeless families; Prison Literacy at a minimum security prison; English as a Second Language tutoring with refugees at the Montagnard Dega Association and the Greensboro Buddhist Center; a.i.d.s. (acquiring information, destroying stereotypes) about AIDS; Environmental Outreach at High Point Environmental Center, HOME (repairs for low-income home owners); and Shelter Outreach working with adults who are homeless.

Some students gain practical experience by working with local political parties and political action groups. Other campus organizations, such as the African American Cultural Society and Forevergreen, an environmental organization, also pursue their special interests in the community at large.

## **ATHLETICS AND RECREATION**

Guilford considers physical activity, growth and the well-being of the individual student to be important components of the educational mission. The college values participation, sportsmanship, quality competition, skill advancement, achievement and striving for excellence. The coaches take personal interest in every player on their teams and strive to create positive experiences for all team members.

Student-athletes are amateurs and receive financial aid based only on need and academic excellence. Guilford and the Department of Athletics share the philosophy of the NCAA Division III.

### **NCAA Division III Philosophy Statement**

Colleges and universities in Division III place highest priority on the overall quality of the educational experience and on the successful completion of all students' academic programs. They seek to establish and maintain an environment in which a student-athlete's athletics activities are conducted as an integral part of the student-athlete's educational experience. They also seek to establish and maintain an environment that values cultural diversity and gender equity among their student-athletes and athletics staff. To achieve this end, Division III institutions:

- Place special importance on the impact of athletics on the participants rather than on the spectators and place greater emphasis on the internal constituency (students, alumni, institutional personnel) than on the general public and its entertainment needs.
- Award no athletically related financial aid to any student.
- Encourage the development of sportsmanship and positive societal attitudes in all constituents, including student-athletes, coaches, administrative personnel and spectators.
- Encourage participation by maximizing the number and variety of athletics opportunities for their students.
- Assure that the actions of coaches and administrators exhibit fairness, openness and honesty in their relationships with student-athletes.

- Assure that athletics participants are not treated differently from other members of the student body.
- Assure that athletics programs support the institution's educational mission by financing, staffing and controlling the programs through the same general procedures as other departments of the institution.
- Provide equitable athletics opportunities for males and females and give equal emphasis to men's and women's sports.
- Support ethnic and gender diversity for all constituents.
- Give primary emphasis to regional in-season competition and conference championships.
- Support student-athletes in their efforts to reach high levels of athletics performance, which may include opportunities for participation in national championships, by providing all teams with adequate facilities, competent coaching and appropriate competitive opportunities.

The purpose of the NCAA is to assist its members in developing the basis for consistent, equitable competition while minimizing infringement on the freedom of individual institutions to determine their own special objectives and programs. The above statement articulates principles that represent a commitment to Division III membership and shall serve as a guide for the preparation of legislation by the division and for planning and implementation of programs by institutions and conferences.

— *2001-02 NCAA Manual*

Guilford sponsors 12 intercollegiate teams. Men may participate in baseball, basketball, football, golf, lacrosse and soccer. Women may participate in basketball, lacrosse, soccer, softball, tennis and volleyball.

The following teams have participated in national tournaments: baseball, men's basketball, women's basketball, golf, volleyball and men's and women's tennis. The men's basketball team and women's tennis team were national champions in 1973 and 1981, respectively. The golf team won the national championship in 2002 and 1989.

Guilford College is a member of the Old Dominion Athletic Conference. Since joining the ODAC in 1991, the Quakers have won 14 conference championships.

Students who are interested in other sports or in a less demanding time commitment may choose to participate in one of the Guilford club sports programs. The Office of Student Activities, located on the first floor of Founders Hall, manages these activities. Men's rugby, women's rugby, track and ultimate Frisbee are the club sports currently offered. Anyone interested in another athletic activity, however, is invited to initiate a new club sport by working with the Office of Student Activities.

## **FAMILY ASSOCIATION**

All parents are members of the Guilford College Family Association, which was formed in 1984. The association initiates programs related to Guilford families and assists in fund-raising and student recruitment. The association provides a direct channel of communication among parents, college faculty and staff via the “Guilford College Magazine.” The Family Leadership Council assumes the leadership role of the Family Association. Parents, grandparents and other family members are invited to visit their students for the fall Family Weekend, which includes seminars, cultural and sporting events and the association’s annual meeting.

## **MOTOR VEHICLES**

A student at Guilford may operate a motor vehicle on campus provided it is properly registered and parked in designated parking areas. Students who operate motor vehicles are required to pay a motor vehicle registration fee and comply with North Carolina state motor vehicle insurance requirements. Temporary and visitors’ parking permits may be obtained free of charge at the Department of Public Safety for vehicles operated by guests and visitors to the campus. All persons are expected to exercise care and consideration for the safety of themselves and others and to observe state, local and campus traffic regulations. Details of traffic and parking regulations are included in the “Student Handbook.”



# Awards

Campus leadership at Guilford is recognized in various ways and is a factor in the awarding of scholarships and other honors.

## ACADEMIC SCHOLARSHIPS

### Charles A. Dana Scholarships

Dana Scholarships are awarded to rising junior and senior students on the basis of character, scholarship and leadership. The amount of each award is based on need and may provide up to half tuition. To apply for a Dana Scholarship, a student must have completed two full academic years or its equivalent at Guilford, have a cumulative 3.25 grade-point average and be recommended by students, faculty, administrative staff or employers. Selection is made by a faculty committee that considers a student's academic excellence, leadership and contribution to campus or community life. Dana Scholars who continue to meet these criteria may reapply for the award.

### George I. Alden Excellence Scholarship

This scholarship was established by the George I. Alden Trust of Worcester, Mass. It provides an annual award of \$2,500 to a rising junior who has been enrolled at Guilford for at least one year. Selection is based on outstanding character, intellect and scholarship.

### Lawrence T. Hoyle Pre-law Scholarship

This scholarship was established by the S. LaRose Corporation to honor Lawrence T. Hoyle, an attorney in its employ. The scholarship carries a value of \$500 and is awarded to a rising senior who is planning to attend law school. Candidates are expected to have a minimum grade-point average of 3.25, to demonstrate proficiency in written and spoken English and to be of high character. Selection is by the Student Aid and Awards Committee.

**See Chapter 11 for scholarships available to incoming first-year students.**

## SCHOLASTIC HONORS

### Dean's List

The Dean's List, published at the end of each semester, consists of the names of students who carried at least eight credits of academic work in the previous semester and earned a 3.50 grade-point average.

### Student College Marshals

At the regular faculty meeting in February, the faculty elects 12 members of the sophomore class to serve as college marshals. All members of the class with a 3.00 grade-point average are eligible. The marshals serve at commencement and

public functions for the following two years. The student receiving the highest number of votes is designated chief marshal.

### **Guilford College Scholarship Society**

The Guilford College Scholarship Society was organized in 1937, the centennial year of the college, to encourage and recognize high academic achievement. Students with cumulative grade-point averages of 3.50 are eligible for election upon passing 60 credits of academic work at Guilford.

### **Other College Academic Awards**

These include the **Eugene S. Hire Award**, which is given to an outstanding upperclassman who exhibits a willingness to help others in their learning efforts, the **E. Garness Purdom Scholarship Award** and the **Clyde A. Milner Academic Excellence Award**.

### **Who's Who in American Universities and Colleges**

Based on nominations, seniors excelling at leadership and scholarship are named to this national list of high-achieving students.

### **Graduating Honors**

Honors are awarded to graduating seniors who have attained a grade-point average of 3.50. High Honors are awarded to seniors who have attained an average of 3.70.

## **EXTRACURRICULAR AWARDS**

### **Board of Visitors Senior Excellence Award**

Recognizes an outstanding senior based on campus-wide nominations.

### **David Caldwell Log College Award**

A \$2,000 cash prize awarded to a rising senior whose work has focused on the field of religion and history. Administered by the Community Foundation of Greater Greensboro.

### **Zvi Cohen Memorial Environmental Award**

Presented to a student who has shown a deep concern for the environment and a strong commitment to environmental action.

### **Dick Dyer Memorial Awards**

Given for outstanding, behind-the-scenes contributions to the Guilford community.

### **Nereus C. English Athletic Leadership Awards**

Made to superior athletes who have shown leadership in athletics and other aspects of campus life.

### **Judith Weller Harvey Award in Campus Ministry**

Given to a graduating senior who has been involved significantly in campus religious life and has promoted inter-religious respect and understanding.

### **Charles C. Hendricks Scholarship**

Presented to a rising senior who has exhibited noteworthy character and achievement while at Guilford.

### **Algie I. & Eva M. Newlin Social Concerns Award**

Given to a graduating senior who has contributed significantly in areas of peace, justice and social concerns.

### **Eric Reid Leadership Award**

Acknowledges the contribution of a student leader who significantly enhances campus life.

### **Hazel Steinfeldt / American Friends Service Committee Scholarship**

The Hazel Steinfeldt / American Friends Service Committee Scholarship supports students at Guilford who have demonstrated a commitment to work for peace and social justice, both at Guilford and in the larger world. The scholarship is awarded to one or more rising juniors each year, with the expectation that the scholarship will be renewed for a student's senior year. The scholarship is awarded and supervised by the Peace and Conflict Studies Committee and the scholarship recipients work with the committee during the period of the award. The scholarship is up to \$4,000 a year, depending on the student's financial aid package. For further information about the scholarship, contact Vernie Davis, director of peace and conflict studies.

### **Ezra F. Weis Memorial Award for Leadership in Choir**

Presented annually to a graduating senior choir member for exemplary commitment and leadership.

## **OTHER CAMPUS AWARDS**

**Dean's Award for First-Year Writing.** Presented to recognize superior writing by a first-year student.

**Dean's Award for Narrative/ Reflective Writing.** Presented to recognize superior narrative or reflective writing by a student beyond the first year.

**Dean's Award for Scholarly/ Critical Writing.** Presented to recognize superior scholarly or critical writing outside of the sciences by a student beyond the first year.

**Dean's Awards for Writing in the Sciences.** Presented to recognize superior writing in the natural and physical sciences by students beyond the first year.

**Betty Place Prize in Poetry.** Awarded annually to the poem that best demonstrates, with passion and precision, a control of the poetic art.

**Dubba Hughes Lucas Award.** Given annually to the "Guilfordian" staff member who makes the best writing contribution that school year.

**Outstanding Tutor Award.** Presented by the Academic Skills Center to recognize tutors who have contributed in the most positive, responsible and creative ways.

**Glaxo Wellcome Women in Science Scholarship.** Presented to recognize outstanding scholarship, to provide an incentive for women science students to enter the science profession

and to provide all science students and majors with a woman science mentor at GlaxoSmithKline Inc.

**Accounting: Outstanding Student Award.** Presented by the department to recognize superior performance by senior accounting students.

**Art: James S. Laing Art Award.** Presented by the department to sophomores and juniors continuing their studies at Guilford who have shown excellent capabilities in the field of art.

**Biology: Eva Galbreath Campbell Scholarship.** Awarded to biology majors on the basis of scholarship and aptitude for a career in biology.

**Biology: Nancy Pringle Jones Scholarship.** To assist a student who has demonstrated excellence in biology and a special aptitude for the study of medicine.

**Biology: Outstanding Senior in Biology.** Presented by the department to recognize superior performance by a senior biology major.

**Chemistry: American Institute of Chemists Senior Award.** Presented by the department to honor an outstanding senior chemistry major for superior ability and academic achievement.

**Chemistry: Chemical Rubber Company (CRC) Freshman Chemistry Award.** Presented by the department for outstanding work in chemistry by a first-year student.

**Chemistry: Harvey Ljung Scholarship.** Presented to chemistry majors for scholarship and service to the

department and college, in memory of Harvey Ljung.

**English: Leona Sherrill O'Callaghan Award.** Presented to a rising senior who is an outstanding English major.

**French: Outstanding Senior in French.** Presented to a senior in recognition of excellence in French language, literature and culture.

**Geology: Gem and Mineral Club Scholarship.** Donated each year by their membership to recognize scholarship and promise of professional achievement in the earth sciences. Awarded to a rising junior and rising senior each year. A third award is given to support an outstanding geology student in summer field study.

**German: Outstanding Advanced German Award.** Presented by the department for academic achievement in the study of the German language, culture and literature and for significant contribution to the German program.

**German: Outstanding Student of Intermediate German Award.** Presented by the department for excellence in all levels of language proficiency at the intermediate level.

**History: Newlin Senior History Award.** Presented to outstanding history majors, actively engaged in campus life, who have demonstrated scholastic excellence, conscientious performance and potential contribution to the field of history.

**History: Algie Newlin Scholarship.**

Presented to a rising senior who demonstrates high academic achievement in history and potential for future contribution in the field of history.

**History: Thomas Thompson**

**Scholarship.** Established in the early 1970s as a memorial to a history student who died before graduating and presented to students who demonstrate high academic achievement and who evince promise for scholarly excellence in history.

**History: Freshman Book Award.**

Given to a first-year student who demonstrates outstanding potential in the field of history.

**Justice and Policy Studies:**

**Outstanding Senior in JPS.** Presented by the department to a graduating JPS senior with the highest academic achievement.

**Justice and Policy Studies:**

**Outstanding Achievement for Continuing Education Student in JPS.** Presented by the department to recognize superior academic achievement among Center for Continuing Education students.

**Justice and Policy Studies:**

**Community Service Award.** Presented by the department in recognition of dedication and service to the community.

**Management: Fred I. Courtney**

**Management Award.** A competitive cash award given to selected management majors who have completed four management courses with a minimum

GPA of 3.25. To date, individual students have received certified checks as large as \$4,000.

**Mathematics: The Pancoast**

**Mathematics Award.** Given in memory of former mathematics professor J. Wilmer Pancoast to students who show exceptional promise in mathematics.

**Music: The Mary Ellen Cathey**

**Award.** Given to a music student with outstanding academic standing and demonstrated financial need.

**Music: The Maxine Kirch Ijung**

**Award.** Presented to an outstanding music major.

**Philosophy: C. Thomas Powell**

**Award.** Presented by the department to recognize excellence in the field of philosophy.

**Physical Education: Outstanding**

**Physical Education Major.** Presented by the department to recognize academic achievement, contribution to campus life, contribution to the Department of Sports Studies and professional promise in sports management.

**Physics Department: Helen and**

**Winslow Womack Research**

**Awards and Jeglinski Family**

**Research Awards.** Presented to support undergraduate research in physics-related fields. These competitive awards, administered by the Department of Physics, can include support for the purchase of equipment and supplies, travel to professional meetings to report on the research and a stipend.

**Psychology: Outstanding Senior in Psychology.** Presented to a senior psychology major in recognition of outstanding academic achievement in the field.

**Religious Studies: Frederic and Margaret Crownfield Prize.** Awarded annually to the student writing the best paper in religious studies.

**Sociology/Anthropology: Andrew W. Gottschall, Jr. Senior Excellence Award.** Presented by the department for academic achievement in sociology/anthropology and significant service to the department. Awarded in memory of Andrew Gottschall, who was a much-loved member of the department from 1965 until his death in 1979.

**Sports Management: Outstanding Sports Management Major.** Awarded to recognize academic achievement, contribution to campus life, contribution to the Department of Sports Studies and professional promise in sports management.

**Sports Medicine: Outstanding Sports Medicine Major.** Awarded to recognize academic achievement, contribution to campus life, contribution to the Department of Sports Studies and professional promise in sports medicine.

**Spanish: Miguel De Cervantes Award.** Presented to seniors who have persistently undertaken to attain a high level of achievement in their studies of Spanish and in their development as young scholars.

# Personnel

## BOARD OF TRUSTEES

- Bruce B. Stewart '61, chair,  
Washington, D.C.
- Dalton L. McMichael, Jr., vice chair,  
Madison, N.C.
- Charlotte M. Roberts, vice chair,  
Sherrills Ford, N.C.
- Eldora H. Terrell '49, secretary,  
High Point, N.C.
- Edward J. Bauman, treasurer,  
Greensboro, N.C.
- Asia A. Bennett, Snohomish, Wash.
- Walter P. Blass, Warren, N.J.
- Robert J. Brown, High Point, N.C.
- Joseph M. Bryan, Jr. '60, Greensboro, N.C.
- William H. Burchette, '68, Alexandria, Va.
- M. L. Carr '73, Woburn, Mass.
- Kathleen M. Coe, Greensboro, N.C.
- D. Victor Cochran III '71,  
Greensboro, N.C.
- David A. Edgerton '62, Greensboro, N.C.
- Victor I. Flow, Jr., '52,  
Winston-Salem, N.C.
- James T. Forsythe, New Orleans, La.
- Stanley Frank, Greensboro, N.C.
- W. Groome Fulton, Jr. '60,  
High Point, N.C.
- Ellen P. Hamrick '78, Richmond, Va.
- H. Curt Hege, Sr. '56, Winston-Salem, N.C.
- Howard T. Hinshaw '60, Charlotte, N.C.
- Mark J. Hulbert, Annandale, Va.
- Alan R. Hunt, Chincoteague, Va.
- Robert A. Ingram, Durham, N.C.
- Warren C. Nichols '59, Mt. Airy, N.C.
- William G. Ragsdale, III '66,

- Jamestown, N.C.
- Jennifer Carol Schaal, Greensboro, N.C.
- William R. Soles, Jr., '81, Greensboro, N.C.
- Martha W. Summerville '76,  
New Haven, Conn.

## Emeriti

- J. Wilbert Edgerton '40, Greensboro, N.C.
- William B. Edgerton '34,  
Bloomington, Ind.
- Mary M. Evans, Greensboro, N.C.
- Marietta M. Forlaw, Greensboro, N.C.
- Howard H. Haworth '57, Charlotte, N.C.
- Seth C. Macon '40, Greensboro, N.C.
- David R. Parker, Jr. '41, Wilmington, N.C.
- Elizabeth Gilliam Parker '37,  
Woodland, N.C.
- Dewey L. Trogdon, Jr. '58,  
Greensboro, N.C.
- Louise B. Wilson '43, Virginia Beach, Va.

## BOARD OF VISITORS

The Board of Visitors at Guilford is a group interested in and informed about the programs at Guilford. Members serve as informal advisers, as goodwill ambassadors and as sponsors of special educational programs that bring together community, business and educational leaders.

## **Membership**

Howard B. Arbuckle, III, Greensboro, N.C.  
John L. Bakane, Greensboro, N.C.  
Ted Barnett, Greensboro, N.C.  
Betty Barry, Greensboro, N.C.  
Tom Berry, Greensboro, N.C.  
William H. Black III, Greensboro, N.C.  
Anthony G. Blake, Jr., Greensboro, N.C.  
Arthur Bluethenthal, Greensboro, N.C.  
Joseph M. Brower, Greensboro, N.C.  
Gary N. Brown, Colfax, N.C.  
Carole W. Bruce, Greensboro, N.C.  
Jay Bumm, Oak Ridge, N.C.  
William David Carter, Greensboro, N.C.  
Griselda Clark, Greensboro, N.C.  
D. Hayes Clement, Greensboro, N.C.  
Douglas D. Cline, Greensboro, N.C.  
Varo C. Duffins, Greensboro, N.C.  
Joseph D. Floyd, Sr., High Point, N.C.  
Barry Spencer Frank, Greensboro, N.C.  
Hughlene Frank, Greensboro, N.C.  
William A. Frank, Greensboro, N.C.  
Shirley Frye, Greensboro, N.C.  
Richard A. Grubar, Greensboro, N.C.  
David B. Hagan, Greensboro, N.C.  
William B. Halstead, Greensboro, N.C.  
William A. Horney, Jr., High Point, N.C.  
George W. House, Greensboro, N.C.  
John C. Ingram, Greensboro, N.C.  
Robert C. Ketner, Greensboro, N.C.  
Charles B. Leonard, Marietta, Ga.  
Albert S. Lineberry, Jr., Greensboro, N.C.  
Daniel D. Mosca, Browns Summit, N.C.  
Donna Daniels Newton, Greensboro, N.C.  
M. Lynn Odom, Columbia, S.C.  
Carole Elaine Perkins, Greensboro, N.C.  
Coolidge A. Porterfield, Jr.,  
Greensboro, N.C.  
Dennis Quaintance, Greensboro, N.C.  
Mrs. William G. Ragsdale,  
Jamestown, N.C.  
Ann Raper, Summerfield, N.C.  
Norman A. Ross, Chicago, Ill.  
Norman G. Samet, Greensboro, N.C.  
Sylvia Samet, Greensboro, N.C.

Catherine Schlosser, Greensboro, N.C.  
Kathryn Siler, Greensboro, N.C.  
MacArthur Sims, Greensboro, N.C.  
Lunsford R. Smith, Bell Buckle, Tenn.  
M. Janette Soles, Raleigh, N.C.  
Meg Sternberg, Greensboro, N.C.  
Gary F. Taft, Greensboro, N.C.  
Stanley K. Tanger, Greensboro, N.C.  
Sigmund I. Tannenbaum,  
Greensboro, N.C.  
Thomas E. Terrell, Jr., High Point, N.C.  
Dwight Clifford Thomas, Sr.,  
Greensboro, N.C.  
R. Penn Truitt, Summerfield, N.C.  
B. J. Weatherby, Greensboro, N.C.  
Dale Roy Whitfield, Greensboro, N.C.

## **ADMINISTRATIVE STAFF**

### **Academic Dean, Office of the (316-2181)**

Adrienne M. Israel, interim vice president  
and academic dean  
James Hood, associate dean  
Judy Harvey, director of multicultural  
education  
Jan Prillaman, assistant to the vice president  
and academic dean

### **Academic Skills Center (316-2200)**

Sue W. Keith, director  
Kim Sellick, alternative learning specialist  
M. Douglas Smith, professional tutor

### **Administrative Networks and Systems (316-2112) (See Office of IT&S)**

### **Admission**

(See Office of Enrollment)

**African American Affairs,  
Office of (316-2452)**

Santes Beatty, director

**Art Gallery (316-2438)**

Theresa N. Hammond, director and curator  
of the Guilford College Art Gallery

**Athletics, Office of (316-2190)**

Marion Kirby, athletic director  
Michael R. Ketchum, head football coach  
David K. Walters, sports information  
director, assistant athletic director  
Mary G. Broos, athletic trainer  
Gene O. Baker, Jr., head baseball coach  
Barbara Bausch, head women's basketball  
coach  
Liam Behrens, Head Men's Soccer Coach  
Eric Lewis, Head Women's Soccer  
Coach  
George C. Estes, head men's basketball  
coach  
John E. Jensen, head golf coach  
Jenn Wolos, head women's tennis coach  
Charles R. McCracken, head volleyball coach  
Robert Andrew Mercer, head men's  
lacrosse coach  
Tara Caminiti Raggett, head women's  
lacrosse coach  
Brian Judski, assistant men's basketball  
coach  
George Dobias, assistant football coach  
Corey Phillips, assistant football coach  
Garrick Vogt, assistant football coach

**Building Services (316-2905)**

Mary Minor, manager  
Charles Taylor, assistant director

**Business Office (316-2176)**

Curtis A. Bradbrook, director of  
accounting  
Paulette Esdaille, director of student  
accounts  
Cathy Oliver, accountant

**Campus Life, Office of (316-2186)**

Anne Lundquist, dean for campus life  
Jodi Gill, assistant dean for campus life  
James Minton, assistant dean for  
campus life  
Joseph Vereen, assistant dean for  
campus life  
Cynthia A. Briggs, director for gender  
issues and retention  
Ernest A. McCoy, director of counseling  
services  
Leslie Moss, director of student activities  
and event planning, associate director of  
the first year program  
Paula A. Swonguer, international student  
adviser, international student admission  
Shelley J. Crisp, director of the first year  
program

**Career Development, Internships  
and Community Learning, Office of  
(316-2187)**

Irene Harrington, director  
James Shields, director of community  
learning  
Olive Jenkins, coordinator of student  
employment services  
Claire Dixon, bonner scholars coordinator  
Wanda Williams, volunteer training  
coordinator

**Center for Continuing Education  
(316-2179)**

William E. Stevens, dean  
Karen A. McCormack, associate director  
Martha C. Holt, associate director  
Beth Parks, business and industry liaison  
officer  
Angela Constantino, assistant director  
Karen Warlitner, program coordinator,  
Professional Development and Training  
Center  
Heather Seminara, office manager  
Martha Summers, adult records technician  
Carol Morgan, office assistant

**Center for Personal Growth  
(316-2184)**

Lucy P. Barden, director  
Ernest A. McCoy, director of counseling services  
Anita Masterson, student health nurse

**Chief Financial Officer, Office of the (316-2131)**

Philip R. Manz, vice president and chief financial officer  
Jim Vroom, associate chief financial officer and transition consultant  
vacant, senior accountant

**College Relations, Office of (316-2335)**

Ty Buckner, director  
Elizabeth Corle, marketing and special events coordinator  
Kathy Carr, design and editorial associate

**Correspondence Center  
(316-2268)**

M. Gertrude Beal, coordinator

**Enrollment, Office of (316-2100)**

Bruce R. Doss, vice president for enrollment and campus life  
Anthony E. Gurley, associate dean of enrollment  
Dianne H. Harrison, director of financial aid  
Paul Coscia, assistant director of financial aid  
Susan Bagley, associate director of admission  
Holly N. Canada, assistant director of admission  
DeAngela “Angie” Carter, assistant director of admission  
Thayle N. Jackson, assistant director of admission

Nancy Riemer, assistant director of admission  
Jeffrey Thigpen, assistant director of admission  
Sandra Pearman, director of enrollment information  
Emily Bebbler, coordinator of visitor services  
Dianna LeBaube, financial aid secretary  
Jeri Herscher, data systems operator  
Vacant, data systems operator  
Vanessa Reese, financial aid counselor

**Facilities Services  
(316-2901)**

John Jenkins, associate chief financial officer for facilities  
Kizzy Elliott, assistant to the associate chief financial officer for facilities  
Mark Miller, director of maintenance and small projects  
David Petree, manager, landscaping and grounds

**Faculty Development (316-2180)**

**Financial Aid, Office of  
(Student Financial Assistance and Planning)**

(See Office of Enrollment)

**Friends Center/Campus Ministry  
(316-2326)**

Max L. Carter, director of friends center and campus ministry coordinator  
Deborah Shaw, worship and nurture coordinator  
Sara Beth Terrell, director, Guilford initiative on faith

**Honors Program (316-2282)**

Robert B. (Bob) Williams, director

**Human Resources, Office of  
(316-2138)**

Frederick R. Devine, director  
Lori Edwards, records and payroll manager  
Keisha Chapman, human resources  
generalist

**Information Technology and  
Services (316-2139)**

Leah Kraus, director  
Jeffrey Sellick, associate director  
Teresa L. Sanford, associate director  
Geoffrey Leister, assistant director,  
user services  
Melvin McLaughlin, network/  
telecommunications technician  
David Mingia, information technology  
specialist  
Brian Turgeon, Webmaster  
Charles F. White, director of information  
services  
Joan Griffith, database administrator  
Pam Larkins, program coordinator

**Institutional Advancement,  
Office of (316-2166)**

Charles W. Patterson III, vice president  
Libby Rich, assistant to the vice president  
of institutional advancement  
Jerry Harrelson, director of alumni and  
family relations  
Susan Clem, assistant director of alumni  
and family relations  
Vacant, director of planned giving  
Leslie Daisy, director of corporate and  
foundation relations  
Kimberly Williamson, director of  
development  
Cindy Reed, assistant director of  
development  
Michael Strader, director of Guilford  
Fund  
June Chambliss, director of development  
information

**Institutional Research, Office of  
(316-2238)**

Robert M. Whitnell, director

**Hege Library (316-2450)**

Mary Ellen Chijioko, director  
Evelyn V. Blount, head information  
reference librarian  
Carol Cothem, library associate for  
acquisitions  
Diana E. Engel, reference librarian  
Katherine Y. Hood, library associate for  
serials/binding  
Charlotte Y. Dvitci, head of circulation  
services  
Gwendolyn Gosney Erickson, librarian of  
the Friends Historical Collection  
Ruth Richardson Scales, technical services  
librarian  
Ronny V. Wellborn, reference librarian

**Mailroom (316-2122)**

Brant Gallimore, manager

**Native American Program  
(316-2287)**

Vacant, director

**President, Office of the (316-2146)**

Kent John Chabotar, president  
Joyce Eaton, assistant to the president

**Purchasing (316-2349)**

Tracy Hall, director

**Registrar, Office of the (316-2132)**

Norma R. Middleton, registrar  
Tammy Martin, office manager

**Public Safety, Office of (316-2907)**

Vacant, director

## **Study Abroad Programs, Office of (316-2125)**

Martha H. Cooley, director  
Miriam N. Collins, assistant director

## **Summer School (316-2132)**

William F. Stevens, director

## **FACULTY**

(The date following the name indicates the year of appointment)

**KATHRYNN A. ADAMS** (1980), professor of psychology; B.S. 1973, M.A. 1976, Ph.D. 1977, University of Alabama

**REXFORD E. ADELBERGER** (1973), professor of physics; B.S. 1961, College of William and Mary; Ph.D. 1967, University of Rochester

**CHARLES C. ALMY, JR.** (1972), professor of geology; B.S. 1957, University of Houston; M.A. 1960, Ph.D. 1965, Rice University

**MARIA LUISA AMADO** (2002), assistant professor of sociology and anthropology; B.A. 1997, University of Santa Maria La Antigua; M.A. 1991, Ph.D. candidate, Emory University

**AMANDA BAILEY** (1999), assistant professor of English; B.A. 1988, Oberlin College; M.A. 1992, University of Michigan; Ph.D. 1998, University of Michigan

**DAVID L. BARNHILL** (1986), Dana professor of religious studies and intercultural studies; B.A. 1971, Stanford

University; M.A. 1976, University of Washington; Ph.D. 1986, Stanford University

**GEORGE H. BLACK** (1999), visiting lecturer in music; B.M.U.S. 1975, Mississippi State University; M.M. 1985, Southern Methodist University

**EVELYN V. BLOUNT** (1999), head reference librarian, with the rank of assistant librarian; B.S. 1980, Elizabeth City State University; M.L.S. 1985, North Carolina Central University

**PETER B. BOBKO** (1984), associate professor of management; B.S. 1962, U.S. Air Force Academy; M.B.E. 1972, Claremont College; D.B.A. 1983, Indiana University

**DOROTHY V. BOREI** (1979), professor of history and director of intercultural studies; B.A. 1964, Lycoming College; M.A. 1967, State University of New York at Binghamton; Ph.D. 1977, University of Pennsylvania

**MARGARET BORREGO** (1999), instructor of education studies; B.S. 1977, Lesley College; M.S. 1993, National-Louis University; Doctoral candidate, Columbia University

**ELEANOR D. BRANCH** (2000), assistant professor of English; B.A. 1981, Wesleyan University; M.A. 1982, University of Michigan; Ph.D. 1993, University of California at Berkeley

**MARY G. BROOS** (1979), instructor, sport studies; B.S. 1967, East Carolina University; M.S. 1983, A & T State University

**DEENA BURRIS** (2001), visiting instructor of management; B.A. 1989, University of North Carolina at Charlotte; M.A. 1995, University of Denver

**LUTRICIA B. CALLAIR** (1996), assistant professor of justice and policy studies; B.A. 1969, M.Ed. 1977, MSW 1989, USC Columbia

**KENT JOHN CHABOTAR** (2002) president and professor of political science; B.A. 1968, St. Francis University; M.P.A. 1969, Ph.D. 1973, Syracuse University

**MARY ELLEN CHIJOKE** (2000), library director, with the rank of associate librarian; B.A. 1967, Swarthmore College; M.A. 1968, C.Phil. 1970, University of California at Los Angeles; P.G. Dip. Lib. 1976, University of Ibadan; Adv. Cert. Lib. 1989, Columbia University

#### **NICOLETTE DEVILLE**

**CHRISTENSEN** (1993), visiting assistant professor of management; B.S. 1983, College of Saint Mary; M.B.A. 1988, University of North Texas

**LINDA COHEN** (2001), visiting assistant professor of management; B.A. 1976, Florida International University; M.S. 1996, NOVA Southeastern University

**MARTHA H. COOLEY** (1965), Dana professor of history; B.A. 1960, University of North Carolina at Greensboro; M.A. 1965, Russian Area Certificate 1965, Ph.D. 1971, Indiana University

**HEEA CROWFIELD** (2001), visiting assistant professor of art; B.A. 1994, Guilford College ; M.F.A. 1996, Clemson University

**NANCY DAUKAS** (1995), assistant professor of philosophy; B.A. 1980, Ph.D. 1991, University of California at Berkeley.

**VERNIE DAVIS** (1982), professor of sociology and anthropology; B.A. 1968, Kalamazoo College; M. A. 1972, Ph.D. 1978, Syracuse University

**CHARLOTTE Y. DIVITCI** (2000), head circulation librarian, with the rank of assistant librarian; B.Sc. 1961, Alabama College; M.L.I.S. 1994, University of North Carolina at Greensboro

**DAVID M. DOBSON** (1997), assistant professor of geology; B.A. 1991, Harvard University; M.S. 1994, Ph.D. 1997, University of Michigan

#### **STEPHANIE A. DROZDO-JONES**

(2002) assistant professor of Spanish; B.A. 1994, M.A. 1996 Miami University; Doctoral candidate, University of Kentucky

**CRAIG EILBACHER** (2001), visiting instructor, program director for athletic training; B.A. 1995, University of North Carolina at Wilmington; M.S. 1996, University of Akron

**ROBERT J. ELDERKIN** (1994), visiting assistant professor of theatre studies; B.F.A. 1987, DePaul University; M.F.A. 1992, University of Delaware

#### **GWENDOLYN GOSNEY ERICKSON**

(2000), librarian of friends historical collection and archivist, with the rank of assistant librarian; B.A. 1994, Earlham College; M.A. 1996, University of North Carolina at Greensboro; M.L.I.S. 1997, University of North Carolina at Greensboro

**THOMAS P. ESPINOLA** (1984), professor of physics; B.S. 1976, Ph.D. 1989, Michigan State University

**REBECCA B. GIBSON** (1989), associate professor of English; B.A. 1967, Converse College; Ph.D. 1977, University of North Carolina at Chapel Hill

**KENNETH E. GILMORE** (1998), assistant professor of political science; B.A. 1988, Ursinus College; Ph.D. 1997, Rutgers University

**ANNE G. GLENN** (1992), associate professor of chemistry; B.S. 1984, North Carolina State University; Ph.D. 1989, Texas A&M University

**G. RUDOLPH GORDH, JR.** (1974), professor of mathematics; A.B. 1966, Guilford College; Ph.D. 1971, University of California at Riverside

**H. GARLAND GRANGER III** (1983), associate professor of accounting; B.S. 1968, Atlantic Christian College; M.A. 1971, Appalachian State University; CPA, North Carolina; CIA

**WILLIAM A. GRUBBS** (1981), Sulon Bibb Stedman professor of accounting; B.A. 1963, East Carolina University; M.B.A. 1965, University of North Carolina at Chapel Hill; CPA, North Carolina

**GEORGE X. GUO** (2002), associate professor of political science; B.A. 1982, South China University of Technology; M.P.A. 1993, University of North Florida; Ph.D. 1999, University of Virginia

**EDWINS LABAN GWAKO** (1999), assistant professor of sociology and anthropology; B.A. 1987, M.A., 1992,

University of Nairobi, Kenya; M.A. 1995, Ph.D. 1998, Washington University

**SHELINI HARRIS** (2001), assistant professor of religious studies; B.A. 1990, Baylor University; M.A. 1995, Emory University; Ph.D. expected June 2001. Emory University

**CLAY E. HARSHAW** (1998), visiting instructor of sport studies; B.S. 1987, Newberry College; M.A. 1998, Appalachian State University

**DAVID P. HILDRETH** (2000), assistant professor of education studies; B.S. 1990, University of North Carolina at Chapel Hill; M.A.Ed. 1991, Eastern Carolina University; Ph.D. 1997, University of North Carolina at Greensboro

**HIROKO HIRAKOWA** (1997), instructor in foreign languages; B.A. 1982, M.A. 1988, Southeast Missouri State; M.S. 1991, Ph.D. 1998, Purdue University

**JAMES HOOD** (1999), associate professor of English; A.B. 1979, Guilford College; M.A.R. 1981, Yale University Divinity School; Ph.D. 1991, University of North Carolina at Chapel Hill

**ADRIENNE M. ISRAEL** (1982), professor of history and intercultural studies; B.A. 1968, M.A. 1973, Howard University; M.A. 1979, Ph.D. 1984, Johns Hopkins University

**JOHN E. JENSEN** (1965), head golf coach and assistant professor of sport studies; B.A. 1961, Wake Forest University; M.Ed. 1967, University of North Carolina at Greensboro

**JEFF JESKE** (1986), professor of English and director of writing; B.A. 1970, Cleveland State University; M.A. 1972, University of Toledo; Ph.D. 1978, Kent State University

**RAYMOND E. JOHNSON** (1990), associate professor of accounting; B.S. 1971, M.B.A. 1973, East Carolina University; CPA, North Carolina

**JERRY JOPLIN** (1999), visiting assistant professor of justice and policy studies; B.A. 1973, Central Washington University; M.S. 1976, Ph.D. 1986, Southern Illinois University

**BETTY T. KANE** (1993), assistant professor of management; B.A. 1972, Vanderbilt University; M.B.A. 1974, University of Tennessee; J.D. 1983, Vanderbilt University; Member of North Carolina State Bar

**TIMOTHY KIRCHER** (1989), associate professor of history; B.A. 1982, Yale College; M.A. 1984, Ph.D. 1989, Yale University

**DAVID J. LIMBURG** (1993), associate professor of german; B.A. 1984, Augustana College; M.A. 1987, Ph.D. 1992, Ohio State University

**TIMOTHY H. LINDEMAN** (1992), associate professor of music; B.A. 1971, M.M. 1978, Ph.D. 1988, Indiana University

**MELANIE L. MACDONALD** (2002), assistant professor of biology; B.S. 1993, North Carolina A & T University; Ph.D. 1998, North Carolina State University

**DAVID F. MACINNES, JR.** (1973), professor of chemistry; B.A. 1965,

Earlham College; M.A. 1969, Ph.D. 1972, Princeton University

**JONATHAN W. MALINO** (1976), professor of philosophy; B.A. 1966, Brandeis University; Ph.D. 1975, Columbia University; M.A.H.L. and Rabbinic Ordination 1979, Hebrew Union College/Jewish Institute of Religion

**SARAH S. MALINO** (1979), professor of history; B.A. 1967, Wellesley College; M.A. 1974, M.Phil. 1975, Ph.D. 1982, Columbia University

**MARLENE L. McCAULEY** (1986), professor of geology; B.A. 1979, University of California at San Diego; Ph.D. 1986, University of California at Los Angeles

**LISA J. McLEOD** (1999), assistant professor of philosophy; B.A. 1987, University of California at Santa Cruz; J.D. 1990, University of California at Los Angeles

**CLAIRE K. MORSE** (1976), professor of psychology; B.A. 1965, Oberlin College; Ph.D. 1968, Yale University

**LYNN J. MOSELEY** (1977), professor of biology; B.S. 1970, College of William and Mary; Ph.D. 1976, University of North Carolina at Chapel Hill

**ROY H. NYDORF** (1978), professor of art; B.A. 1974, State University of New York at Brockport; M.F.A. 1976, Yale University School of Art

**ELWOOD G. PARKER** (1968), professor of mathematics; B.S. 1964,

Guilford College; M.A. 1967, Ph.D. 1972, University of North Carolina at Chapel Hill

**BARTON A. PARKS** (1980), professor of justice and policy studies; B.A. 1960, Rice University; M.A. 1965, Ph.D. 1973, State University of New York at Buffalo

**WILLIAM C. PIZIO** (1999), visiting instructor of justice and policy studies; A.A. 1985, B.A. 1988, M.A. 1995, State University of New York at Albany

**AARON R. PREVOTS** (2002), assistant professor of French; B.A. 1991, M.A. 1993 American University; D.S.A. 1995, Université Stendhal; A.M. 1997, Ph.D. 2002, Brown University

**VANCE A. RICKS** (1998), assistant professor of philosophy; B.A. 1992, Guilford College; Doctoral candidate, Stanford University

**RUTH RICHARDSON SCALES** (2002), technical services librarian, with the rank of assistant librarian; B.A. 1993, University of New Mexico; M.L.I.S. 2001, University of North Carolina at Greensboro

**KATHRYN SCHMIDT** (2002), assistant professor of sociology and anthropology; B.A. 1992, Indiana University; M.A. 1995, Doctoral candidate, University of North Carolina at Chapel Hill

**STEVEN SHERMAN** (2001), visiting assistant professor of sociology and anthropology; B.A. 1986, Columbia University; M.S. 1993, Binghamton University; Ph.D. 1998, Binghamton University

**STEVEN S. SHAPIRO** (1995), assistant professor of physics; B.A. 1986, Colby

College; Ph.D. 1995, Massachusetts Institute of Technology

**CHARLES G. SMITH** (1983), professor of biology; B.A. 1968, Ohio State University; M.S. 1972, Cleveland State University; Ph.D. 1977, Ohio State University

**APRIL SOROKO** (2000), assistant professor of theatre studies; B.F.A. 1993, University of Texas at Austin; M.F.A. 1998, Yale School of Drama

**LEE SOROKO** (2000), visiting assistant professor of theatre studies; B.A. 1990, University of Wisconsin at Stevens Point; M.F.A. 1993, University of Texas at Austin

**WILLIAM F. STEVENS** (1982), associate professor of management; B.A. 1968, University of Evansville; M.A. 1972, Ph.D. 1977, Michigan State University

**ALICE C. STEWART** (2002), Jefferson Pilot professor of business management; B.B.A. 1980, M.B.A. 1981, University of Kentucky; Ph.D. 1991, University of North Carolina at Chapel Hill

**JOHN H. STONEBURNER** (1968), E.F. Craven professor of religious studies; B.A. 1958, Earlham College; B.D. 1961, Drew Theological School; Ph.D. 1969, Drew University

**CHARLES TEFFT** (1999), visiting half-time lecturer in art; B.F.A. 1997, Guilford College

**JEAN TILLMAN** (2001), visiting assistant professor of education studies; B.A. 1971, Guilford College; M.Ed. 1974, University of North Carolina at Greensboro; Ed.D. 1991, University of North Carolina

**KAREN M. TINSLEY** (1998), assistant professor of psychology; B.A. 1985, Sweetbriar College; M.S. 1987, Pennsylvania State University; Ph.D. 1991, University of Virginia

**CAROLE M. TREADWAY** (1969), special projects librarian in the Friends Historical Collection, with the rank of associate librarian; B.A. 1960, Earlham College; M.I.L. 1983, University of North Carolina at Greensboro

**SYLVIA TRELLES** (1984), associate professor of Spanish; B.A. 1969, Ripon College; M.A. 1971, Ph.D. 1984, University of Michigan

**KATHLEEN A. TRITSCHLER** (1984), associate professor of sport studies; B.S. 1972, University of Wisconsin at Madison; M.S. 1978, University of Arizona; Ed.D. 1985, University of North Carolina at Greensboro

**JEFFREY W. VANKE** (1999), assistant professor of history; A.B. 1992, Duke University; Ph.D. 1999, Harvard University

**ADELE WAYMAN** (1976), H. Curt and Patricia S. Hege professor of art; B.A. 1965, Vassar College; M.F.A. 1978, University of North Carolina at Greensboro

**CAROLYN BEARD WHITLOW** (1993), associate professor of English; B.S. 1969, Wayne State University; M.S. 1976, Cornell University; M.F.A. 1984, Brown University

**ROBERT M. WHITNELL** (1994), assistant professor of chemistry; B.A. 1983, Reed College; Ph.D. 1988, University of Chicago

**JILL H. WIESNER** (1995), assistant professor of mathematics; B.A. 1984, Skidmore College; M.A. 1986, Syracuse University; Ph.D. 2000, Syracuse University

**ROBERT B. WILLIAMS** (1987), associate professor of economics; B.S. 1976, University of Denver; Ph.D. 1984, University of North Carolina at Chapel Hill

**ROBERT G. WILLIAMS** (1978), Voehringer professor of economics; A.B. 1971, Princeton University; Ph.D. 1978, Stanford University

**JOHN ZERBE** (1988), associate professor of theatre studies; B.A. 1979, Oberlin College; M.F.A. 1982, Indiana University; Doctoral Candidate, University of California

**RICHARD L. ZWEIGENHAFT** (1974), Dana professor of psychology; B.S. 1967, Wesleyan University; M.A. 1968, Columbia University; Ph.D. 1974, University of California at Santa Cruz

## EMERITI FACULTY

**MARITZA B. ALMEIDA**, B.A., M.A., M.A., Ph.D., professor of Spanish, 1970-2002

**HERBERT T. APPENZELLER**, B.A., M.A., Ed.D., Jefferson-Pilot professor of sport studies, 1956-1993

**RUDOLPH S. BEHAR**, B.A., M.A., Ph.D., professor of English, 1968-1997

**KAREN A. BEHM**, B.S., M.L.S., head circulation librarian with rank of associate librarian, 1984-2000

**O. THEODOR BENFEY**, B.S., Ph.D., Dana professor of chemistry and history of science, 1973-1988

**ROBERT R. BRYDEN**, B.S., M.S., Ph.D., Dana professor of biology, 1961-1983

**WILLIAM A. CARROLL**, B.A., M.A., Ph.D., professor of political science, 1968-1993

**EDWIN G. CAUDILL**, B.S., Lit.M., Ph.D., Sulon Bibb Stedman professor of management, 1968-1992

**CAROL A. M. CLARK**, B.A., M.S., Ph.D., professor of economics, 1981-1999

**JOYCE P. CLARK**, B.S., M.Ed., associate professor of sports studies, 1959-2002

**ANN F. DEAGON**, B.A., M.A., Ph.D., H. Curt and Patricia S. Hege professor of humanities, 1956-1992

**CARTER R. DELAFIELD**, B.A., M.A., associate professor of English, 1966-1987

**TREVA MATHIS DODD**, B.A., associate library director and curator of the Quaker Collection with rank of assistant professor, 1950-1980

**CARROLL S. FEAGINS**, B.A., M.A., Ph.D., professor of philosophy, 1946-1982

**MARY B. FEAGINS**, A.B., M.A., associate professor of German, 1956-1982

**LOUIS B. FIKE**, B.A., Ph.D., associate professor of political science, 1969-2002

**WILLIAM E. FULCHER**, B.S., M.A., Ph.D., professor of biology, 1962-1996

**L. STANLEY GILLIAM**, B.A., M.F.A., M.Ed., director of media services, with the rank of assistant librarian, 1987-2001

**JERRY CARIS GODARD**, B.S., M.S., M.A., Ed.D., Dana professor of psychology and literature, 1975-2002

**JAMES B. GUTSELL**, B.S., M.A., Ph.D., professor of English, 1963-1999

**CYRIL H. HARVEY**, B.A., B.S., M.S., Ph.D., professor of geology, 1966-1999

**CLAIRE R. HELGESON**, A.B., M.A., Ed.D., assistant professor of education studies, 1977-2000

**LIGIA D. HUNT**, B.S., M.A., assistant professor of Spanish, 1955-1984

**LEE M. JOHNSON**, B.A., M.A., Ph.D., professor of English, 1980-2000

**ELIZABETH B. KEISER**, B.A., M.A., Ph.D., Dana professor of English, 1966-2002

**R. MELVIN KEISER**, B.A., B.D., M.A., Ph.D., professor of religious studies, 1966-2002

**BOB M. KEENY**, B.S., M.B.A., Ph.D., C.P.A., Vochringer professor of accounting, 1977-1988

**JACQUELINE LUDEL**, B.A., Ph.D., professor of biology and psychology, 1976-1997

**ILMA MORELL MANDULEY**, B.A.,  
D.Sc., assistant professor of mathematics,  
1961-1992

**F. MILDRED MARLETTE**, A.B., M.A.,  
professor of English, 1948-1979

**STUART T. MAYNARD**, A.B., M.Ed.,  
associate professor of physical education  
and head baseball coach, 1951-1984

**JAMES C. McMILLAN**, B.A., M.F.A.,  
professor of art, 1966-1988

**J. FLOYD MOORE**, A.B., B.D., Ph.D.,  
professor of religious studies, 1944-1984

**RICHARD M. MORTON**, B.A., M.A.,  
Ph.D, professor of English, 1969-1999

**CLAUDE T. MOUROT-HOFFMAN**,  
B.A., M.S. professor of French, 1966-2000

**GWEN J. REDDECK**, B.S., M.Ed.,  
associate professor of education studies,  
1959-1993

**FLOYD A. REYNOLDS**, B.S., M.Ed.,  
registrar and assistant professor of  
mathematics, 1960-1992

**WILLIAM R. ROGERS**, A.B., B.D.,  
Ph.D, president emeritus, professor of  
psychology and religious studies,  
1980-1999

**ALEXANDER R. STOESEN**, B.A.,  
M.A., Ph.D, professor of history,  
1966-1999

**MALONE B. STINSON**, B.S., M.S.L.S.,  
catalog librarian, with the rank of associate  
librarian, 1989-2002

**CAROLE M. TREADWAY**, B.A., M.L.S.,  
librarian of the Friends Historical  
Collection with rank of associate librarian,  
1969-2000

**KENNETH D. WALKER**, A.B., M.Ed.,  
associate Professor of mathematics,  
1962-1984

**PAUL E. ZOPF, JR.**, B.S., M.S., Ph.D.,  
Dana professor of sociology and  
anthropology, 1959-1993



# Index

## A

Academic Advising, Continuing Education	198	African Studies Concentration	151
Academic Departments and Majors	31	Alumni Gym	210
Academic Dismissal	228, 237	American College Testing Program (ACT)	213, 216
Academic Management Services (AMS)	217, 202	Anthropology Concentration	151
Academic Principles, Five	17	Application Procedure	216
Academic Probation	227, 236	Application to the College International Students	213
Academic Record	213	Transfer Students	213
Academic Regulations	231	Applied Ethics Concentration	152
Academic Scholarships	253	Area of Study Requirement	20
Academic Skills Center	205	Areas of Study, Continuing Education	196
Academic Suspension	228, 237	Art Major	35
Accounting Major	32	Art Gallery	211
Accounting Concentration	150	Arts Programs and Lectures	245
Accreditation	24	ArtsETC	245
Administrative Staff	260	Astronomy Concentration	153
Admission	213	Athletic Insurance	221
Admission, Continuing Education	197	Athletics and Recreation	249
Admission Deposit	220	Athletic Training Major	135
Admission Interview	214	Attendance	233
Adult Students, Special	195	Audiovisual Resources Multimedia	205
Advanced Placement	215	Leak Audiovisual Center	209
Affiliation	24	Joseph M. Bryan Jr. Auditorium	210
African American Affairs, Office of	244	Auditor	198
African American Cultural Society	246	AVANTI	206, 243
African American Studies Major	34	Awards	253
African American Studies Concentration	150		



Computing and Information		Dismissal, Academic	237
Technology Concentration	157	Dismissal, Disciplinary	237
Concentrations	18, 23, 149	Diverse Ethnicity,	
Consortia	192, 231	Services for Students of	244
Continuing Education Units	197	Diversity in the U.S. Requirement	22
Cooperative or		Dormitories (see Residence Halls)	
Dual-Degree Programs	28	Double Majors	22
Counseling, Veterans	199	Drama (see Theatre Studies)	
Counseling Center	243	Dual-Degree Programs	28
Course Load, Normal	232		
CPA Preparation	32	<b>E</b>	
Credit/No Credit Option	235	Early College	191
Criminal Justice Major	93	Early Decision Deadline	216
Criminal Justice Concentration	158	Early Decision Plan	216
Critical Perspectives Courses	20	Early Entrance	215
Cross Registration	30, 198	Earth Studies Major	78
Cultural Opportunities	245	East Asian Studies Concentration	159
Curriculum	18	Eastern Music Festival	15
		Economics Concentration	134
<b>D</b>		Economics Major	56
Dana Auditorium	210	Education Studies Concentration	161
Dana Scholars	253	Education Studies Major	59
Dance Concentration	159	Electives	18, 24
Dean's List	253	Emeriti Faculty	269
DeBug	205	Emeriti Trustees	259
Degree Candidacy	238	Endowment	inside back cover
Continuing Education	197	Engineering, Cooperative Program	28
Degrees Offered	25, 27	England, semester	185
Departmental Clubs	247	English Concentration	161
Departmental Honors Work	190	English Major	62
Departmental Programs	31	English Placement	215
Deposit in Escrow	220	English Requirement	19
Disciplinary Suspension or		Enrollment Fee	214, 215
Dismissal	228, 237	Entrance Tests	213
Discontinued Degree Program	238		



German Studies Major	73	Honors Scholarships	191, 223
Germany, semester	186	Housing, Student	241
Ghana, semester	184	Continuing Education Students	199
Graduation Honors	254	Special Interest	242
Grade Points	234		
Grade Reports	234		
Grading System	234		
Graduation Requirements	27	<b>I</b>	
Greater Greensboro		IDS 401 Requirement	23
Consortium	192	Immunizations	215
Greensboro, City of	14	Independent Study	189
Guilford College Achievement		Information Technology and Services	205
Awards	254	Installment Plans	217
Guilford College Art Gallery	211	Insurance	220
Guilford College Choir	246	Integrated Science Concentration	165
Guilford Opportunity Alternative		Integrative Studies Major	89
Loan (GOAL)	225	Intercultural Requirement	22
Guilford Scholarships	223, 253	Interdisciplinary Majors	23
		Interdisciplinary Studies	23
		International Baccalaureate	215
		International Political Economy	
		Concentration	166
<b>H</b>		International Relations Club	246
Health Services, Student	243	International Student Applications	214
Health Sciences Major	82	International Student Services	245
Hege Library	203	International Students	214
Historical Perspectives Requirement	20	International Students, Insurance	221
History Concentration	164	International Studies Major	91
History of Guilford	14	Internships	189
History Major	83	Interpersonal Communication	
Honor Code	235	Concentration	167
Honors Curriculum	190	Introduction to Guilford College	11
Honors, Departmental	190	Italy, semester	183
Honors, General	190		
Honors, Graduating	254		
Honors Program	190		
Admission	191		

**J**

Japan, semester	187
Japan, year in	187
Japanese	73
Japanese Language and Society	
Concentration	167
Joint Majors	22
“Journal of Undergraduate Research in Physics”	247
Joseph M. Bryan Jr. Auditorium	210
Justice and Policy Studies, Department of	92

**K**

Key Deposit	221
-------------	-----

**L**

Laboratories, Science	207
Language Laboratory	209
Latin American Studies	
Concentration	168
Law, Preprofessional Program	30
Leadership Recognition	254
Leadership Scholarships	254
Leak Room	209
Learning Resources	203
Library (see Hege Library)	
Life Sciences Major	39
Loans (see Financial Assistance)	

**M**

Majors and Degrees	18, 22, 25, 31
Majors, Double	22
Majors, Interdisciplinary	23
Majors, Joint	22
Marshals, Student	253
Mathematics Major	98
Mathematics for the Sciences	
Concentration	168
Medical Withdrawal	237
Medieval/Early Modern Studies	
Concentration	169
Meeting Space	210
Message from the President	3
Mexico, semester	185
Mission of the College	11
Money and Finance Concentration	170
Monthly Installment Plan	
(see Academic Management Services)	
Motor Vehicles	251
Registration Fee	221
Multicultural Resource Center	245
Multimedia Equipment	205
Music Concentration	170
Music Major	101
Music Fees	219

**N**

National Collegiate Athletic	
Association (NCAA)	249
Native American Program	244
New Students Mentoring	206
Non-Credit Courses	235
Nondiscriminatory Policy	1
Non-Payment of Tuition and Fees	238

Non-Profit Management		Personnel	259
Concentration	171	Philosophy Concentration	174
North Carolina Legislative		Philosophy Major	107
Tuition Grant	225	Philosophy of Mathematics	
North Carolina Residents, Aid to	225	Concentration	174
North Carolina State Contractual		Physical Education (see Sport Studies)	
Scholarship Fund	225	Physical Education Center	210
North Carolina State Grants	225	Physician Assistant,	
		Cooperative Program	29
		Physics Concentration	175
		Physics Laboratories	209
		Physics Major	110
		Piedmont Independent College	
		Association of North Carolina	192
		Placement Service	
		(see Career Development,	
		Internships and Community	
		Learning)	
		Political Science Concentration	175
		Political Science Major	114
		Portfolio	213
		Practicing Space	210
		Pre-Dentistry	29
		Pre-Law	30
		Pre-Medicine	29
		Pre-Ministerial	30
		Preprofessional Options	29
		Presidential Scholarships	224
		Pre-Veterinary Medicine	29
		Probation, Academic	236
		Project Community	248
		Provisional Grades	234
		Psychology Concentration	176
		Psychology Major	119
<b><u>O</u></b>			
Observatory	209		
Off-Campus Education	191		
(also see Studies Abroad)			
Off-Campus Seminars	192		
Old Dominion Athletic Conference			
(ODAC)	250		
Organizational Communication			
Concentration	172		
Organizations, Campus	246		
Orientation	243		
Overloads	233		
<b><u>P</u></b>			
Parents' Weekend (see Family Weekend)			
Part-Time Student	232		
Pass/Fail Option	234		
Payment of Accounts	217		
Continuing Education	202		
Peace and Conflict Studies			
Concentration	172		
Peace and Conflict Studies Major	105		
Pell Grant Program	225		
Performing Arts	246		
Performing Space	210		

**Q**

Quaker Heritage	13, 247
Quaker Leadership Scholars Program	14, 224
Quaker Ministers, Aid to	224
Quaker Ministry Candidates, Aid for	225
Quaker Students, Aid for	224
Quaker Studies Concentration	177
Quality Point Average	234
Quality Points	234
Quantitative Literacy Test	20

**R**

Ragan-Brown Field House	210
Readmission of Suspended or Dismissed Students	229, 237
Recreation	249
Reentry Assistance	229, 237
Refunds and Adjustments Continuing Education	222 201
Registration Procedures, Residential Campus Continuing Education	231 198
Regular Decision Deadline	216
Religious Life	247
Religious Studies Major	123
Residence Halls	242
Residential Life	241
Residential Room Charge	221
Revelers	246
Room and Board, Fees	218, 221

**S**

Scholarship Society	254
Scholarships	223, 250
Scholastic Aptitude Test (SAT)	213, 216
Scholastic Honors	253
Science Laboratories	207
Scientific Computation and Visualization Facility	207
Second Degrees	239
Secondary School Preparation for Admission	213
Semester Load	232
Seminar West	80
Senior Citizens Audit Fee	232
Senior Thesis	189
Separation from the College	237
Social Justice/Environmental Responsibility Requirement	22
Sociology and Anthropology Major	130
Sociology Concentration	178
“Southern Friend: Journal of the North Carolina Friends Historical Society”	247
Spanish Language and Society Concentration	179
Spanish Major	74
Special Interest Groups	247
Special Interest Housing	242
Special Study Opportunities	189
Special Topics Courses	189
Sport Administration Concentration	179
Sport Management Major	135
Sport Marketing Concentration	180
Sport Studies Department	135
Sports, Men	250
Sports, Women	250

Statement of Purpose	5	Suspension, Disciplinary	228, 237
Student Apartments	243		
Student Tutorial Service	205		
Sternberger Auditorium	210	<b>T</b>	
Student Activity Fee	220	Teacher Certification	59
Student Body	12	Telecommunications Center	
Continuing Education	196	(see Bauman)	
Student Classification	232	Test of English as a Foreign	
Student Employment Service	244	Language (TOEFL)	215
Student Government,		Theatre Studies Concentration	180
Continuing Education	199	Theatre Studies Major	141
Residential Campus	241	Transcripts	238
Student Health Service	243	Transfer Applications	214
Student Marshall	253	Transfer Credits	235
Student Publications	247	Tuition and Fees	218
“The Guilfordian”	247	Continuing Education	201
“The Quaker”	247	Tuition and Fees, Payment	217
“The Lighthouse”	247	Tuition and Fees, Nonpayment	217
Student Services	243	Tuition Refund	222
Studies Abroad	183	Tutoring Service	205
Beijing, China	183		
Brunnenburg, Italy	183	<b>U</b>	
Ghana, Cape Coast	184	Unclassified Student	232
Guadalajara, Mexico	185	Union	245
London, England	185		
Munich, Germany	186	<b>V</b>	
Paris, France	186	Veterans	199
Kyoto, Japan	187	Visiting Student	232
Tokyo, Japan	187	Visual Arts Concentration	181
Studios and Galleries	210	Voluntary Withdrawal	237
Summer School or Semesters at other			
American or European			
Institutions	193		
Summer School	193		
Suspension, Academic	228, 237		

**W**

Washington, D.C., Semester	192
Weekly Class Schedule	233
Withdrawal from College	222
Withdrawal from Courses	231
WQFS-FM	246
Who's Who	254
Women's Studies Concentration	182
Women's Studies Major	146
Work Opportunities	226

**Y**

Y.M.C.A.	210
----------	-----













## SPECIAL FACILITIES

- **Library:** more than 240,000 books, periodicals, non-print media; almost 700,000 available through Consortium libraries' electronic database (2,000,000 available through area colleges and universities).
- **Physical Education Center:** 64,000 square feet: including an indoor swimming pool, weight room, basketball, racquetball and handball courts.
- **Studios, gallery space, outdoor kiln.**
- **Computing:** Fully networked campus, providing high-speed access to printers and the Internet. Four computer labs and other discipline-specific clusters. Software: Microsoft Office, Lotus Notes and other supported applications.
- **Astronomy observatory:** with a 16" telescope; the college also shares a 32" telescope off-campus with two other institutions.

## JOURNALS AND SCHOLARSHIP

- **Edited or published at Guilford:** "Journal of Undergraduate Research in Physics," "The Southern Friend."
- **Representative student honors:** three Danforth Fellows, a Truman scholar, six Fulbrights, a Mellon fellowship and four Rotary International scholars.

## ATHLETICS

- Six men's varsity sports (baseball, basketball, football, golf, lacrosse, soccer).
- Six women's varsity sports (basketball, lacrosse, soccer, softball, tennis, volleyball).
- Four club sports (men's and women's rugby, track and ultimate frisbee).

## FINANCIAL INFORMATION FOR 2002-03

Tuition and fees	\$17,900
Room and board	\$5,780
Student activity fee	\$300
Total	\$23,980

## STUDENT AID

- About 58% received need-based financial assistance averaging \$14,684 in 2001-02
- Over \$14,800,000 in need-based aid, merit awards and other entitlements in 2001-02.

## COLLEGE ENDOWMENT

- \$53,338,000 as of May 1, 2002.

## THE CAMPUS

- 300 acres, heavily wooded with predominantly Georgian architecture. Listed on the National Register of Historic Places by the U.S. Department of the Interior.
- Located in northwest Greensboro, third largest city in North Carolina (city approximately 230,000; metropolitan area: 1.3 million).

