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# FACTS

## UNC-G

**Historical.** Established in 1891/Became The Woman's College of The University of North Carolina in 1932/Became The University of North Carolina at Greensboro, a coeducational institution, in 1963/50,000 living alumni.

**General.** Accredited, state-supported university/Provides undergraduate and graduate education/One of original institutions comprising The University of North Carolina/Endowment: over \$3.4 million (market value) Operating Budget: \$45.2 million.

**Enrollment, 1984-85.** 10,090 total/7,324 undergraduates/2,766 graduate students/68% female, 32% male/88% in-state students/38 other states and 63 foreign countries represented.

**Freshman Profile, 1984-85.** The average SAT for unconditional freshman admission is 943/56% of students ranked in the top ¼ of their high school classes/Over 45% of previous freshman classes have received grades of **B** or better during the freshman year/By the time the class reaches senior year, 60 to 70% will earn grades of **B** or better.

**Faculty, 1984-85.** Student-faculty ratio: 14.2 to 1/628 faculty members: 67.8% hold doctoral degrees.

**Campus:** 167 acres/74 buildings valued at more than \$151 million.

**Library.** Open-stack collection of more than 1,700,000 items.

**Class Size.** Typical freshman English composition class has 22 students/Maximum class size is 250 students; minimum, 10. (Independent study and tutorial courses are not included.)

**Undergraduate Academics.** 7 degrees awarded in 89 fields of study. See Areas of Study Chapter for a complete discussion of majors and concentrations available/122 semester hours required for majority of degrees/Most majors require 24-36 semester hours of work in the major.

**Special Programs Available.** Residential College/Honors Program/International Studies/Women's Studies/Black Studies/Study Abroad/Parkway Playhouse/Teacher Education/Preprofessional Programs (engineering, law, medicine, dentistry, pharmacy, physical therapy and veterinary medicine).

**Consortium.** Member of Greensboro Regional Consortium for Higher Education/Includes Bennett, Greensboro, Guilford, Guilford Technical Community and High Point colleges, North Carolina Agricultural and Technical State University, UNC-G/Makes it possible for UNC-G students to take courses at any of the area institutions without additional tuition.

**Calendar.** Two semesters, two six-week summer sessions.

**Expenses.** Tuition and Academic Fees, \$480 in-state; \$3,100 out-of-state/Required fees \$362/Room \$1,040/Board from \$954-\$1275.

**Financial Aid.** About 50% of students receive some sort of financial aid.

## Greensboro

**Location.** 349 miles north of Atlanta/300 miles south of Washington, D.C./60 minutes from Chapel Hill.

**Population.** Second largest city in N.C./179,000.

**Climate:** Winters average 42.1° with two snowfalls/springs and falls, 60.2°/summers, 72.9°.

**Great Place to Live.** Rated **second** in the nation by Rand McNally's "Places Rated Almanac" among 277 metropolitan areas. Based on climate, housing, education, health, recreation, art, transportation, prosperity, and crime.

**Transportation.** The Greensboro—High Point—Winston-Salem Regional Airport is served by United, Eastern, Piedmont and Delta airlines/Amtrack railway provides passenger service/Greyhound, Carolina Trailways and Continental Trailways provide bus service.

## Equality of Educational Opportunity

The University of North Carolina at Greensboro is committed to equality of educational opportunity and does not discriminate against applicants, students, or employees based on race, color, national origin, religion, sex, age, or handicap. Moreover, The University of North Carolina at Greensboro is open to people of all races and actively seeks to promote racial integration by recruiting and enrolling a larger number of black students.

## CORRESPONDENCE DIRECTORY

### Admissions

Office of Admissions  
University of North Carolina at Greensboro  
123 Mossman Administration Building  
Greensboro, North Carolina 27412-5001  
(919) 379-5243

### Financial Aid

Student Aid Office  
University of North Carolina at Greensboro  
243 Mossman Administration Building  
Greensboro, North Carolina 27412-5001  
(919) 379-5702

### Registrar

Office of the Registrar  
University of North Carolina at Greensboro  
180 Mossman Administration Building  
Greensboro, North Carolina 27412-5001  
(919) 379-5946

### Summer School

Summer Session  
University of North Carolina at Greensboro  
100 Foust Building  
Greensboro, North Carolina 27412-5001  
(919) 379-5416

### Cashier

University Cashier  
University of North Carolina at Greensboro  
151 Mossman Administration Building  
Greensboro, North Carolina 27412-5001  
(919) 379-5831

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# The University of North Carolina at Greensboro/bulletin



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Catalog Issue  
for the Year  
1984-85  
Announcements  
for 1985-86

Vol. 74, No. 6  
August 1985

# UNC-G CALENDAR

## FALL SEMESTER 1985

August 9, 1985, Friday	Summer Session ends.
August 14-16, Wednesday-Friday	Walk-In Registration/Advisement.
August 17, Saturday	Fall Semester opens.
August 17-20, Saturday-Tuesday	Orientation and advising for freshmen, transfers.
August 20, Tuesday, 5:00 p.m.- 7:00 p.m.	Advising and registration for graduate students.
August 21, Wednesday, 9:00 a.m.- 12:00 noon	Registration for all undergraduate students.
August 22, Thursday, 8:00 a.m.	Instruction begins.
August 22, Thursday	Late registration (August 22 - August 29).
August 29, Thursday	Last day to change courses or course section. If unusual circumstances for adding a course are demonstrated, an undergraduate student may add a course after this time with approval of Dean of Academic Advising and instructor of the course.
August 30, Friday	Deadline for submitting application for graduation for graduate students completing degree requirements in 1985 Fall Semester.
September 2, Monday	Labor Day Holiday. Classes dismissed; offices closed.
September 6, Friday	Last day to drop a course(s) and be entitled to a refund (less 10%) on tuition and fees.
October 3, Thursday	Last day to drop courses without penalty. Withdrawal from a course or courses within the first six (6) weeks should be without penalty and hours <b>shall not be computed as hours attempted</b> . Grade of "W" shall be recorded. <b>WITHDRAWAL FROM A COURSE OR COURSES AFTER THE FIRST SIX (6) WEEKS EXCEPT FOR APPROPRIATE CAUSE DETERMINED BY MEDICAL, COUNSELING, OR ADMINISTRATIVE CIRCUMSTANCES SHALL BE COUNTED AS "WF" AND COMPUTED IN THE GRADE POINT AVERAGE.</b>
October 3, Thursday	Six weeks unsatisfactory progress reports due in Registrar's Office.
October 7, Monday	Founder's Day.
October 18, Friday, 6 p.m.	Instruction ends for Fall Semester break.
October 23, Wednesday, 8 a.m.	Classes resume.
November 11, Monday, 5 p.m.	Final date for oral examination for December doctoral candidates and depositing of one final copy of dissertation in the Graduate Office for the reader.
November 11-15, Monday-Friday	Preregistration for continuing students for Spring Semester.
November 27, Wednesday, 1 p.m.	Instruction ends for Thanksgiving holidays.
December 2, Monday, 8 a.m.	Classes resume.
December 2, Monday	Financial aid application deadline for Spring Semester.
December 10, Tuesday	Reading Day.
December 11-18, Wed. - Wed.	Final Examinations.
December 18, Wednesday	Final date for complete clearance of December candidates for degrees, including receipt in Graduate Office of two final copies of thesis or dissertation and payment of fees owed the University.
December 18, Wednesday	End of Fall Semester.

CONTACT UNC-G COUNSELING AND TESTING CENTER FOR EXACT DATES OF QUALIFYING EXAMINATIONS.

## SPRING SEMESTER 1986

January 2, 3, Thursday-Friday	Walk-in Registration/Advisement.
January 4, Saturday	Competitive scholarship application deadline for entering freshmen.
January 6, Monday, 5:00-7:00 p.m.	Advising and registration for graduate students.
January 7, Tuesday, 9 - 11 a.m.	Advising for Spring Semester undergraduate admits.
January 7, Tuesday, 9 a.m.-12 noon	Completion of registration for Spring Semester for undergraduate students.
January 8, Wednesday, 8 a.m.	Classes begin for Spring Semester.
January 8, Wednesday	Late registration. (January 8 - January 15).
January 15, Wednesday	Last day to change courses or course sections. If unusual circumstances for adding a course are demonstrated, an undergraduate student may add a course after this time with approval of Dean of Academic Advising and instructor of the course.
January 16, Thursday	Deadline for submitting application for graduation for graduate students planning to graduate in the 1986 commencement.
January 22, Wednesday	Last day to drop a course(s) and be entitled to a refund (less 10%) on tuition and fees.
February 10, Monday	Last day for undergraduate students to apply for student teaching during 1986-87.
February 19, Wednesday	Last day to drop courses without penalty. Withdrawal from a course or courses within the first six (6) weeks should be without penalty and hours <b>shall not be computed as hours attempted</b> . Grade of "W" shall be recorded. <b>WITHDRAWAL FROM A COURSE OR COURSES AFTER THE FIRST SIX (6) WEEKS EXCEPT FOR APPROPRIATE CAUSE DETERMINED BY MEDICAL, COUNSELING, OR ADMINISTRATIVE CIRCUMSTANCES SHALL BE COUNTED AS "WF" AND COMPUTED IN THE GRADE POINT AVERAGE.</b>
February 19, Wednesday	Six weeks unsatisfactory progress reports due in Registrar's Office.
February 28, Friday	Financial aid applications priority filing date for Summer School and 1986-87 academic year.
March 8, Saturday, 1:00 p.m.	Instruction ends for Spring Holidays.
March 17, Monday, 8:00 a.m.	Classes resume.
March 31, Monday, 5:00 p.m.	Final dates for oral examination for May doctoral candidates and depositing of one final copy of dissertation in Graduate Office for the reader.
March 31, Monday	Easter Monday Holiday. Classes dismissed; offices closed.
April 7-11, Monday-Friday	Preregistration for continuing students for Summer School and/or Fall Semester.
April 29, Tuesday	Reading Day.
April 29, Tuesday, 5:00 p.m.	Final date for complete clearance of May master's candidates for degrees, including depositing of 2 final copies of thesis in Graduate Office and payment of fees owed the University.
April 29, Tuesday, 5:00 p.m.	Final date for complete clearance of May doctoral candidates for degrees, including depositing of 2 final copies of corrected dissertation in Graduate Office and payment of fees owed the University.
April 30-May 7, Wed-Wed	Final Examinations.
May 11, Sunday	Commencement.
May 21, Wednesday	Summer Session begins.

CONTACT UNC-G COUNSELING AND TESTING CENTER FOR EXACT DATES OF QUALIFYING EXAMINATIONS.

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William E. Moran, Chancellor  
What's It Like

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# About this Catalog

It is impossible to fit a university into a catalog. It is equally impossible to produce a catalog which answers every question.

Realizing this, we present this catalog as only one of many sources of information available to you for learning about UNC-G and its programs.

The first section of this two-part catalog gives information for prospective students. The second section is designed as an academic guide, providing detailed information about academic programs. The Areas of Study Chapter includes descriptions of UNC-G's schools and departments, degree and major requirements as well as course descriptions. For your convenience, these are arranged in alphabetical order by topics of study.

We invite you to use the Correspondence Directory on the inside front cover to contact individuals for more information. We also encourage you to visit our campus and to talk to students, faculty and administrators about your particular concerns and interests.

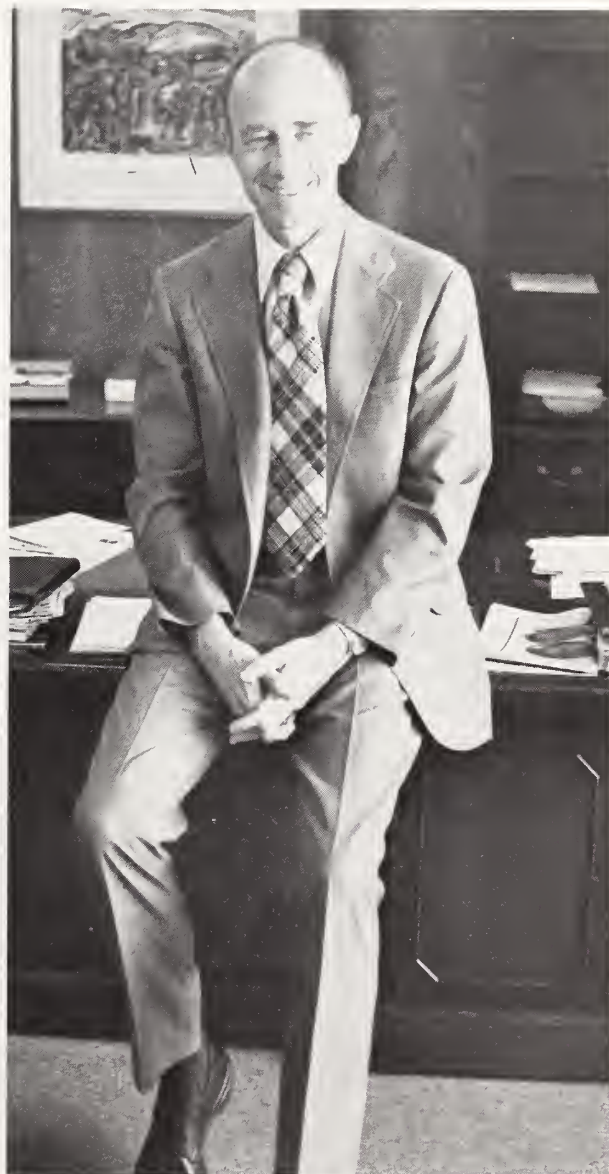
Thanks are given to the UNC-G News Bureau and the UNC-G Library for many of the photographs used in this publication.



## To Prospective Students

University catalogs are not as a rule light reading. This one is no exception. It is, however, a useful and accurate compilation of information describing program offerings and requirements. These pages serve as introduction to a rich and vital academic community. Faculty and staff alike are pleased by your interest. All of us at The University of North Carolina at Greensboro will be delighted to provide further help as needed.

William E. Moran  
Chancellor





## UNC-G: What's It Like? They said it. Listen.

### Comments from Former Students:

"I would like to be able to attend UNC-G for many reasons, the most important being the excellent academic learning atmosphere in which a student may be guided by the teacher but may do the learning for himself. From many opportunities available at UNC-G, I feel sure I will be able to choose a satisfying career."

"My sister is a transfer student now attending UNC-G. Her enthusiasm as to the quality of the professional staff and the courses offered has been a major factor in helping me make my decision to apply to UNC-G."

### Comments from Freshmen:

"I was encouraged by a personal visit to the Residential College which I will be attending."

"The excellence in so many different fields and the small town feeling were very appealing."

"Highly regarded as School of Teacher Education."

"I came mainly because UNC-G offers a good Home Economics program. Also I like the size and location of campus."

"The atmosphere of the campus—I just like UNC-G. I think it promises me a lot of opportunities in school and social activities—it was my only choice of college to attend."



### Adult student—Part time

"A night class in figure drawing at UNC-G made me realize how much I missed the classroom situation....there is so much to gain through the student-teacher relationships. Exchanging of ideas and experiences in learning are important."

### Comments from Upperclassmen:

"I have researched all of the schools in the Greensboro area and have concluded that UNC-G would best meet my requirements."

"I chose UNC-G because I feel that you can provide everything I need for personal and academic fulfillment. UNC-G also has one of the best English departments in the State of North Carolina."

"I feel UNC-G is the best college for higher education and especially art education."

"The University of North Carolina at Greensboro appears to be an excellent college with much variety."

# About UNC-G information for prospective students/part 1



## We've Come a Long Way

When the picture on the preceding page was taken in 1894, UNC-G was the State Normal and Industrial School. It was founded in 1891 by the General Assembly of North Carolina for the following purposes:

**...to give young women such education as shall fit them for teaching...to give instruction to young women in drawing, telegraphy, typewriting, stenography, and such other industrial arts as may be suitable to their sex and conducive to their support and usefulness....**

UNC-G has come a long way since 1891. Needless to say, dropping telegraphy from the curricula is not the only change which has been made.

During its first seven decades, the institution's mission was to prepare women, primarily undergraduates, for the most effective living of that day. Today that goal—effective living—remains the same, but its scope has been greatly expanded.

UNC-G now offers men and women over 150 graduate and undergraduate programs. It provides opportunities to apply classroom learning to real-life situations through internships and practicums. It also offers students the change to tailor-make their own programs of study based on individual needs and goals.

Although contemporary in its education program, UNC-G is also realistic. In its effort to prepare graduates for effective living, it has built into its program the flexibility needed to meet the rapidly changing needs of society. UNC-G, therefore, will remain a university in transition, not satisfied with yesterday or today, but always looking toward tomorrow.



## Historical Perspective



Charles Duncan McIver led a crusade in behalf of the education of women which resulted in the establishment of this institution. He served as its first President from 1892-1906. Other Presidents or Chancellors include: Julius I. Foust, 1906-34/Walter Clinton Jackson, 1934-50/Edward Kidder Graham, 1950-56/W.W. Pierson, Jr., 1956-57 and 1960-61/Gordon W. Blackwell, 1957-60/Otis A Singletary, 1961-66/James Sharborough Ferguson, 1967-1979; William E. Moran, 1979-Present.



UNC-G has been known by many names: The State Normal and Industrial School and later College, 1892-1919/North Carolina College for Women, 1919-32/and The Woman's College of the University of North Carolina, 1932-63/The University of North Carolina at Greensboro, a coeducational institution, 1963-Present.

## UNIVERSITY STATEMENT OF MISSION AND GOALS (Adopted by the Faculty and Administration, 1983)

The University of North Carolina at Greensboro has a special place in public higher education in North Carolina. It has a long-standing commitment to the liberal arts in all undergraduate education. It is also a doctoral-granting institution with unique authorization to concentrate its resources on a select number of doctoral programs. These characteristics provide a comparative advantage to the University in carrying out a special mission: to provide excellence in mutually supportive graduate and undergraduate education to men and women of every race, and to achieve national recognition in selected programs.

Given this unique mission, the following goals obtain for the period through 1991:

- a. To provide the best opportunity in the University of North Carolina system for all undergraduates to secure an education firmly based in the liberal arts
- b. To provide the best undergraduate professional preparation in the University of North Carolina system in selected fields.
- c. To provide excellent masters programs, especially to meet the needs of North Carolina's urban areas
- d. To achieve national recognition for all doctoral programs and selected masters programs
- e. To stimulate and support excellence in teaching and enhanced faculty-student relationships
- f. To stimulate and support productive and high quality research, scholarship, and creative expression
- g. To nurture a strong sense of community and to develop a distinctive intellectual, cultural, and social life in the University through curricular and co-curricular programs
- h. To seek opportunities consistent with the University's standards for teaching, creative expression, and research, to serve the people of the state and to promote understanding of the mutual benefits.

## Membership and Accreditation

UNC-G is regionally accredited by the Southern Association of Colleges and Schools. It is a member of the Southern Association of Colleges and Schools, the American Council on Education, The American Association of State Colleges and Universities, the North Carolina Association of Colleges and Universities, the Council on Postsecondary Accreditation, the National Association of Summer Sessions, the American Association of Colleges of Teacher Education, and the National University Continuing Education Association. Teacher Education programs at UNC-G have been approved at the state level by the North Carolina Department of Public Instruction. In addition, UNC-G has teacher education programs approved by the National Council of Accreditation in Teacher Education. For additional accreditation information, the student should check with the individual school/department.

## History of the University

The University of North Carolina is comprised of all the public

institutions of higher education in North Carolina that confer degrees at the baccalaureate level or higher. The University was authorized by the State Constitution in 1776, and it was chartered in 1789 by the General Assembly.

Almost 100 years later, the State Normal and Industrial College, known today as UNC-G, was chartered as a female institution and began operation in Greensboro, North Carolina.

The University of North Carolina opened its doors to students in Chapel Hill in 1795. Thereafter, beginning in the latter part of the nineteenth century, the General Assembly of North Carolina has established and supported fifteen other public senior institutions in keeping with Article IX, Section 8, of the Constitution of North Carolina which provides that the "General Assembly shall maintain a public system of higher education, comprising The University of North Carolina and such other institutions of higher education as the General Assembly may deem wise."

By 1969, The University of North Carolina included six constituent institutions, governed by a single Board of Trustees. This multi-campus University had its beginnings in legislation enacted in 1931 that defined The University of North Carolina to include The University of North Carolina at Chapel Hill, North Carolina State University at Raleigh, and The University of North Carolina at Greensboro. In the 1960's three additional campuses were added: The University of North Carolina at Charlotte, The University of North Carolina at Asheville, and The University of North Carolina at Wilmington.

Beginning in 1877, the General Assembly of North Carolina established or acquired ten additional separately governed state-supported senior institutions of higher education. They are: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, North Carolina School of the Arts, Pembroke State University, Western Carolina University, and Winston-Salem State University. Then, in 1971, the General Assembly redefined The University of North Carolina, and under the terms of that legislation all sixteen public senior institutions became constituent institutions of The University of North Carolina.

The constitutionally authorized Board of Trustees of the six-campus University of North Carolina was designated the Board of Governors and this body is by law The University of North Carolina. The Board of Governors consists of thirty-two members elected by the General Assembly, and it is charged with "the general determination, control, supervision, management, and governance of all affairs of the constituent institutions." The chief executive officer of The University is the President.

Each constituent institution of The University has its own faculty and student body. The chief administrative officer of each institution is the chancellor, and the chancellors are responsible to the President.

Each constituent institution also has a board of trustees composed of thirteen members: eight elected by the Board of Governors, four appointed by the Governor, and the elected president of the student body *ex officio*. (The School of the Arts has two additional *ex officio* trustees.) The principal powers of these institutional boards are exercised under a delegation of authority from the Board of Governors.

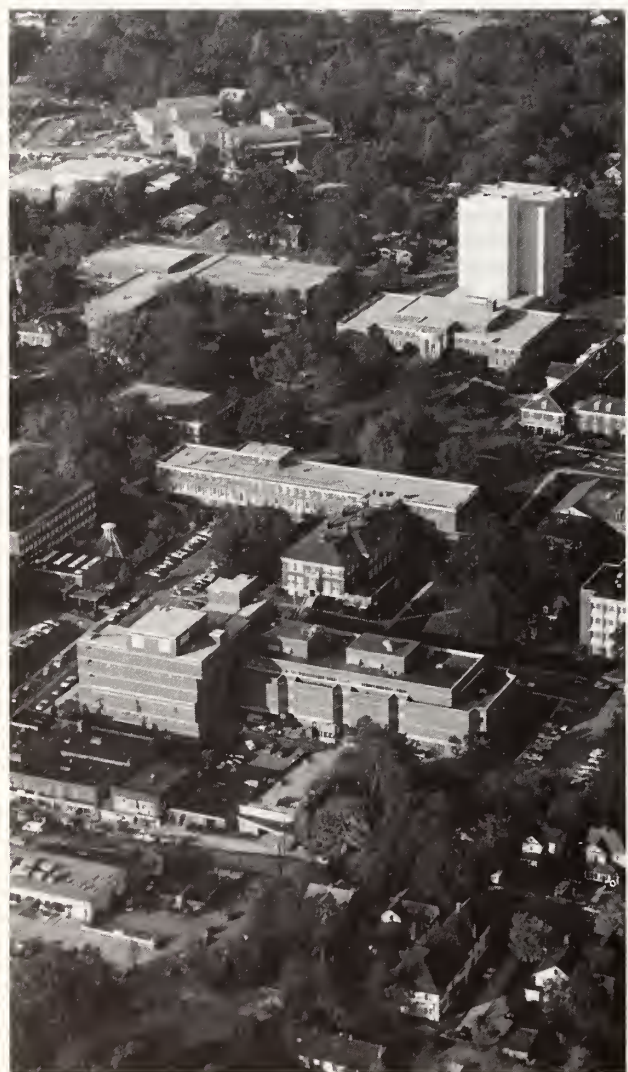


○ **Affirmative Action (See Appendix B)**

○ **Evolution of The University**

**1931 — The University of North Carolina was established as a three-campus institution.**

- The University of North Carolina (Chapel Hill)**      By act of the General Assembly of 1931, without change of name, The University of North Carolina was merged with The North Carolina College for Women at Greensboro and The North Carolina State College of Agriculture and Engineering at Raleigh to form a multicampus institution designated The University of North Carolina.
- The North Carolina College for Women (Greensboro)**
- The North Carolina State College of Agriculture and Engineering (Raleigh)**



**1963-1972—The University of North Carolina grew from a three-campus to a 16-campus institution.**

- The University of North Carolina at Chapel Hill**      In 1963 the General Assembly changed the name of the campus at Chapel Hill to The University of North Carolina at Chapel Hill and that at Greensboro to The University of North Carolina at Greensboro and, in 1965, the name of the campus at Raleigh to North Carolina State University at Raleigh.
- The University of North Carolina at Greensboro**
- North Carolina State University at Raleigh**
- The University of North Carolina at Charlotte**      Charlotte College was added as The University of North Carolina at Charlotte in 1965, and in 1969, Asheville-Biltmore College and Wilmington College became The University of North Carolina at Asheville and The University of North Carolina at Wilmington respectively.
- The University of North Carolina at Asheville**
- The University of North Carolina at Wilmington**      On October 30, 1971, the General Assembly in special session merged, without changing their names, the other ten state-supported senior institutions into the University as follows (according to year of founding): Fayetteville State University, Pembroke State University, Western Carolina University, Elizabeth City State University, North Carolina Agricultural and Technical State University, Winston-Salem State University, Appalachian State University, East Carolina University, North Carolina Central University, North Carolina School of the Arts.
- Fayetteville State University**
- Pembroke State University**
- Western Carolina University**
- Elizabeth City State University**
- North Carolina Agricultural and Technical State University**
- Winston-Salem State University**
- Appalachian State University**
- East Carolina University**
- North Carolina Central University**
- North Carolina School of the Arts**

## UNC-G Facilities

In addition to the usual classroom buildings, residence halls and dining halls, UNC-G's facilities include some rather noteworthy, novel and new additions to the university scene:

### Chinqua-Penn Plantation House

Willed to UNC-G in 1959, this estate of the late Mr. and Mrs. Jefferson Penn includes a 27-room mansion filled with a priceless collection of art objects and predominantly European furniture. Since 1966, the plantation has been open to tourists. It is located 27 miles north of the UNC-G campus near Reidsville.

### Summer Theatre In Burnsville

The innovative combining of rotating repertory (on the main stages in Greensboro) with weekly "stock" production (at the Parkway Playhouse in Burnsville, North Carolina) makes summer theatre at UNC-G a unique learning experience. Working alongside professional artists, students are challenged to stretch to the limits of their abilities. The season includes musicals, comedies, and dramas performed on campus in a variety of settings and in the Blue Ridge mountain playhouse. Support facilities for the 370-seat Parkway Playhouse include dormitories, faculty/staff apartments, and a rehearsal hall. Workshops with a variety of guest artists provide an outreach into the professional world, and highly focused individual attention from faculty and staff makes this a perfect opportunity for personal reflection and growth.

### The Walter Clinton Jackson Library

A modern 10-story building, Jackson Library has a shelving capacity of approximately a million books, an area of 220,174 square feet and seating capacity for 2,400 students.

The current library holdings now number over 1,700,000 items, including 360,000 federal and state documents and 650,000 items in microtext. It subscribes to approximately 6,500 newspapers, periodicals and other serials. The library's open shelves provide a generous selection of reference books, bibliographies, periodicals and books reserved for class assignments. The air-conditioned structure includes reading rooms, carrels and study areas in the stack sections, seminar rooms and a large lecture hall seating 372 persons.

Special collections include the Homan's Collection in Physical Education (acquired from Wellesley College); the Silva Music Collection; the Randall Jarrell Collection of manuscripts, tapes and books; the Lois Lenski Collection; the Woman's Collection; collections devoted to the history of dance, the book as an art form, and modern private presses; and a notable collection of rare books.

The library is a depository for the archives and for material relating to the history of UNC-G and is a selective depository for U.S. government documents. It also houses large spoken word and leisure listening music record collections. Specialized services offered by the staff include orientation tours, instruction in how to use library resources and computer searches of information on specific topics.

In addition to its own book collection, the library is able to borrow, by means of inter-library loan, material from other

libraries for faculty and graduate research. Through a cooperative lending agreement with the other fifteen campuses of the University, and with Duke University and Wake Forest University, faculty members and graduate students may borrow books directly from the libraries of those institutions using a privilege card issued by the Circulation Department of Jackson Library.

All students cross-registered in the Greensboro Regional Consortium for Higher Education have direct lending access to the libraries in these institutions. Those not cross-registered may borrow directly from the other libraries for specific projects by application through the library at their home institution.

### Learning Resources Center

The purpose of this center is to provide instructional support for students and faculty at UNC-G. Services are divided into three main areas—Electronic Technical Services, Media Services, and Production Services.

Electronic Technical Services, located in Room 9 of the Business and Economics Building, provides maintenance for all instructional equipment. In addition, equipment may be modified or built for specialized instructional purposes.

Media Services, located in McNutt Building, provides a variety of support services to both faculty and students.

1. Equipment of all types is available to both students and faculty for instructional purposes.
2. College level materials include 16mm films, filmstrips, video tapes, instructional modules, and slide sets. A K-12 collection of both print and non-print materials is also available for use by faculty and students. Some of these materials may be restricted to in-house use.
3. Facilities include equipment and space for individualized instruction, micro-taping, use of video cassette equipment, an equipment instruction/materials production laboratory, and an audio-recording laboratory.

These services will be limited to the availability of equipment, materials, facilities, and personnel.

Production Services provides support for faculty in the instructional program. Included in this area are graphic and photographic production, located in the basement of North Dining Hall, and audio and video production located in the McNutt Building.

### Women's Resource Center

The Women's Resource Center provides resources for students, faculty, staff, and alumni who are concerned with women's achievements and leadership and with the changing roles of women and men. Its primary responsibilities are to coordinate activities of existing programs for UNC-G women faculty, staff, and students; to develop a library of resources and referrals to aid in promoting women's leadership; and to plan programs to complement and supplement current activities focusing on women's achievements and concerns. The Center's library and referral services are located at 214 Mossman Building.

### Piney Lake Field Campus

Piney Lake, located eight miles south of Greensboro, is a 44-acre field campus used by UNC-G students, faculty and staff



members for outdoor recreation. Facilities include two lakes for swimming, boating, canoeing, sailing and fishing; a picnic pavilion and recreation area for volleyball, table tennis, badminton, horseshoes and sunbathing; and a lodge and eight sleeping cabins capable of accommodating 64 people. The field campus is also used by the School of Health, Physical Education, Recreation and Dance for instructional programs in camping and outdoor/environmental education and by other departments and schools for instructional work in outdoor laboratories.

#### On-Campus Recreational and Instructional Facilities

These include a gymnasium, weight and exercise room, a fitness course, athletic training facility, an indoor swimming pool, dance studios, a nine hole golf course, eight lighted tennis courts and playing fields for soccer, field hockey, lacrosse, softball, football and rugby.

#### Computation Centers

The computation facilities consist of two separate Centers.

The Administrative Computer Center facilities include a high end VAX-11/780 computer system dedicated to administrative computing. The system hardware consists of 8 million characters of memory, 2 high speed line printers, 2 high density (6250/1600 BPI) tape drives and 2700 million bytes on-line disk storage. A total of 72 ports is supported in administrative offices. In 1985 school year, the Administrative Computer Center facilities will be upgraded to a Cluster VAX environment with 2 VAX-11/780's with 8 million characters of memory on each node and number of ports will be increased to a total of 80. An integrated Management Information System has been developed with combination of Center software developed with up-to-date application development tools and software vendor application packages.

The Academic Computer Center provides batch-processing and interactive computer services for students and faculty.

The VAX 11/780 computer (from Digital Equipment Corporation) installed in the Center's main facility at 235 Business & Economics Building is accessible through over eighty interactive terminals placed at convenient locations on the campus. The powerful computer system (IBM) of the Triangle Universities Computation Center (TUCC) is also accessible through the Center to supplement the extensive local hardware and software facilities.

The facilities of the Academic Computer Center are dedicated to instruction and research. Students, regardless of their enrollment in computer-related courses, and faculty are encouraged to become familiar with the Academic Computer Center and to use its facilities.

#### Weatherspoon Art Gallery

Named for Elizabeth McIver Weatherspoon, the gallery's primary function is to offer exhibits which bring students and faculty into direct contact with examples of quality art from the past and present. It also serves as a showcase for the work of UNC-G students and faculty. In so doing, it exposes the UNC-G community and the greater Piedmont North Carolina community to both traditional and experimental art in all media.

Weatherspoon has gained a national reputation for its annual Art on Paper Exhibitions, which are sponsored by

Dillard Paper Company of Greensboro.

The gallery also owns a permanent collection of works, primarily 20th Century paintings, sculpture and graphics. Included are Willem de Kooning's painting **Woman 1950**, Henri Matisse's bronze sculpture **Madeleine**, Elie Nadermans' bronze **Standing Female Nude**, Alexander Calder's mobile **Yellow Sall**, Matisse's bronze **Head of Pierre** and a substantial number of acquisitions from the Art on Paper exhibitions. Weatherspoon is also developing a sculpture garden.

#### Television and Radio Studios

The William D. Carmichael, Jr. Television Studio Building includes two TV studios, rooms for projection and film editing plus darkrooms and engineering areas. It provides laboratory facilities for student work and allows students to participate in television production, acting and programming.

WUAG, the UNC-G radio station, is student operated under joint supervision of the Communication and Theatre Department and the Office of Student Affairs. Its purposes are to entertain and inform students about events on campus and in the community and to provide radio experience for those interested in broadcasting.

#### Alumni House

Described as "a link, actual and sentimental, with the beginnings" of the University, Alumni House stands on the site of Guilford Hall, one of the four original buildings on campus. Completed in 1937 at a cost of nearly \$160,000, the colonnaded structure follows the architectural style of Homewood, the Charles Carroll mansion on the campus of Johns Hopkins University.

Alumni House provides rooms for receptions, parties and meetings for the University community. It also houses the Alumni Association Office, the Development Office, and the Office of Information Services.

#### Elliott University Center

The student union building, Elliott University Center, was built in 1953 and enlarged in 1968. It is described further on page 15.

#### Other Facilities

Words and pictures alone cannot do justice to UNC-G's facilities. Stop reading and schedule a tour of the UNC-G campus. The Office of Admissions will be happy to arrange this. Be sure to look in on the School of Home Economics nursery schools, modular day care center and home management houses; the micro-teaching laboratories in the School of Education; and the greenhouse, cytogenetics laboratory and environmental chambers operated by the Department of Biology.

The Office of Admissions is located in the Mossman Building on Spring Garden Street.

#### Development Support

UNC-G's **Development Office** seeks financial support from private sources in an effort to enrich the total educational program at UNC-G. The Development Office coordinates those activities related to advancing public understanding and support of the institution. These responsibilities include



public relations, fund raising and alumni affairs.

The **Office of Information Services** is the University's official public information agency. In addition, services in publications, public relations and photography are furnished by the Office. As the University's public information agency, the Office provides news coverage to increase the public's awareness and understanding of UNC-G's programs in teaching, research and public service. In addition, the Office coordinates press coverage, sets up press conferences and provides related services in public information and public relations.

**University Annual Giving.** Created in 1975 and approved by the UNC-G Board of Trustees that same year, University Annual Giving seeks private financial support for the University from a wide variety of sources to provide assistance in meeting a broad range of needs not covered by state appropriations. Trustees, alumni, faculty and staff, foundations, parents and other friends of UNC-G are asked to make annual contributions to the University to help meet these needs. University Annual Giving provides support for scholarships, student loans and many other valuable enrichment programs. In 1983-84, 23% of UNC-G's alumni made contributions through University Annual Giving, ranking UNC-G among the nation's top twenty public institutions for percentage of alumni support.

**Alumni Association.** Organized in 1893 and incorporated by the General Assembly of North Carolina in 1909 to promote education, advance the interests of UNC-G and encourage cooperation of alumni in the work of the University and the Association. The Association also publishes the **Alumni News**.

### Friends of UNC-G

UNC-G is not an academic ivory tower apart from the community and world around it. Business groups, individuals, alumni, the Greensboro community and friends of the University throughout North Carolina give to and receive from UNC-G in a realistic, academically health exchange of ideas, resources and programs.

UNC-G's continuing education programs, special seminars, University Concert/Lecture Series and student productions and concerts receive community patronage and enthusiastic support. In addition, business and civic leaders and interested individuals join forces with UNC-G to provide internships, scholarships for deserving students and funds to enrich UNC-G's various programs.

Among UNC-G's friends and supportive groups are the following:

**Friends of the Library.** Organized in 1959 to help present the mission and needs of the library to the people of North Carolina. Special projects include enriching the book collection and the nationally recognized Woman's Collection, bringing speakers to campus and providing library services to the entire community.

**Weatherspoon Gallery Association.** Organized in 1942 and expanded in 1964 with the formation of the Weatherspoon Guild. Objectives are to stimulate interest in art, assist with exhibitions and offer financial support for the permanent collection of contemporary art, recognized as the most outstanding in the Southeast.

**Angels of the UNC-G Theatre.** Organized in 1960 by alumni and friends to assist in UNC-G productions and to provide financial assistance for talented students in theatre.

**UNC-G Musical Arts Guild.** Organized in 1972 to promote the School of Music by encouraging attendance at concerts, aiding in the development of scholarships and assisting with musical programs and projects and the purchase of recordings and specialized equipment.

**Home Economics Foundation.** Organized in 1946 as a charitable, nonprofit educational corporation to aid and promote, through financial assistance and other means, all types of education and research, both undergraduate and graduate, in the School of Home Economics. Present endowment is slightly over \$987,000.

**The UNC-G Excellence Foundation.** Organized in 1966 by 42 business and civic leaders in Greensboro "to aid and promote, by financial assistance and otherwise, excellence in higher education, service and research at UNC-G." More than \$4,279,000 has been contributed to the fund which supports six Excellence Foundation professorships, fellowships and other University endeavors.



# Student Life



## Student Life

There is no "typical" student life at UNC-G. It depends on the individual, his choices, interests and energy.

This chapter outlines briefly some of the opportunities available to the UNC-G students—opportunities in and out of the classroom and beyond the campus.

### Academic Opportunities

From accounting through western civilization, undergraduates have a choice of some **89 areas of study** from which to select a major or a concentration within a major.

**Seven undergraduate degrees** are offered: Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science, Bachelor of Science in Home Economics, Bachelor of Science in Nursing and Bachelor of Science in Medical Technology.

If none of these degrees or majors satisfies your needs, you have the opportunity through a special curriculum program called **Plan II** to design your own program of study. See the Curriculum Chapter for details on Plan II. UNC-G's degrees, majors and concentrations are discussed in the Areas of Study Chapter.

**More than 900 courses** are available each semester. However, if there are courses you want to take which are not offered at UNC-G, you may cross-register for courses at Bennett, Greensboro, Guilford, High Point and Guilford Technical Community colleges and at North Carolina Agricultural and Technical State University thanks to UNC-G's membership in the **Greensboro Regional Consortium for Higher Education**. Consult the Office of the Dean of Academic Advising for those courses which transfer to UNC-G.

**The UNC-G and North Carolina Agricultural and Technical State University Agreement** has provided open access to courses on both campuses since 1971. Consult the Office of the Registrar for details concerning both programs.

You have the opportunity through special examinations to exempt degree requirements and earn advanced placement credit. If you qualify under the regulations outlined on page 70, you may take graduate courses during your senior year and receive credit toward a master's degree.

**Special academic programs** include the Residential College, Honors Program, Interdepartmental Studies (Black Studies, Gerontology, International Studies, Linguistics, Population Studies, Russian Studies, Urban Studies, Women's Studies and World Literature), Preprofessional Programs and Study Abroad. For details, see the Areas of Study Chapter. Independent study, tutorials and internships are available in most schools and departments. These are listed in the course descriptions.

### Beyond the Classroom

The world beyond the classroom is as fascinating and fundamental in a student's education as the classroom experiences. Harriet Elliott, Dean of Women from 1935 to 1947, was a firm believer in coordination of those academic and extracurricular activities. Her basic philosophy of "continuous education . . ." learning through all activities . . . is still the fundamental principle in the planning and operation

of campus students union programs whether they are held within the walls of the Elliott Center or at various locations throughout the campus.

### Elliott University Center

The University Center was opened in 1953, enlarged in 1968 and will be extensively renovated and enlarged in the near future. These alterations to the size and interior spaces of the Center reflect its continuing role as an active and exciting part of campus community life. The Center provides space for many student organizations including Student Government, campus media and various other activity groups as well as the campus bookstore. Dining facilities range from serve-yourself vending machines to full-service restaurant facilities.

Students expressing responsible freedom learn through participation in the planning and execution of the Center's programs. Art exhibits, films, concerts, lectures, parties, dances, innovations such as a seven-foot television screen for viewing special events and an extensive, computerized information network consisting of The Campus Source, the BNN Electronic News and video monitors at each entrance represent only a segment of the Center's offerings to the campus. Services as varied as providing lockers for commuting students, selling tickets for various events on or off campus and providing information on campus events are just another part of Elliott University Center's daily operations. In addition, the Center provides a Game Room equipped with the latest in game machines and billiards. A Sweet Shoppe satisfies the hunger for sweets. Postage stamps and change are available from a vending unit adjacent to the Sweet Shoppe; and a Teller II is located on the Lower Level of the Center. Those in the University community can find information, activities or simply a place for relaxation within the Center.

### The University Concert/Lecture Series

The University Concert/Lecture Series brings exciting and innovative programs in the performing arts to the campus. During the 1984-1985 season outstanding performances were presented by such renowned artists as Louisville Ballet, Wynton Marsalis, Atlanta Symphony, Chick Corea, Boston Symphony Chamber Players and The Acting Company.





## Student Performing Groups

For students interested in the performing arts as well as for student and community audiences, UNC-G provides these opportunities.

**Musical Organizations** include the University Chorale, Chamber Singers, Show Choir and Symphonic Chorus for mixed voices; the University Women's Choir and University Men's Glee Club; the New Music Ensemble, the University Symphony Orchestra, University Concert Band, University Wind Ensemble, Jazz Ensembles and Collegium Musicum. Each semester chamber ensembles for instrumentalists are organized. Musical organizations are open to all University students by audition.

**The University Dance Company** provides performance opportunities for graduate and undergraduate students who demonstrate technical abilities in dance. The Company's activities include on-campus and touring concerts for adult and youth audiences. Its repertoire consists of classical and contemporary ballet and traditional and experimental modern dances choreographed by dance faculty, students and well-known dance artists.

**University Theatre Programs.** The Theatre Division of the Department of Communication and Theatre has seven production programs.

Four major plays are included in the **UNC-G Theatre** program produced in the Theatre in Taylor Building, Aycock, or dinner theatre style in Elliott University Center. Directed by faculty, these plays provide a major showcase of student design and acting talent.

The **Master Production Series** features three or four plays directed by M.F.A. candidates in Curry Auditorium.

An average of 35 plays and scenes are produced each year in the **Studio Theatre**. These plays are designed, directed, and performed by students with faculty supervision.

Three major plays for children are produced in the Theatre in Taylor Building by the **Theatre for Young People**. The **North Carolina Theatre for Young People Professional Touring Company** tours one of these plays each spring semester.

UNC-G Summer Theatre produces a series of plays each May which are presented on campus during June and July as the **Summer Repertory Theatre**, and at **Parkway Playhouse** in Burnsville, N.C., in July and August. The program is staffed by advanced students, faculty, and professional guest artists and includes both musicals and plays. The Theatre Division and the School of Music work together in the production of a musical and an opera each year, and the Theatre Division contributes support to the Dance Division of the School of Health, Physical Education, Recreation and Dance in the production of two Dance Concerts each year.

**Media Workshops** provides an informal program through which students may explore film and video topics and projects. Speakers and/or field trips are scheduled once a week during fall and spring semesters. Students interested should call the Director of the Broadcasting/Cinema Division (379-5360).

**Media Club** is open to all students enrolled at UNC-G. Funds provided by Student Government give students opportunities to engage in cine-video production as needed around the campus. Programming for the EUC closed video system is one example of an activity constantly requiring many types of talent.

## Clubs, Organizations and Athletics

Coupled with social, cultural and performing opportunities on and off campus are a wide variety of clubs and organizations.

**Student Government.** Authorized by the UNC-G Board of Trustees and faculty, the Student Government (SG) is another form of continuous education in action. SG is UNC-G's way of implementing the idea that self-government is appropriate for mature students. Operating with a constitution written and accepted by students, it represents an effective means through which students share with the administration and faculty the responsibility for creating and maintaining an atmosphere conducive to total education of the student. SG is represented on faculty-administrative committees that are concerned with current evaluations of academic, social and student welfare policies.

There are three divisions of the student government: the Judicial, the Legislative and the Executive, each serving in its particular capacity. It is understood that to the faculty and the administrative officers of UNC-G is reserved the handling of such matters as affect academic questions, matters relating to the health of the UNC-G community, the control of property and special cases of discipline which are outside student jurisdiction.

Consult the **Student Handbook** for information about SG honor policy, social regulations and judicial policy.

**Student Media.** These include **The Carolinian**, UNC-G student newspaper, issued once a week; **The Coraddi**, a literary magazine; and **WUAG-FM**, the student radio station.





## UNC-G Clubs and Organizations

The following is a list of the many various groups and organizations on campus. Please consult the Student Handbook for detailed descriptions and membership information on formally recognized student organizations and activities. This list is not all-inclusive and represents only those organizations recognized during the 1984-85 academic year. The UNC-G Board of Trustees prohibits any secret organizations on campus.

### Honorary Societies

Alpha Delta Mu (Social Work)  
 Alpha Kappa Delta (Sociology)  
 Beta Alpha Psi (Accounting)  
 Beta Beta Beta (Biological Sciences)  
 Beta Gamma Sigma (Business)  
 Delta Pi Epsilon (Business)  
 Eta Sigma Gamma (Health Education)  
 Golden Chain (Campus honorary society recognizing leadership, scholarship and service)  
 Mu Phi Epsilon (Music Honorary)  
 Omicron Delta Epsilon (Economics)  
 Omicron Nu (Home Economics)  
 \*Phi Beta Kappa (liberal studies including liberal B.S.)  
 Phi Mu Alpha Sinfonia (Music)  
 Pi Delta Phi (French)  
 Pi Kappa Lambda (Music)  
 Pi Mu Epsilon (Mathematics)  
 Psi Chi (Psychology)  
 Sigma Delta Pi (Spanish)  
 Sigma Theta Tau (Nursing)  
 University Marshals  
 \*UNC-G is one of only five higher education institutions in North Carolina approved to have a chapter of Phi Beta Kappa

### General Organizations

Association for Women Students  
 Association of Handicapped Student Awareness  
 Commuting Student Association  
 Elliott University Center Council  
 Gay Lesbian Student Association  
 International Students Association  
 Masqueraders  
 Media Production Club  
 Neo-Black Society  
 North Carolina Student Legislature  
 Outing Club  
 Residence Hall Association  
 Science Fiction Fantasy Federation (SF<sup>3</sup>)  
 Society for Creative Anachronism  
 Students Concerned for Central America

Student Government  
 Executive Branch  
 Legislative Branch  
 Judicial Branch  
 UNC-G College Republicans  
 University Graduate Student Council

### Departmental Clubs/National Societies/Professional Groups

AA  
 Accounting Association  
 AI-Anon  
 American Association of Textile Chemists and Colorists  
 American Home Economics Association  
 American Production and Inventory Control Society  
 American Society of Interior Designers  
 Anthropological Association  
 Association of Nursing Students  
 BACCHUS  
 Dance Company  
 Delta Sigma Pi (Business)  
 English Club  
 Food and Nutrition Club  
 Finance, Insurance and Real Estate Society  
 Graduate Students in Counseling and Guidance  
 History Club  
 International Association of Business Communicators  
 Library Science/Educational Technology Graduate Student Association (LS/ET)  
 MBA Association  
 Narcotics Anonymous  
 National Association of Social Workers  
 Philosophy Club  
 Physical Education Graduate Society  
 Physical Education Majors Association  
 Political Science Student Association  
 Recreation Society  
 Society for Physics Students  
 Sociology Club  
 Student Art Educators Association  
 Student National Education Association (SNCAE)  
 Student Program and Policy Committee-Home Economics  
 UNC-G Chapter of Student Music Educators National Conference  
 UNC-G Pre-Med Society  
 Women in Business

### Music Performance Organizations

Collegium Musicum  
 Men's Glee Club  
 Show Choir  
 String Orchestra  
 Symphonic Chorus  
 University Chorale

University Symphony Orchestra  
 University Women's Choir

### Fraternities (Inter Fraternity Council)

Alpha Phi Alpha  
 Kappa Alpha Psi  
 Lambda Chi Alpha  
 Pi Kappa Phi  
 Sigma Nu  
 Sigma Phi Epsilon  
 Sigma Tau Gamma  
 Tau Kappa Epsilon

### Publications/Media Organizations

University Media Board  
 The Carolinian  
 Coraddi  
 WUAG-FM Student Radio

### Religious Organizations

Alpha Omega Christian Fellowship  
 Alternative  
 Bahai  
 Baptist Student Union  
 Campus Crusade for Christ  
 Christian Science Organization  
 Hillel  
 Inter-Varsity Christian Fellowship  
 Latter Day Saints  
 New Testament Student Ministries  
 Presbyterian House  
 St. Mary's House (Episcopal)  
 University Catholic Center  
 Wesley-Luther House (Methodist-Lutheran)

### Service Organizations

Alpha Phi Omega (National Service Fraternity)  
 Campus Scouts of UNC-G  
 Gamma Sigma Sigma (National Service Sorority)  
 UNC-G Jaycees

### Club Sports

Baseball Club  
 Fencing Club  
 Ice Hockey Club  
 Karate Club  
 Rugby Club (Men's)  
 Running Club

### Sororities (Inter Sorority Council)

Alpha Chi Omega  
 Alpha Delta Pi  
 Alpha Kappa Alpha  
 Chi Omega  
 Delta Sigma Theta  
 Phi Mu



## Fraternities and Sororities

The Greek system at UNC-G offers students a channel for social growth and organizational leadership, drawing strength from its own diversity. For those students who wish to pursue membership, the fraternities and sororities at UNC-G offer a positive educational and social experience and provide an extra dimension to campus life.

Administration of the Greek system is conducted through the Office of the Dean of Students in Elliott Center. For further information about sororities and fraternities, please contact Bruce Harshbarger at 379-5800 or speak with officers of the individual organizations. A full list of these organizations is included on page 17.

## Athletics

**Intercollegiate Athletics.** The University through the Department of Intercollegiate Athletics fields four men's and four women's teams:

- Men's Soccer
- Women's Volleyball
- Men's & Women's Basketball
- Men's & Women's Tennis
- Men's Golf
- Women's Softball

UNC-G participates in the highly competitive Dixie Intercollegiate Athletic Conference for both the men's and women's programs.

The Athletic Department promotes the University's philosophy of a student-athlete through its affiliation with the NCAA Division III.

The goal of the Athletic Department is to offer a competitive schedule regionally while striving toward national recognition. Men's Soccer, Women's Volleyball, Basketball and Tennis have all been involved in postseason NCAA championship play. Men's Soccer won National titles in 1982 and 1983. Women's Basketball and Tennis finished second in national competition in 1982 and 1983 respectively.

## Campus Recreation

The Office of Campus Recreation coordinates the intramural sports program and offers a variety of recreational opportunities for students, faculty and staff.

Intramural sports for men and women include volleyball, basketball, billiards, bowling, flag football, golf, softball, swimming, table tennis, tennis, track and field, tug-o-war, and soccer. In addition, coeducational opportunities are offered in bowling, golf, tennis, volleyball, and softball. Special events such as a Jitters Jog, a Sports Trivia Bowl, and a Fantastic Feats for Fools weekend are offered "just for the fun of it."

The recreation facilities are available for informal recreation when they are not scheduled for instruction or athletics. Equipment such as balls, bats, gloves, picnic kits, frisbees and roller skates may be checked out from the Campus Recreation Office with a student or faculty ID.

Club activities are offered for interested groups of students in fencing, karate, clogging, baseball, ice hockey, men's rugby, swimming, and running. Instructional clinics are offered as interest warrants. Recent clinics have focused on weight training, self defense and setting up a personalized fitness program.

## UNC-G Calendar Excerpts 1985-86

The following list represents only a portion of the activities scheduled on campus during 1985-86.

FOCUS on UNC-G (Pre-Orientation program for prospective students)

UNC-G Theatre	Fredrica vonStade
Gary Burton	Andre-Michel Schub
Blacks Arts Festival	National Theatre of the Deaf
Travelogue Series	Video Programming
Netherlands Dance Theatre	Scholastic Art Awards
North Carolina Symphony	UNC-G Studio Theatre
Homecoming	College Bowl
Luminaire Display	Family Weekend
UNC-G Symphony Orchestra	Singfest

## Beyond the Campus/ Greensboro, N.C.

Greensboro lacks the charm of a quaint, little college town, but it offers other advantages which you may find more meaningful.

For one thing, life in Greensboro does not center around UNC-G, nor for that matter around the other four colleges or universities within its city limits (Bennett, Greensboro and Guilford colleges and the North Carolina Agricultural and Technical State University). Greensboro has a full cultural, recreational and sports program of its own over and above what is available on each of the campuses.

It has its own Symphony Orchestra, Community Theatre, Lyric Theatre, Civic Ballet, Chamber Music Society and Oratorio Society. Each summer the Eastern Music Festival, a summer music camp for youngsters held here, presents a six-week concert series featuring the festival's faculty, outstanding guest artists and EMF students.

The Greensboro Coliseum Complex, which includes a coliseum, exhibition hall, auditorium and town hall, is the largest city-owned coliseum in North America. Throughout the year, it presents touring Broadway theatre groups, top-name entertainers, ice shows, circuses and fairs along with a full calendar of sports events.

For basketball fans, the coliseum presents many Atlantic Coast Conference games as well as the ACC tournament some years.

The Greensboro Jaycees annually stage the Greater Greensboro Open (GGO), which boasts one of the largest purses on the professional golfing tour.

Recreational facilities include public and private golf courses, tennis courts and swimming pools. Dove, quail and deer hunting areas are nearby. Lake Brandt and Lake Higgins, city-owned reservoirs, are open to the public for fishing, boating and duck hunting. Hagan-Stone Country Park provides fishing, boating, picnic, horseback riding and swimming facilities. The Greensboro Country Park includes a city zoo, and natural science center with a planetarium as well as two lakes, picnic shelters and a miniature railroad.

If this is not enough, North Carolina's eight ski resorts are an easy two-hour drive away, and the beaches of North and South Carolina are about five hours away.

## Services to Students



# Services to Students

## Orientation of New Students

The Office of The Director of Orientation coordinates a variety of programs which bring together faculty, administrators and upperclass students to welcome new students to our campus and to assist with the transitional process into our UNC-G community. Programs have been designed to meet the needs of traditional, non-traditional, minority and disabled students. Orientation activities include academic advising and registration of classes along with tours of the campus, informal discussion groups with faculty and general information sessions facilitated by upperclass students.

Students entering UNC-G in the Fall semester are invited to participate in a summer program which occurs the latter part of June and a Fall program which takes place a few days prior to classes beginning in August. Likewise, orientation programs are planned for students entering in January a few days prior to the onset of classes for the Spring semester.

## Academic Advising

See Academic Regulations Chapter.

## Vice Chancellor for Student Affairs

The Vice Chancellor for Student Affairs, Assistant Vice Chancellor for Student Affairs, and Dean of Students are administrative officers of UNC-G concerned with the quality of student life and the availability of meaningful experiences on campus. However, an important part of their jobs involves working with, listening to and counseling students. Students are encouraged to take advantage of the open door policies and to talk with these University officials about problems, interests or grievances. Residence hall and assistant directors are also available in residence halls for assistance or referral.

## Counseling and Testing Center

The Counseling and Testing Center provides a professional counseling service aimed at helping students gain a better understanding of themselves and their opportunities. No fees are charged for counseling, and no faculty or staff referral is needed for an appointment.

Three types of services are offered:

1. Personal counseling and psychotherapy. All consultations are confidential and do not become a part of the student's records.
2. Vocational counseling. This includes tests and inventories which may help identify aptitudes and interests.
3. Testing. The National Teacher Examination, Miller Analogies Test, CLEP and the Graduate Record Examination are among the various tests given by the center.

## Student Health Service

The Student Health Service has as its aim the maintenance of good health among all members of the UNC-G community. To reach this objective, work is necessarily of two types: one, preventive and two, therapeutic.

Several types of preventive measures are taken. A medical history, certain immunizations and a tuberculin test are required for each admitted student. In order for the Student Health Center staff to offer the best support possible while at UNC-G, it is also strongly recommended that students have their personal physician provide specific information concerning any medical (physical) or mental health problems and that recommendations regarding any restrictions, limitations or follow-ups deemed necessary be furnished. The medical report is carefully reviewed by the health service physicians and, when requested by the family physician or when an existing physical condition requires it, regular follow-up examinations are done by the medical staff. The primary objective of our Health Education staff, working in conjunction with the entire medical team, is to promote "wellness."

The care of students who are ill, which is the second major responsibility of the Health Service, is centered in the Anna M. Gove Student Health Center. Here, with a staff of five full-time physicians, two part-time psychiatrists, 10 graduate nurses, 1 licensed practical nurse, 1 nurse practitioner, 1 health educator, two laboratory technicians, an x-ray technician, and a part-time pharmacist in attendance, most medical and minor surgical cases are given complete care. Major surgical and complicated medical cases must be referred to a hospital or specialist not directly connected with UNC-G. Comprehensive medical and surgical **insurance** to provide partial payment for medical services and hospitalization not available in the Student Health Center itself is **strongly advised**. Those students not covered under family or individual policies should consider the optional group policy made available to UNC-G students.

Students who have paid the Health Fee get unlimited out-patient visits, in-patient services, many lab services and most medications without any additional charge; and they are charged wholesale rates for x-rays, some medications and outside lab work.

Students who are not required to pay the Health Fee may elect to pay it or may utilize the services on a strictly fee for service basis. In other words, these students will be billed for every service in much the same way that their private physician at home charges them.

Medical records are confidential and will be maintained on individual students for a minimum period of ten years following graduation or cessation of school for any reason.





### University Speech and Hearing Center

Students with speech, language, voice, and/or hearing problems may receive evaluation and therapy from the Speech and Hearing Center operated by the Communication Disorders Division of the Department of Communication and Theatre.

### Women's Resource Center

For information on the Women's Resource Center, see page 11.

### Special Services Program

Special Services is an educational support program sponsored by the U.S. Department of Education and UNC-G.

The Program, designed to improve academic performance, offers a variety of services including supplementary instruction in writing and mathematics for English and mathematics courses, a skills lab employing reading and study skills improvement, tutoring in a variety of subjects, academic advising and career and personal counseling. Services are tailored to individual need. Enrollment usually occurs during the freshman year but can occur during any undergraduate year for eligible students with continuing access to services until graduation or entrance to graduate school. Special services are also available to handicapped students.

### International Student Adviser

The International Student Adviser helps students function effectively in their new environment. The adviser provides counseling services to ease cultural transition, facilitates dealings with the Immigration and Naturalization Service, and refers international students to appropriate University and community resources as needed.

### Financial Aid

See Financial Aid Chapter.

### Career Planning and Placement Center: CPPC

The CPPC assists students and alumni with career planning and with securing employment. Any student or alumnus who wants to talk with a career counselor about his or her career plans may make an appointment or utilize walk-in hours. Career counselors assist students and alumni in deciding their major, assessing their skills and interests, exploring information about jobs, arranging informational interviews, internships or summer jobs, critiquing resumes, developing employment interviewing skills and determining job hunting strategies. CPPC presents a variety of career-related workshops either sponsored by the center or an on-campus group. The CPPC also makes available a library of resources related to careers and job seeking, including information about specific employers, salary trends, the job market and graduate and professional schools. Students and alumni may utilize the career expertise of UNC-G alumni through the Alumni Career Network.

The Career/Life Planning course, EDU 210, offers 3 hours credit as an elective for any undergraduate student. Through this course students will gain greater awareness of self, learn of career opportunities, develop skills in decision-making and job hunting.

Another component of CPPC is the Job Location and Development Program, a service to aid students in locating off-campus employment while enrolled in school. Information regarding summer jobs, internships and some volunteer opportunities is available in the JLD office. A full-time counselor coordinates the Program.

The following additional services are available to seniors, candidates for advanced degrees (in their last year of study) and alumni:

1. The CPPC sends to registered students and alumni information about specific job opportunities which meet the candidate's geographical and career field preferences and for which the candidate is qualified to apply.

2. Representatives from business, industry, government and public school systems come to the CPPC each year to interview UNC-G students and alumni for prospective openings. Graduate school representatives also come to discuss admissions policies and program options with those who are interested.

3. Each registrant has the opportunity to request faculty members and/or employers to submit recommendations directly to the CPPC. The materials are kept in the registrant's credentials file, and photocopies are made available to employers or to graduate school admissions offices at the request of the registrant.

Registration with the CPPC is voluntary. The CPPC is located on the second floor of the Foust Building.

Information is available, upon request, in the Career Planning and Placement Center regarding employment status of recent UNC-G graduates who have registered with CPPC.





### Office for Adult Students

A counselor is available to assist adult men and women who wish to begin, resume, enrich or supplement their higher education. Undergraduate admissions assistance, advising of special and non-degree undergraduate students, study guidance and other services and referrals are offered.

### Campus Ministers

Six religious denominations maintain student centers near the campus. Each has a campus minister available for personal counseling. Consult the **Student Handbook** for details. A list of religious organizations may be found on page 17.

### Office for Minority Affairs

The Office for Minority Affairs was created in the Fall of 1979. It is involved in coordinating a multitude of administrative and counseling functions and is responsible for developing, coordinating and supplementing programs affecting minority students at the University. These programs and activities seek to facilitate the involvements of minority students in the total University community. A further objective is the development and maintenance of professional relationships with other departments, personnel and parents toward the end result of aiding minority students to cope with academic, social and

vocational aspects of the University experience. The Office serves as an advocate for minority students assisting the Dean of Students in identifying and alleviating problems and concerns that may hamper academic and personal development.

### Veterans Affairs

Veterans enrollment certification is handled by the Office of the Registrar.

UNC-G is on the approved list of institutions which can provide training under the Veterans Administration Educational Training Program. A veteran wishing to receive educational benefits should apply first to the Veterans Administration for a Certificate of Eligibility. The student then applies for admission to UNC-G through normal admissions procedures. The issuing of a Certificate of Eligibility by the VA does not automatically assure a student of admission to UNC-G.

When enrolling at UNC-G, the veteran should present his Certificate of Eligibility to the Registrar and request him to send certification of his enrollment to the VA. This Certification of Enrollment is necessary before educational benefits can be received. Certification of Enrollment must be requested each year and again in summer school.



## Housing and Campus Regulations



# Housing and Campus Regulations

## Housing

All UNC-G students have the option of selecting housing on or off campus. Undergraduate students living in a residence hall must carry 12 hours of course work. Under some special circumstances a student carrying fewer than 12 hours may be given permission by the Director of Residence Life to live on campus.

### On-Campus Housing

There are 22 residence halls on campus providing accommodations for male and female students. Students desiring residence hall accommodations may indicate their choices of residence halls and roommates. In making room assignments, student requests are honored whenever possible. Students may request a space by giving the Residence Life Office a completed Confirmation of Residency Card, a completed Application-Contract for Housing and Food Service, and a \$150.00 Partial Housing Payment and Security Deposit. The Partial Housing Payment and Security Deposit consists of a \$100.00 prepayment for the spring semester and a \$50.00 security deposit.

UNC-G houses students without regard to race, creed, color or national origin.

Each residence hall is staffed with part-time directors who are graduate students. In addition, all residence halls have on each floor one or more resident assistants who are undergraduate students. Selected student staff conduct activities within each hall in accordance with regulations published in the **Student Handbook**.

All residence hall rooms are furnished with beds, dressers and desks. All have common toilet facilities on each floor or wing. Some residence halls are equipped with one or more lounges, recreation rooms, study rooms, laundry rooms, kitchens or kitchenettes and storage rooms for luggage and trunks. All have telephone service on each floor or wing. Students may elect to contract for private telephone service to their rooms. That option must be arranged by the student directly with Southern Bell (Telephone No: 378-7444).

Students provide their own bed linens, blankets, study lamps and curtains. All windows are equipped with venetian blinds and curtain rods.

Detailed descriptive information about rooms (including floor plans and window measurements) and about the types of electrical equipment which may be used in rooms is mailed to students when the room assignment is sent.

### Self-Limiting Hours and Visitation

All students, except students under eighteen, have self-limiting hours and are issued a residence hall entry key. Students under eighteen must have parental permission in order to secure an entry key. Written parental permission must be presented at the time students are issued keys and will be kept on file in the office of the Director of Residence Life. Residence halls are open between 9:00 a.m. and midnight from Monday through Thursday. They are open until 2:00 a.m. on Fridays and Saturdays and until 1:00 a.m. on Sundays. Proper procedures for entering a residence hall after it has closed are discussed in the **Student Handbook**.

Each residence hall determines guidelines within the established visitation policy by ballot at the beginning of each academic semester or summer session. These guidelines pertain to hours and method of implementing the policy.

## Residence Hall Policies

UNC-G reserves the right to make changes in room assignments in order to consolidate space and to transfer students to other residence halls during the school year.

All room assignments are considered final until the first day of classes. Students in residence halls have priority over entering students in selection of rooms. Room rent does not cover occupancy of the student's residence hall room during holidays, semester breaks and other periods of time when UNC-G is not officially in session.

The signing of a housing contract does not automatically assure one of space in a residence hall. Housing agreements are for periods when classes are in session and do not cover holidays, semester breaks and periods when classes are not in session.

Housing agreements are made for the period indicated on the contract. The right to occupy a room terminates as of the contract period. UNC-G reserves the right to require any student whom it finds, after due process, an undesirable tenant to vacate a residence hall room on 48 hours notice. Should a student be dismissed or withdraw from UNC-G, he is expected to vacate his room within 48 hours. The space then becomes available for reassignment by UNC-G.

Students living in residence halls are responsible for damages within their rooms, in hallways adjoining rooms and in public areas. The cost of repairs, as a result of damages occurring in student rooms, will be billed directly to the occupants. Damages occurring in hallways or public areas on a floor will be charged on a pro rata basis to all students on the floor. Damages occurring in public areas such as kitchens, game rooms, lobby, lounge and TV areas, will be charged on a pro rata basis to all students living in the residence hall.

### List of Residence Halls

**North Spencer Hall**/179 women/built 1904, remodeled 1938/named for Mrs. Cornelia Phillips Spencer, one of North Carolina's most distinguished women.

**South Spencer Hall**/145 men and women in coeducational graduate center/built 1904, remodeled 1938/named for Mrs. Cornelia Phillips Spencer.

**Anna Howard Shaw Hall**/100 International House men and women/built 1920/named for the great woman suffragist.

**Gray Hall**/116 women/built 1921/named for Robert T. Gray, member of Board of Trustees of UNC-G from 1900-1912.

**Bailey Hall**/116 men/built 1922/named for T.B. Bailey, member of Board of Trustees of UNC-G from 1902-1916.

**Cotten Hall**/116 women/built 1922/named for Mrs. Sally Southall Cotten.



**Hinshaw Hall**/116 men/built 1922/named for Col. G.W.

Hinshaw, member of Board of Trustees of UNC-G from 1910-1918.

**Laura Colt Hall**/116 men and women/built 1923/named for late secretary of UNC-G.

**Jamison Hall**/116 women/built 1923/named for Miss Minnie Jamison, one of the first students and a long-time member of the faculty.

**Mary Foust Hall**/126 men and women in Residential College/built 1927/named by alumnae in memory of the daughter of the late President Julius I. Foust.

**Gullford Hall**/140 men/built 1927.

**Well-Winfield Hall**/290 women/built 1938/two distinct but connected residence halls giving the appearance of one building/named for Miss Martha Winfield, late professor of English, and Mrs. Mina Weil, benefactress of UNC-G.

**Mendenhall-Ragsdale Hall**/308 women/built 1950/named for Miss Gertrude Mendenhall, charter member of faculty and late head of the Department of Mathematics, and for Miss Virginia Ragsdale, who succeeded Miss Mendenhall as head of the Department of Mathematics.

**Moore-Strong Hall**/350 men and women/built 1960/named for Miss Mary Taylor Moore, late UNC-G registrar, and Miss Cornelia Strong, late professor of mathematics.

**Grogan-Reynolds Hall**/672 women/built 1963/two distinct but connected residence halls giving the appearance of one building/named for Miss lone H. Grogan, alumna and long-time member of the faculty, and for Mrs. Katharine Smith Reynolds, alumna to whose memory the Reynolds Scholarships are a memorial.

**Phillips-Hawkins Hall**/coeducational hall housing 200 men and 200 women/built 1967/named for Charles W. Phillips, former Director of Public Relations, and Mrs. Kathleen P. Hawkins, former Director of the Student Aid Office.

**Cone Hall**/389 women/built 1967/named for Mrs. Laura W. Cone, member of UNC Board of Trustees for over 20 years.

## Off-Campus Housing

All persons or agencies listing off-campus housing with UNC-G must file a Housing Compliance Form which states that they, like UNC-G, house students without regard to race, creed, color or national origin.

Off-campus housing assistance can be located in the Office of Residence Life in Weil-Winfield Hall.

## Campus Regulations in Brief

The UNC-G **Student Handbook** which is distributed to students each year contains all administrative and student-legislated campus regulations. Students are responsible for knowing and abiding by the regulations established for the UNC-G community. Consult the **Student Handbook** for details.

The following is a brief review of some of these campus regulations.

## Vehicles on Campus

**Traffic rules and regulations are in effect 24 hours a day unless signs in an area indicate otherwise.**

Vehicles found in violation of UNC-G traffic rules will be

issued a violation notice with a penalty of from \$2.00 to \$25.00 depending on the violation. Penalties not paid or cleared could result in the issuance of a warrant requiring the presence of the offender in court to answer the charges. Outstanding violations will be charged against the student's account in the Cashier's office. Vehicles deemed to be committing a serious enough violation or accumulating several violations may be towed from campus at the owner's or operator's expense.

Only resident juniors, seniors and graduate students are permitted to keep motor vehicles on campus, provided the vehicles are properly registered with Traffic Records. All commuting students are eligible to purchase parking permits. For motor vehicles other than motorcycles, parking permits are \$42.00 per vehicle per academic year; permits sold during the spring semester are \$28.00; and permits sold during the summer session are \$14.00. For motorcycles, parking permits are one-half the amount indicated for other vehicles.

For students who need a campus parking permit only for evening hours, a permit is available at the same price as motorcycle permits.

(UNC-G reserves the right to make changes in these charges without advance notice.)

## Alcoholic Beverage Policies

North Carolina law prohibits the consumption, purchase or possession of alcoholic beverages by people under 19 years of age. Beer and unfortified wines may be consumed, purchased or possessed by people 19 years old. However, one must be 21 years old to consume, purchase or possess spirituous liquors.

Individual consumption of beer, unfortified wines and/or spirituous liquors is permitted for those of legal age in student residence hall rooms.

## Possession/Use of Narcotics and Other Dangerous Drugs

The use, possession, sale and/or distribution of products such as marijuana, LSD, barbiturates, amphetamines is strictly prohibited, and UNC-G is prepared to take disciplinary action up to and including dismissal of students involved in such practices. Furthermore, because violation of federal and state laws is involved, UNC-G has an obligation to report any information concerning such practices to proper authorities.

## Firearms or Other Weapons on University Property

North Carolina law declares it unlawful for anyone to possess, carry (whether openly or concealed) any gun, rifle or other weapon on property owned, used or operated by a public or private educational institution.

## Policies Relating to Disruption of Educational Process

The complete statement of University Policies, Procedures, and Disciplinary Actions in Cases of Disruption of Educational Process is printed in the **Student Handbook**. It was adopted by the UNC Board of Trustees on October 26, 1970.

**Admission to UNC-G**



## Admission to UNC-G

UNC-G seeks men and women with ability, character, motivation and the intellectual potential to meet UNC-G standards of performance. UNC-G's admission decision is based upon an evaluation of the applicant's high school record and/or college record, including the overall grade point average and SAT and ACT scores. These factors are used to determine the applicant's probability of success at UNC-G.

This policy applies to the admission of freshmen, transfer students, former students and irregular category students. It is administered without regard to sex, age, race, religion, handicap or national origin. (See Appendix B.)

Should the applicant have questions regarding North Carolina residence status, he should refer to Appendix C, page 242.

Overenrollment or State budgetary constraints may require the restriction of admissions during a given year. This may require the adjustment of minimum requirements or the establishment of earlier application deadlines.

Admission to the University does not guarantee admission to certain degree programs. See requirements under specific programs.

Interviews are not used as criteria for admissions decisions, except in the case of those interviews specifically requested by the Office of Admissions. If you have specific questions which you would like to discuss with one of the Admissions Staff, you may schedule an interview by contacting the Office of Admissions at 919-379-5243. The interview should be scheduled at least two weeks in advance of the date you plan to visit the campus. Because of the tremendous demands on the time of the Admissions Staff during registration and advising, interviews are not encouraged in August and December.

### Freshman Admission Program

A "freshman" is defined as a student who is a high school graduate and who has not attended college. Admission into the freshman class implies that the student will eventually become a candidate for a bachelor's degree. A student who has college credit totaling fewer than 24 semester hours from a regionally accredited institution is designated as a "freshman-transfer" and must meet requirements under transfer and freshman admission programs.

### Required High School Preparation

Candidates for admission to the freshman class are required to submit 15 acceptable units\* of credit from an accredited secondary school including the following:

English	4
Foreign language (Two years of one foreign language)	2
Mathematics (Usually 2 units in algebra and 1 in geometry)**	3
Social Science (1 unit in history; 1 unit in either history, economics, sociology or civics.)	2
Natural or Physical Science	1
	<hr/> 12

\*A unit is defined as credit given for a course which meets for one period daily during the entire school year.

\*\*Acceptable mathematics units must be college preparatory mathematics. General mathematics, commercial, vocational and/or business mathematics are not acceptable.

The remaining three units of high school preparation may include additional study in any of the courses or areas above and/or credits in art, Bible, music, speech, home economics, drama, distributive and business education subjects. Not more than three units in vocational subjects (shorthand, typewriting, bookkeeping, home economics) may be accepted. Entrance credit is not granted for subjects carrying less than one-half unit.

Students seeking the Bachelor of Arts with a major in music or the Bachelor of Music degree should have entrance units in music. An audition is required as part of the admissions procedure. Students should write the School of Music for information.

An interview with faculty of the Department of Interior Design is required for selection into the program. The appropriate forms will be enclosed with the letter of admission for students who indicate interior design as their proposed major.

### Special Note:

The minimum undergraduate admissions requirements adopted by the Board of Governors of The University of North Carolina System to begin the fall of 1988 semester:

- A high school **diploma** or its equivalent;
- Four units in college preparatory **English**;
- Three units in **mathematics**, including geometry, algebra I, and algebra II;
- Two units in **social studies**, including one unit in U.S. history and one unit in government and economics; and
- Three units in **science**, including at least one unit in a life or biological science and at least one unit in a physical science, and including at least one laboratory course.
- In addition, it is **recommended** that prospective students complete at least two units in one foreign language, and that they take one foreign language unit and one mathematics unit in the twelfth grade.\*

\*While the Board of Governors **recommends** two units of foreign language, The University of North Carolina at Greensboro **requires** two units of foreign language.





## Entrance Deficiencies

An entrance deficiency exists when a student lacks one of the required units of high school preparation. The deficiency(ies) must be removed within the time limit set by the Office of Admissions.

**Mathematics Deficiencies.** A student who cannot satisfy all the required units in mathematics may be considered for admission if he lacks only one of the units. See "Conditional Admission," page 32.

A student deficient in more than one mathematics unit cannot be admitted. Information about alternative ways of satisfying this requirement may be secured by contacting the Office of Admissions.

**Foreign Language Deficiencies.** A student deficient in one or two foreign language units may be admitted. Information about alternative ways of satisfying this requirement may be secured by contacting the Office of Admissions.

**Other Deficiencies.** A student who is deficient in other required units may be admitted if his credentials are otherwise satisfactory. In such cases, the student is encouraged to remove the entrance deficiency(ies) before enrolling. He must remove the deficiency(ies) before graduation from the University.

## Nonaccredited High Schools

Applicants from nonaccredited secondary schools must meet the same requirements for high school courses and SAT scores as applicants from accredited high schools. These applicants will be admitted provisionally. If after 30 semester hours of course work they do not meet the requirements to continue in the University, their admission will be canceled.

## Application Procedure for Freshmen

**1. Complete the UNC-G application forms.** A \$25.00 application fee must accompany the application. This fee covers the cost of processing the application. It is not refundable and is not applicable toward tuition or other costs.

Early application for admission is suggested. The deadline for submitting the application is August 10 for the fall and December 10 for the spring semester.

**2. Submit an official transcript of secondary school work.** Each applicant must request his guidance counselor to forward his transcript directly to the Office of Admissions. Students currently enrolled in high school should request that the courses in progress be listed on the transcript.

**3. Take the Scholastic Aptitude Test (SAT) administered by the College Board.** This test should be taken in November or December of the senior year of high school if possible. Test scores must be sent directly from the College Board to the Office of Admissions. UNC-G's College Board code number is 5913. For information about the SAT, write College Board, P.O. Box 592, Princeton, NJ 08540.

American College Test Scores are acceptable in lieu of SAT scores. Test scores should be sent directly from The American College Testing Program, P.O. Box 168, Iowa City, IA 52240. UNC-G's ACT code number is 3166.

**4. Applicants who have been in the armed services must submit a copy of their discharge papers (DD 214).**

## Special Services Admission Plan

The University provides, through the Special Services Program, educational support opportunities to a number of freshman students who have the ability to succeed in higher education.

In addition, services are available to other students who meet Program eligibility requirements during any undergraduate year. Services include instruction in writing and mathematics for English and mathematics courses, a skills lab employing reading and study skills improvement, tutoring in a variety of subjects, academic advising and career and personal counseling. Services are tailored to individual need.

The Special Services Program, designed to improve academic performance, is funded by the U.S. Department of Education program and supported by UNC-G. Students wishing to be considered for this program should indicate this desire on the admissions application. Contact the Office of Admissions for additional detailed information.

## Notification of Acceptance

Applicants are notified of action taken on their application as soon as possible after all required information is in the Office of Admissions.

Applicants should confirm their intention to enroll at UNC-G by completing and returning the confirmation of intent to enroll card within four weeks of the date on the letter of admission.

Students who have been admitted to UNC-G **must** submit a medical report form supplied by the Office of Admissions. Medical clearance is required before the student may register.

## Early Action Plan

Well-qualified applicants for admission who decide that UNC-G is the university of their choice may apply for early action. This decision is made by November 1 of the senior year in high school.

To be eligible for early action, the applicant must:

1. Take the Scholastic Aptitude Test during the junior year in high school and have the official scores forwarded to the UNC-G Office of Admissions. These scores and the high school records must be received in the Office of Admissions by October 10 of the senior year.

2. Submit the application forms and all required credentials to the Office of Admissions by October 10 of the senior year.

Students whose applications are not accepted under the Early Action Plan will have their applications reviewed as regular admission candidates.

Students accepted under the Early Action Plan must submit the confirmation of intent to enroll card by November 30 of their senior year in high school.



## Course Credit and Advanced Placement by Examination

Student participation in the following test programs may result in advanced placement credit and/or exemption from specific degree requirements. A listing is included of the tests for which we grant placement and/or credit. Students should contact high school guidance counselors regarding dates and local test centers.

**College Board Achievement Tests.** These tests are offered in a wide variety of subject areas. The Credit by Examination program offers the opportunity to earn credit or placement. While standardized **placement tests are not required**, we encourage those who have strong academic preparation to take one or more of the exams listed below. Examination

dates are available in high school counseling centers or by writing to College Board, Box 592, Princeton, NJ 08540.

**College Board Advanced Placement Program.** High school students enrolled in AP courses may receive college credit by taking AP examinations upon completion of the courses and forwarding the results to the Office of Admissions for evaluation.

**College Level Examination Program (Subject Examinations Only).** The College Board offers these examinations at permanent test centers throughout the United States. Test center information can be obtained from your counselor or by writing to C.L.E.P., Box 1824, Princeton, NJ 08540. The test is designed for persons who have done college-level work outside college and can successfully demonstrate what they know.

## ADVANCED PLACEMENT EXAMS

Exam	Score Required	Hours Granted	Courses
American History	3	6	History 211, 212
Biology	3	6	Biology 101, 102
Chemistry	4	3	Chemistry 111
Chemistry	5	6	Chemistry 111, 114
English	5	6	English 101, 104
English	4	3	English 104
English	3	3	English 104
European History	3	6	History 101, 102
French Language	4	6	French 203, 204
French Language	3	3	French 203
French Literature	4	6	French 206, French elective
French Literature	3	—	Exemption, no credit
German Language	4	6	German 203, 204
German Language	3	3	German 203
German Literature	4	6	German 215, 216
German Literature	3	—	Exemption, no credit
History of Art	4 or 5	3*	Exemption from Art 105
Latin — Vergil	4	6	Latin 201, 202
Latin — Vergil	3	3	Latin 201
Latin — Lyric	4	6	Latin 203, 204
Latin — Lyric	3	3	Latin 203
Mathematics — Calculus AB	4	6	Mathematics 191, 292
Mathematics — Calculus BC	3	6	Mathematics 191, 292
Physics B	3	6	Physics 101, 102
Physics C	3	6	Physics 291, 292
Spanish Language	4	6	Spanish 203, 204
Spanish Language	3	3	Spanish 203
Spanish Literature	4	6	Spanish 205, Spanish elective
Spanish Literature	3	—	Exemption, no credit
Studio Art: General Portfolio	3 or 4 or 5	3	Art elective
Studio Art: Drawing	3 or 4 or 5	3	Art elective

\*Examination papers will be read by department to determine exemption or amount of credit.



## COLLEGE BOARD ACHIEVEMENT TESTS

Test	Score Required	Hours Granted	Courses
American History	700-800	6	History 211, 212
American History	650-699	6	After completion of six hours of history at 200 or 300 level with at least a 2.0 average
English Composition	700-800	3	English 101
English Composition	650-699	—	Exemption from English 101
English Literature	700-800	3	English 212
English Literature	650-699	—	Exemption, no credit
European History	700-800	6	History 101, 102
Foreign Language	550-800	3	Foreign Language 204 Intermediate level requirement met.

## COLLEGE LEVEL EXAMINATION PROGRAM (Subject Exams Only)

Exam	Essay Required	Minimum Score	Hours Granted	Courses
Accounting, Introductory	Yes*	50	6	Accounting 201, 202
American History	Yes*	50	6	History 211, 212
American Literature	Yes*	50	6	English 251, 252
Biology	No	50	6	Biology 101, 102
Calculus, Introductory	No	50	6	Mathematics 191, 292
Chemistry, General	No	50	6	Chemistry 111, 114
Economics, Introductory	Yes**	50	6	Economics 201, 202
College Composition	Yes*	50	3	English 101
English Literature	Yes*	50	6	English 211, 212
Foreign Language	No	50	6	Foreign Language 203, 204
Sociology, Introductory	No	50	3	Sociology 211

\*An "Excellent" rating on the essay is required.

\*\*A grade of "C" or better on the essay is required.

## Transfer Admission Program

UNC-G encourages well-qualified students with 24 academic semester hours or more of college credit from a regionally accredited institution to transfer here to continue their studies. A student who has college credit totaling fewer than 24 semester hours from a regionally accredited institution is designated a "Freshman-Transfer" and must meet requirements under both transfer and freshman admissions programs.

### Requirements and Procedures

1. Have a 2.0 or better average on a 4.0 scale on all previous work attempted and on all transferable course work from a regionally accredited college or university.
2. Be in good standing and eligible to return to your last attended institution.
3. Complete the UNC-G application forms prior to August 10 for admission into the fall semester or before December 10 for the spring semester.
4. Submit the following:

Official transcript from the secondary school attended. Transfer students must present 15 acceptable units of credit from an accredited secondary school. (See Freshman Admission Program, page 27.) Should the transfer student not

meet this requirement, he should refer to the section on entrance deficiencies on page 28.

Official transcripts from each post-secondary institution previously attended (including summer school and extension).

A list of courses in progress including course number, course name, and semester/quarter hours of credit.

A copy of discharge papers (DD 214) from the armed services if applicable.

A \$25.00 application fee, not refundable and not applicable toward tuition and other costs.

After receipt of the above credentials, the UNC-G admissions office staff reviews the application to determine the number of semester hours of credit for previous college-level work which can be transferred to UNC-G and applied toward a bachelor's degree. The quality as well as the quantity of the student's previous college work is considered when determining the transfer credit to be awarded. Course work completed with a grade of D will not transfer hours of credit but may be used to fulfill course requirements. A copy of the credit evaluation generally accompanies the acceptance letter.

Current University transfer policy stipulates that we cannot accept for transfer credit courses completed in technical,



vocational or professional programs at community colleges, technical institutes or business schools.

A transfer student accepted by UNC-G must confirm his intention to enroll by sending in the confirmation of intent to enroll card within four weeks of the date on the letter of admission. Confirmation of late acceptance must be made by the deadline for registration. If the form is not received, the student's application is subject to cancellation. He must also submit a completed medical examination form, prior to enrolling, if he plans to take more than one course.

Students planning to take a concentration in Broadcasting and Cinema should contact the Department of Communication and Theatre to determine if they are eligible for admission to the program.

Students planning to enter the School of Business and Economics should contact the School to determine the requirements for entrance into the School of Business.

An interview with faculty of the Department of Housing and Interior Design is required for selection into the program.

Students seeking the Bachelor of Arts with a major in music or the Bachelor of Music degree should have entrance units in music. An audition is required as part of the admissions procedure. Students should write the School of Music for information.

Any student transferring into the School of Nursing from another baccalaureate nursing program must have a letter of reference from the administrative head of the nursing program from which he is transferring. This reference should be sent directly to the Dean of the School of Nursing.

### Transfer Regulations

**Accreditation:** UNC-G accepts the accreditation of the North Carolina State Department of Public Instruction for colleges in North Carolina and the Southern Association of Colleges and Schools Agency. Colleges and universities outside North Carolina must have accreditation from the appropriate regional accrediting agency for the transfer credit to be accepted unconditionally.

**Nonaccredited institutions.** Applicants from nonaccredited institutions must meet the requirements in effect for admission into the freshman class, including satisfactory high school records and SAT scores, as well as meeting the transfer requirements of a 2.0 average on a 4.0 scale.

Credit for work completed in nonaccredited institutions will be held in abeyance until the student has satisfactorily completed 30 semester hours of work at UNC-G. The term "satisfactorily completed" is defined as meeting the requirements necessary to continue in the University. See Academic Regulations Chapter.

**Validating Examinations.** Some departments at UNC-G require an examination to validate transfer credit. These examinations are administered by the department or school involved.

**Professional School Admissions.** Admission into the University does not constitute selection into any of the professional schools.

**Two-Year College Transfer Credit Limit.** Transfer students who enter UNC-G after attendance at two-year colleges receive transfer credit for no more than 64 semester hours from two-year institutions.

**Extension/Correspondence Credit.** Credit for work completed in extension and/or correspondence courses will be granted in conformity with the regulations given above for the transfer of credits. Up to 64 semester hours in extension and/or correspondence credits may be applied to the completion of work for an undergraduate degree with the further stipulation that not more than one-fourth of the requirements for the degree may be completed in correspondence credit. Academic departments may establish such course and credit limitations in acceptance of extension and correspondence credit as may be required by specific degree programs.

### Former Student Admission Program

Students who were previously enrolled and are in good standing in the undergraduate program at UNC-G but who did not complete the previous semester should apply for readmission to the Director of Admissions. If such students earned credits at other colleges or universities since last attending UNC-G, they must submit official transcripts of credit from the institution(s) before they can be considered for readmission. UNC-G students who have been suspended for academic reasons may apply for readmission after being away from the University for at least one semester.

A student who withdraws for medical reasons must receive medical clearance from the Student Health Center before readmission.

### Irregular Admission Program

#### Part-Time Degree Students

Students who plan to enroll on a part-time basis, but who wish to work toward a degree, are considered "part-time degree students" and should follow the admissions procedures for freshmen and transfers. Part-time students are those students who enroll in less than 12 semester hours. Tuition and fees are determined by the number of semester hours taken and by in-state and out-of-state residency. Part-time degree students may not reside in University housing.

#### International Admissions

A student from another nation seeking admission must be academically qualified to undertake a program of study at the University. The student must have an adequate knowledge of English and have sufficient financial resources available to meet the expenses of attending the University. The **minimum** budget for international students is \$8,200.00 U.S. DOLLARS annually. This does not include summer study or any dependents.

With the application for admission, a Financial Certification Form must be completed showing evidence of financial sufficiency for the entire length of time the student will be enrolled. The student should return the application along with official transcripts translated into English of work completed in secondary institutions and universities and the Financial Certification Form. The University also requires an official copy of TOEFL (Test of English as a Foreign Language) or SAT results or evidence of having completed English training at an approved institute from applicants whose native language is not English.



### Students Seeking a Second Baccalaureate Degree

An applicant who holds a baccalaureate degree from a regionally accredited institution and who wishes to take undergraduate work toward a second baccalaureate degree should follow the instructions below:

1. **Complete the application forms and return them to the Office of Admissions with the \$25.00 application fee.**
2. **Submit official transcript(s) from each post-secondary institution previously attended.**

An applicant holding a baccalaureate degree and taking work for credit for any other purpose must apply through the Graduate School.

### Visiting College Students

A student who is currently working for a degree at another institution but wishes to take courses here is classified as a "visiting" student.

To be considered for admission as a visiting student, an applicant must submit the regular application forms and a \$25.00 application fee, have the dean of the home institution send the Office of Admissions written permission to take the specific courses here which will be acceptable for transfer credit at that institution and have an official transcript from that institution forwarded to the Office of Admissions. The student must have good academic standing noted in the written permission or on the transcript. Admission will be denied to applicants whose grade point average is below that which this University requires for one of our students for a comparable class. See Academic Regulations.

A student attending a college or university in the Greensboro Regional Consortium (Bennett, Greensboro, Guilford, High Point, and Guilford Technical Community colleges and North Carolina Agricultural and Technical State University) is not classified as a visiting student and does not go through the admissions process for the fall or spring semesters. Students wishing to register for courses here through the Consortium should contact the registrar of their home institution. For the Summer Sessions, the Consortium is in effect only with North Carolina Agricultural and Technical State University. Bennett, Greensboro, Guilford, High Point, and Guilford Technical Community college students interested in taking courses in the UNC-G Summer Sessions should request a bulletin from the Summer School Office and submit the application form in the back of the bulletin.

### Visiting High School Students

The University provides high school students who have good academic records the opportunity to begin their college studies early and to supplement their high school curriculum. High school juniors or seniors can be considered for enrollment in courses as visiting students by submitting an application, \$25.00 application fee, a high school transcript and a letter of permission from their principal. Enrollment as a visiting high school student does not imply regular admission.

### Conditional Admission

A student who lacks only one of the three required high school mathematics units may be considered for conditional admission. If accepted, he must remove the deficiency within one year after admission.

A student who lacks one or two of the required high school foreign language units may be considered for conditional admission. If accepted, he must remove the deficiency within two years after admission.

The Admissions Policies Committee may review the application of any student who seeks admission on the basis of special merit but who cannot be admitted under any existing programs.

### Adult Admissions

Persons who do not meet traditional entrance requirements and have been away from formal schooling for at least one year may be considered for admission into UNC-G through the Office for Adult Students. With his adviser's approval an adult student may enroll for undergraduate courses for credit. Upon successful completion of 15 semester hours and the removal of mathematics deficiencies, the student will be placed in a University classification of freshman through senior (depending upon the number of hours completed) with an adviser from the faculty. See Academic Regulations Chapter.

To apply for acceptance through the Office for Adult Students, an applicant should:

1. **Complete the UNC-G application forms and return them to the Office for Adult Students.** A \$25.00 application fee is required.
2. **Submit official transcripts from the secondary school attended [or GED (General Educational Development) equivalency scores] and from any post-secondary institutions previously attended (including summer school and extension).**
3. **Submit discharge papers (DD 214) from the armed services if applicable.**

4. **Schedule a pre-admissions conference with a counselor in the Office for Adult Students.** During this interview, the applicant and the counselor will determine the student's needs and interests and seek the resources for meeting them. If appropriate, the counselor will recommend acceptance to UNC-G through the Office for Adult Students.

An applicant will be notified of action taken as soon as possible. The student should confirm his intention to enroll by completing the confirmation of intent to enroll card and returning it to the Office for Adult Students within four weeks from the date of his acceptance. Confirmation of late acceptance must be made by the deadline for registration. Before enrolling, students must submit a medical report form supplied by the Office for Adult Students.

### Unclassified Admissions

Students who do not want to pursue an undergraduate degree at this time or who apply for undergraduate admission after the deadline for acceptance of applications has passed may apply through the Office for Adult Students to be an unclassified student.

To apply for acceptance as an unclassified student, an applicant should:

1. **Fill out an undergraduate application in its entirety.** A \$25.00 application fee is required.
2. **Submit this application to the Office for Adult Students.**
3. **Former UNC-G students are not eligible for this program but must apply as former students.**



An applicant admitted through the unclassified category will be permitted to take no more than 7 semester hours of credit per term and is not eligible for any kind of University financial aid. An applicant who has previously attended another college must be eligible to return to that institution. If the student desires to be considered for degree-seeking status, all records must be submitted to the Office for Adult Students. Upon completion of the application the records will be reviewed to determine whether or not the student can become degree seeking before successfully completing 15 semester hours at UNC-G. All students will have to meet the University's continuing in education requirements as defined in the catalog to be able to continue their academic endeavors.

Students must submit a medical report form supplied by the Office for Adult Students.

### **Auditing**

Auditing a course is the privilege of being present in the classroom when space is available but involves no credit. No examinations are required, and no grades are reported. Attendance, preparation and participation in classroom discussion and activities are at the discretion of the department and/or instructor. Admission is determined following the close of regular student registration.

**Registered Auditors.** A currently enrolled student may audit a course upon the written approval of his faculty adviser and the instructor and must register officially for the course. A student paying full tuition and fees may audit one course per semester without additional fee. A registered part-time credit student may not audit more than two courses per semester and is charged a \$10.00 fee for each audited course. Fees are payable in full at the time of enrollment.

Persons not officially registered at UNC-G who desire a record of enrollment as an auditor should follow regular admission, registration, and fee payment. The fee is \$60.00/in-state and \$388.00 out-of-state for each course audited.

**Visiting Auditors.** A person not officially registered at UNC-G who desires to audit a course without a record may secure an application form from the Office of Continuing Education. To audit a 600 or 700 level course, a student must hold a bachelor's degree. Visiting auditors are admitted to lecture courses when space is available with the approval of the department head in consultation with the instructor teaching the course requested. A fee of \$15.00 is charged for each course audited.

### **Graduate Admission Program**

Students interested in working toward a graduate degree or students who hold a bachelor's degree and wish to continue their general education should consult the **Graduate School Catalog** for admission information.

### **Continuing Education Activities**

Students enrolling through the Office of Continuing Education in programs for extension credit, non-credit, continuing education and professional development as well as other special educational activities sponsored by UNC-G, need not apply for admission to the University for a degree program. Registration is handled by the Office of Continuing Education of UNC-G. Contact that office for information relating to specific programs.



# Undergraduate Expenses



# Undergraduate Expenses

The expense figures listed in this chapter are for the 1985-86 academic year. UNC-G reserves the right to make changes in these charges without advance notice.

Costs for attending UNC-G vary as shown below depending on factors such as whether you are an in-state or an out-of-state student and whether you choose to live on or off campus.

To figure your individual costs, review the list of charges and enter the figures which apply to you. Refund policies for the various charges are discussed in the last section of this chapter.

## UNC-G Undergraduate Expenses for Full-Time Students (Annual Basis)

Tuition and Required Fees	Your Expenses (Enter Applicable Figures)	
<b>Tuition and Academic Fees</b>		
In-State Students	480.00	
Out-of-State Students	3,400.00	
<b>Health Service</b>	160.00	160.00
<b>Student Activities Fee</b>	248.00	248.00
<b>Room and Board</b>		
<b>Room</b>		
Double Occupancy	1,140.00	
Single Occupancy	1,710.00	
<b>Board</b>		
14-meals Per Week	1,024.00	
21-meals Per Week	1,160.00	
(Total cost for MOST in-state students on campus)	\$3,052.00	
(Total cost for MOST out-of-state students on campus)	\$5,972.00	
	Your total \$ _____	

Note: Students living on campus are required to contract with UNC-G for room and board. Students living off campus pay only the tuition and required fees.

### Schedule of Payments for Full-Time Students

The expenses table gives costs on a nine-month academic year basis. To figure the amount due each semester, divide your total expense figure by two. This is the amount which should be paid to the University cashier prior to registration each semester. When applicable, the required deposit, discussed below, should be subtracted from amount due for the spring semester because it is credited toward spring semester costs. Fall semester payments may be mailed to the University cashier prior to August 1, 1985. Payment for the spring semester may be mailed prior to December 10, 1985. Payment after these dates must be made in person before registration.

### Required Housing Deposit

A freshman or transfer student desiring to live on campus must submit a \$150.00 Partial Housing Payment and Security Deposit, along with a completed Housing/Food Service Contract, in order to reserve residence hall space. The \$150.00 Partial Housing Payment and Security Deposit consists of a \$100.00 pre-payment for the **spring semester** and a \$50.00 key and security deposit which remains on file with the University as long as the student is a resident in University housing.

A continuing student who is presently living on campus must pay only the \$100.00 pre-payment if the Security Deposit has previously been paid. However, a continuing non-resident student must pay the entire \$150.00 Partial Housing Payment and Security Deposit.

### Laundry & Dry Cleaning Service

The University does not provide any laundry or dry cleaning service. There are coin-operated washing machines and dryers located in each residence hall.

### Explanation of Expenses

#### Tuition and Academic Fees

The tuition and academic fees paid by UNC-G students only partially cover the cost of the education they receive. The remaining costs are met by funds from the State of North Carolina, from the UNC-G Excellence Fund and from alumni, friends, corporations, foundations and the federal government.

Because UNC-G is a state-supported institution, out-of-state students are required to pay a higher tuition than in-state students who are legal residents of North Carolina. See



Appendix C for policies governing in-state tuition payment status.

### Fees

The **health service fee** provides students with the medical service described in the Services to Students Chapter. All students living on campus and all students living off campus taking 9 or more hours are required to pay the health service fee. Part-time students living off campus may voluntarily choose to pay the fee and enjoy the benefits of the Student Health Center.

The **student activities fee** finances a broad range of student programs including campus organizations, entertainment, Student Union, Student Union Building fees and recreation and athletics.

### Room Rates: Double and Single Occupancy

The room rate of \$1,140.00 per academic year is based on double occupancy. Occasionally vacancies in residence halls permit a normally double room to be occupied as a single room. When this occurs and when a student applies for a single room, the room rent is 50% more than the regular rate for a student in a double room.

### Board Plans

All students who live on campus are required to contract for meals in the UNC-G dining halls. Four meal plans are available:

- 14-meals per week non-transferable — \$1,024.00 per academic year
- 21-meals per week non-transferable — \$1,160.00 per academic year
- 14-meals per week transferable — \$1,254.00 per academic year

21-meals per week transferable — 1,384.00 per academic year

A student may select one meal plan for the first semester and then change to another meal plan for the next semester. However, once an election has been made for a given semester, it cannot be changed during that semester.

The week runs from Saturday breakfast through the following Friday dinner, and any unused meal entitlement cannot be carried past that Friday dinner.

For any week that the dining hall is in operation for only part of the week, the number of meal entitlements for that week shall be reduced in the same proportion as the part of the week that the dining hall is closed.

### Do Not Lose Your Dining Card . . .

It will be necessary to pay ten dollars (\$10.00) for a duplicate card. You are advised to be careful not to misplace it.

### Telephone Service

Optional telephone service is available to students in some residence halls. Each student room in these halls is equipped with a telephone outlet and the room occupants may contract for telephone service directly with Southern Bell Telephone Company. The University is not responsible for telephone service contracts between the student and Southern Bell.

## Tuition and Fees for Part-Time Students

A part-time student for fee purposes is defined as one taking less than twelve (12) semester hours of work each semester. Students taking twelve (12) or more hours per semester pay the same tuition and fees specified earlier for full-time students.

### Students Taking From 0-11 Hours (UNDERGRADUATE)

Undergraduate students taking fewer than twelve hours of work during a regular semester will be charged a prorated portion of the tuition and the activity fee. Health service fee is charged students taking nine or more hours who live off campus. However, such a student may voluntarily choose to pay the fee and enjoy the benefits of the Student Health Center. All on-campus students pay the health service fee. Undergraduate tuition and fees for part-time students for the 1985-86 academic year are as follows:

Credit Hours	TUITION		FEES		TOTAL	
	In-State	Out-of-State	Health	Activity	In-State	Out-of-State
0	\$ 60.00	\$ 425.00			\$ 60.00	\$ 425.00
1-5	60.00	425.00		31.00	91.00	456.00
6-8	120.00	850.00		62.00	182.00	912.00
9-11	180.00	1,275.00	60.00	93.00	333.00	1,428.00
12 & over	240.00	1,700.00	80.00	124.00	444.00	1,904.00



## Tuition and Fees for Graduate Students

See Graduate School Catalog.

## Special Fees

### Auditing

A regular full-time student may audit one course free per semester. A registered part-time student may not audit more than two courses per semester and is charged a fee of \$10.00 per course. A person who is not a registered credit student can receive a record of enrollment as a registered auditor. The fee is \$60.00 for each course audited. Visiting auditors are not registered students and may apply to the Office of Continuing Education to audit courses for a \$15.00 fee per course. See Admission Chapter for details.

### Applied Music

In addition to regular tuition and fees, music majors pay \$45.00 per semester to compensate for private and class instruction in applied music. Non-music majors pay \$30.00 per credit hour for private applied study. Class applied study, when assigned, is \$15.00 per credit hour. Graduate music majors may elect to be assessed under either category. Auditing or non-credit registration in applied music is not permitted.

### Music Practice Fees and Instrument Rental

Special fees are charged for the use of practice rooms and/or instruments. A schedule of these fees may be secured from the School of Music. The appropriate charge for each student is determined by the School of Music and is payable during registration.

### Laboratory Breakage Deposit

The standard academic fees charged all students include the use of laboratory facilities. However, students are required to pay a \$10.00 laboratory breakage deposit to cover the cost of any equipment which is broken or lost. The deposit is determined by the departments involved after periodic inspections and inventories. Any unused portion of the breakage deposit is refunded at the end of the academic year.

### Special Medical Service Charge

Although the health service fee covers ordinary medical services provided by the Student Health Center, additional nominal charges are made for special services such as x-rays and certain medications. The University Physician determines the amount of these charges. They are payable upon receipt of a statement from the Health Center. Students not living on campus who are confined to the Health Center are charged for the meal service.

Due to high medical costs in the United States and to historical experience of previous international students, all nonimmigrant students, regardless of status or semester hours taken, are required to pay the student health fee and are encouraged to purchase adequate health and accident insurance. A Student Accident and Sickness Insurance Plan is available to UNC-G students, and it meets the above requirements. Information on it may be obtained from the international adviser.

Students who elect not to pay the health service fee may be treated at the Health Center on a fee-for-service basis. Standard medical charges will be made for any services rendered.

### Student Identification Cards

A permanent ID card will be issued to each student upon completion of registration for his first semester at UNC-G. If this permanent ID card is lost, there is a \$10.00 replacement fee which is to be paid at the Cashier's Office.

### Graduation Fee

A \$15.00 fee, which covers the rental of a cap and gown and the cost of a diploma, is charged to all degree candidates. It is payable during the semester in which the requirements for a degree are to be completed. No reduction of the fee is allowed for those receiving degrees in **absentia**.

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"Be prepared to work. . . . Take advantage of the things that are offered because everything is done for the benefit of the students, and the things offered really increase your education."

UNC-G Sophomore

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## Other Expenses

The foregoing statements cover essentially all of the charges paid to the University Cashier. In order for students and parents to develop reasonably accurate budgets, a few other expenses are listed below.

### Books and Supplies

These are to be paid for as purchased, either from the University Book Store or other suppliers. The cost varies in accordance with the courses of study but generally runs between \$200-\$250 per year.

### Residence Hall Furnishings

Students furnish their own pillows, pillow cases, sheets, blankets, bedspreads, towels and room accessories such as study lamps, draperies, scatter rugs, wastebaskets.

### Car Registration

Registration/parking permits are required for all student-operated motor vehicles. See page 25 for details.

### Uniforms

Students are expected to use outfits appropriate to the physical education activities taken. Gym suits, leotards and other such appropriate outfits are available from the University Book Store.

Many laboratory courses require special aprons. Smocks or coveralls are often required in art classes. A number of student aid jobs require special uniforms. Unless the student has advance information as to exactly what is required, it is preferable to purchase these items after arrival.

### Nursing Majors

Special fees for nursing students are discussed on page 209.

## Student Credit Policy

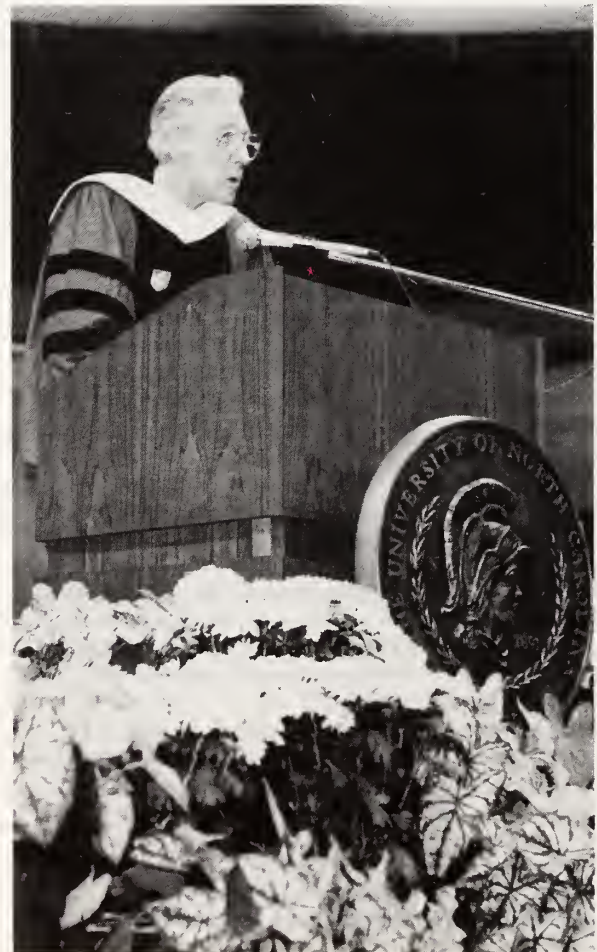
Tuition and fees for all University students are due and payable before or on registration day. North Carolina law requires the University to charge and collect from each student, at the beginning of each academic session tuition, fees and an amount sufficient to pay all other direct expenses such as room and board incurred for the term. Payments may be made by cash, money order, check or VISA or Master Card credit cards.

As an exception to the above policy, students may be granted deferments (credit) only if they meet one of the following criteria:

- (1) Students who receive awards through the UNC-G Student Aid Office from one or more of the following programs must pay the amount of their bill less the amount awarded for the financial aid. Any liability resulting from a reduction of financial aid becomes the student's responsibility payable upon notification of the adjustment of the award. Financial aid awards for purposes of the credit policy are as follows: Pell Grants, Guaranteed Student Loans, Parent Loans (PLUS), Institutional Loans, Tuition Plan, Knight Payment Plan, SEOG, NDSL, N.C.

Veteran Scholarships, Vocational Rehabilitation, Disabled Veterans, Minority Presence Grants, University Scholarships, Fellowships, Assistantships and Grants. Students who have College Work-Study or other need-based campus work are expected to apply all other aid funds immediately to their accounts, but may contract individually with the Cashier regarding payment of their wages to their charges. Wherever possible term-time earnings should be used to cover personal expenses.

- (2) Students wishing to utilize Social Security and Veterans benefits under the credit policy must demonstrate financial need in compliance with normal financial aid need standards. Credit requests under this provision must be submitted to the Cashier's Office accompanied by a Financial Aid Form (if it has not been previously submitted to the Student Aid Office) no later than ninety (90) days before the beginning of an academic term. Final approval is contingent upon the student's demonstration of need and a good credit history with the University.
- (3) Recipients of scholarships awarded by organization outside the University in which direct payment is made to UNC-G and notification is on file with the Student Aid Office may qualify under the credit policy. Students should provide notification of such awards as soon as possible.





## Refund Policy for Student Fees and Charges

### General

If a fee is designated as being attached to a specific service (such as an application fee or registration fee), no part of the fee is refundable if the service has been rendered.

If a situation arises in which the University administration considers that equity would best be served by cancelling a student's registration, it will do so and all charges will be refundable.

### For Students Who Have Not Completed Registration

**Housing Deposits.** Housing deposits for freshmen and transfers are fully refundable if requested in writing from the Director of Residence Life by June 1, preceding the fall semester for which the contract applies.

Housing deposits for continuing students are fully refundable if requested in writing from the Director of Residence Life by June 1 preceding the fall semester for which the contract applies. If UNC-G determines that a student is not eligible to return, a refund will be made upon receipt of a written request.

Exceptions: Deposits are fully refundable by administrative action at any time for death of student, health reasons as certified by the University Student Health Center and death in the immediate family which prevents enrollment.

Deposits are refundable if authorized by the Refund Committee.

### For Students Who Have Completed Registration

**Tuition and Fees.** During the first two weeks of a semester, tuition and fees (not room and board) are refundable except for 10% of these charges. See the UNC-G Calendar for deadline dates. After the first two weeks of classes, tuition and fees are not refundable.

Exceptions: Charges are refundable by administrative action on a pro rata basis for the unexpired portion of the term for reasons such as the following: death of student, withdrawal for adequate medical reason as certified by the University Student Health Center and death in the immediate family which necessitates student withdrawing.

Charges are refundable pro rata based on the unexpired portion of the term if authorized by the Refund Committee.

**Room and Board.** *Room rent is not refundable.* However, if a student qualifies for an exception as stated above, room rent is refundable except for \$100.00 plus the pro rata part of the remaining charge based on the expired portion of the term.

Board charges are refundable except for a pro rata charge based on the expired portion of the term.

### For Students Who Have Received Financial Aid

If it has been determined that any of a financial aid recipient's UNC-G charges (tuition, fees, and/or room and board) are refundable in any amount, the student will not receive any of the refund until the Student Aid Office determines what portion of the refund, if any, needs to be repaid to the financial aid program(s) from which the student received funds.

When a student has received financial aid funds for purposes of indirect (non-institutional) educational costs such as books and supplies, personal expenses, off-campus living and food expenses, and/or travel expenses, the student should expect to be responsible for repaying any portion of the funds received which cannot be attributed to the expenses incurred during the student's actual period of enrollment.

Further information regarding refund/repayments of financial aid awards can be found in the Financial Aid section of this catalog.

### Refund Committee

The Refund Committee hears appeals from any student who wishes to be heard. It has referred to it by administrative action any unusual requests for refunds which the regulations above do not appear to cover or in cases in which there appear to be extenuating circumstances.

The Refund Committee normally does not grant a refund if a student withdraws for personal reasons, such as failing or transferring to another school. (Going to another campus of The University of North Carolina is the same as going to another school, since each is administered separately for financial purposes.)



# Financial Aid



# Financial Aid

UNC-G's Student Financial Aid Program is designed to assist deserving students in meeting the costs of attending UNC-G.

It includes several types of aid: scholarships, grants, loans and student employment. Financial aid awards may include one or more of these.

All financial assistance is awarded without regard to the student's race, color, national origin, religion, sex, age, or handicap.

In making award decisions, the Student Aid Office first determines the student's financial need. This is the difference between the resources of the student and his parents and the costs of attending UNC-G.

Every effort is made to provide a "package" of aid which will meet this financial need. A student is expected to assume the obligation for part of his award in the form of a long-term loan and/or a part-time job on campus or off campus.

A student who has completed the financial aid application procedure outlined below is considered for all the general scholarships, grants and loans which may be suitable to his circumstances. Competitive scholarships, described later in this chapter, require completion of an additional application form.

A list of scholarships and loan funds available to UNC-G students is printed in Appendix D.

## Applying for Financial Aid

If the student and his family have determined that their combined resources will not be sufficient to meet expenses, the student should apply for financial aid. Funds are always limited, so students should observe the procedures and deadlines carefully to avoid delay.

### Procedures for Entering Students

1. Apply for admission to UNC-G.
2. At the same time request an "Application for Financial Aid" from the Student Aid Office. Complete and return it by March 1, if entering the fall semester, or by December 1, if entering the spring semester. Applications received after these deadlines are considered only if funds are available.
3. Obtain a "Financial Aid Form" from the high school or from the Student Aid Office. The form should be completed by the student and parents or guardian and forwarded to the College Scholarship Service no later than three weeks prior to the deadlines above. Indicate on the statement that UNC-G is to receive a copy of the form.
4. Apply for a federal Pell Grant (formerly called Basic Educational Opportunity Grant) by checking the appropriate section of the "Financial Aid Form" so that information about the financial circumstances of the student and his family will be sent to the Pell Grant agency. The student will receive a "Student Aid Report" from the Pell Grant agency, and he should immediately forward all copies of the report to the Student Aid Office. (The Pell Grant application procedure is required for undergraduate students only.)

### Procedures for Enrolled Students

Students already enrolled at UNC-G who wish to apply for financial aid for the first time should submit the "Application for Financial Aid" to the Student Aid Office by March 1 for the fall semester or by December 1 for the spring semester. The "Financial Aid Form" should be completed and sent to the College Scholarship Service at least three weeks in advance of the March or December deadline. Undergraduate students should apply for a federal Pell Grant by checking the appropriate section of the "Financial Aid Form" and should send all copies of the resulting Pell Grant "Student Aid Report" to the Student Aid Office.

### Renewal of Financial Aid

Awards are made for only one academic year. A student must apply each year by submitting a new "Financial Aid Form" and an "Application for Financial Aid." Undergraduate students must apply each year for the federal Pell Grant. Forms for the renewal of aid are available in the Student Aid Office.

In order to be eligible for the renewal of financial aid, a student must have continued financial need, must have fulfilled the conditions and requirements of previous financial aid, must be in good standing and must be maintaining satisfactory progress at UNC-G. A student is not eligible for continued financial assistance if he owes a refund of federal grant aid or is in default on a federal loan received for attendance at UNC-G.

### Independent Status

A student who qualifies for independent student status according to the criteria outlined below must submit a "Financial Aid Form" to the College Scholarship Service, and information about the parents' financial circumstances need not be provided. The parents must, however, sign the "Affidavit of Financial Independence" to verify the independent status of a student. The affidavit form is available in the Student Aid Office.

To be classified as an independent student, a student may neither be living with, receiving financial support from, nor be claimed as an income tax dependent by his parents or guardian during the years indicated on the applications.

Marriage does not automatically give a student independent status.

### Determining Financial Need

The "Application for Financial Aid" and the financial statement provide the Student Aid Office with the information required to determine a student's financial need.

The application form requests information about the student's financial situation, summer earnings, assets and savings, benefits and other sources of assistance.

An entering student is expected to save \$700 and a returning student \$900 per year from summer earnings. A student with assets or savings of his own is expected to use these funds for his educational expenses. A student is also expected to report on his application all financial awards or benefits received from sources other than UNC-G.



The financial statement from parents requests information about the financial circumstances of the family, including income, assets, number of dependents, obligations against income and unusual expenses. It also provides space to call to the attention of the Student Aid Officer factors which may affect the family's ability to assist the student. All information concerning the financial situation of a student and his family is held in complete confidence by the Student Aid Office.

### Notification of Award Decisions

Entering students are notified of financial aid decisions in the spring and summer preceding their fall environment. A student submitting his application after the March 1 deadline should not expect a decision until late summer. Spring semester awards are made by the end of December.

Enrolled students applying for aid or renewal of aid are notified during the summer, usually in July. Students are required to accept financial aid in writing before any disbursements are made.

### Refund/Repayment of Aid Due to Withdrawal

Among other factors, the cost of education of the expected length of the enrollment period is used by the Student Aid Office in determining the amount of aid it offers to a student. If the period of enrollment is less than what the aid was based on, then the cost of education would also be less. On awards for the academic year, it is assumed that half of the aid is for each semester unless otherwise indicated on the award notification.

In accepting a financial aid award, the student signs a statement indicating acceptance of the responsibility of repaying any funds received which cannot reasonably be attributed to meeting the educational expenses incurred during the period of enrollment.

If it has been determined that any of a financial aid recipient's UNC-G charges (tuition, fees and/or room and board) are refundable in any amount, the student will not receive any of the refund until the Student Aid Office determines what portion of the refund, if any, needs to be refunded to the financial aid program(s) from which the student received funds.

In the case where a student has received financial aid funds for purposes of indirect (non-institutional) educational costs such as books, supplies, off-campus living and food expenses, and/or personal and travel expenses, the student should expect to be responsible for repaying any portion of the funds received which cannot be attributed to the expenses incurred during the student's actual period of enrollment.

In determining the amount of a student's refund and/or repayment to the aid program(s) from which funds were received, the Student Aid Office uses formulas prescribed by federal regulations and institutional policy. Copies of the formulas used and further information regarding refund/repayment procedures are available from the Student Aid Office.

### Types of UNC-G Financial Aid

UNC-G receives substantial support for its student aid program from federal and state governments and from individuals, foundations and corporations. All student aid

funds are awarded and administered according to the provisions and regulations of the contributing agency or donor. Students should understand fully the terms of financial aid awards before accepting them.

Annual renewal of a student's award from federal and state sources depends upon continued support from government agencies. Both federal and state programs have changed frequently in recent years. Students should understand that specific types of awards may not be available each year and that the amounts awarded each year may be adjusted based on available funds and the student's financial need.

### General Scholarships

UNC-G awards a limited number of general scholarships, ranging in value from \$100 to \$1,000 per year, to undergraduate students who have above-average academic records and financial need. A student is expected to maintain at least a C average (2.0) in order to be considered for scholarship renewal. A student does not need to apply for a specific general scholarship. The Student Aid Officer considers the applicant for all the general scholarships for which he is eligible.

Some scholarships are restricted by academic major. Usually these awards are made by a school or department to upperclass students who have entered specific majors.

A complete listing of scholarships offered at UNC-G may be found in Appendix D of this catalog.

### Competitive Awards

UNC-G has a Competitive Awards Program which seeks to recognize entering freshmen with outstanding academic ability. Application forms and information may be obtained from the Student Aid Office. The application deadline is January 1 for the Alumni, Bryan, Ferguson, Jefferson-Pilot, NCNB and Reynolds Awards.

The following awards are given on the basis of academic excellence and evidence of leadership ability:

**Alumni Awards.** All entering freshmen may apply for the Alumni Awards which are valued at \$1,500 per year. Approximately five Alumni Scholars are selected annually.

**Kathleen Price and Joseph M. Bryan Awards.** All academically talented entering freshmen planning to major in business and economics are encouraged to apply for these awards valued at \$1,500 per year. Approximately six new recipients will be chosen annually.

**James S. and Frances C. Ferguson Award.** All outstanding out-of-state entering freshmen may apply for this award. One student is selected every other year for an award of \$2,000.

**Jefferson-Pilot Award.** One Jefferson-Pilot Award for \$1,000 is given each year to an entering freshman.

**NCNB Awards.** All entering freshmen who exhibit outstanding characteristics and academic excellence in the areas of business and economics are eligible for this renewable award valued at \$1,500 per year. Recipients will be provided one summer internship experience with the award.

**Katharine Smith Reynolds Awards.** Approximately 12 Reynolds Scholars are selected each year for annual awards of \$1,500. Applicants must be entering freshmen who are legal residents of North Carolina.



## Grants

Federal, state and UNC-G funds are available for grant awards to students with exceptional financial need. A grant is gift assistance and does not require repayment or work obligation. A student who completes the financial aid application procedures is considered for all grant funds for which he is eligible.

Under the Board of Governor's general Minority Presence Grant Program, entering black students may be eligible for special financial assistance if they are residents of North Carolina, enrolled for at least three hours of degree credit course-work, and demonstrate financial need. At UNC-G priority for these grants is given to students who enroll full-time.

## Loans

UNC-G provides long-term loan assistance, through federal and institutional funds, to needy graduate and undergraduate students. A student is considered for loan assistance when he completes the financial aid application procedures. The Student Aid Office awards a loan from the fund which is most suitable for a student's circumstances and makes every effort to meet a student's financial need with as little loan obligation as possible. A promissory note must be signed by the student when he receives a loan.

Loan programs available to UNC-G students include National Direct Student Loans (NDSL) and Institutional Loans.

The student himself is responsible for repayment of a loan after he graduates or withdraws from UNC-G. The student is expected to repay according to a schedule which he must sign before he leaves UNC-G. Repayment of NDSL must begin six months after termination of at least half-time student status, and the student pays 5 percent interest on the unpaid balance of the loan principal. Repayment of an Institutional Loan, along with specified interest, begins at the time the student leaves UNC-G. Additional information about the conditions and terms of student loans and about loan repayments is available in the Student Aid Office.

In addition to long-term student loans, short-term loans for emergency expenses up to \$75 are available from the Student Aid Office.

## Student Employment

Part-time jobs on campus are available for students who wish to earn money for part of their college expenses. These include jobs in the library, dining hall, laboratories, offices and residence halls. Funds for these student jobs are provided for in the budgets of various departments on campus and by the federal government through its College Work-Study Program. The average student job requires about ten hours work per week, and average yearly earnings are approximately \$800 to \$1,000.

**Off-Campus Employment.** Students seeking off-campus employment should register with the University's Job Location and Development Center, located in the Foust Building.

## Financial Aid From Other Sources

Students are encouraged to investigate sources outside UNC-G from which they might obtain aid. Assistance from an outside agency or program may provide the full amount needed by the student, or it may be combined with an award from UNC-G to meet the student's need. A student who applies for aid must report to the Student Aid Office all financial assistance received for attendance at UNC-G so that available resources can be used to determine the student's need.

## Pell Grants

The Education Amendments of 1972 established the Pell Grant Program to assist undergraduate students in meeting postsecondary educational expenses. The program introduced for the first time the concept that eligible students in need of financial assistance will be assured of receiving federal funds to help pay for education beyond high school.

The amount of a student's Pell Grant award is calculated according to a federal formula which takes into consideration the family's financial circumstances, the student's costs of education and the amount of funds actually available for the program. In order to apply for a Pell Grant, a student should check the appropriate section of the "Financial Aid Form" so that the College Scholarship Service will send information to the federal Pell Grant agency about the financial circumstances of the student and his family. The Pell Grant agency will prepare and send a "Student Aid Report" directly to the student, indicating his eligibility for a federal grant. The student should forward all copies of the report to the Student Aid Office, even though he may not be eligible for a grant.

An undergraduate student who wishes to be considered for financial aid from UNC-G must have his Pell Grant entitlement determined before an award can be made by UNC-G. If a student is not eligible for a Pell Grant, his eligibility for aid from UNC-G will not be affected. A student must reapply each year for a Pell Grant, and the amount of his grant may vary from year to year.





### Guaranteed Student Loan Program

All students who are U.S. citizens or permanent residents and who are enrolled at least half-time are eligible to apply for assistance through the Guaranteed Student Loan Program. Students should apply to eligible lenders in their home states.

A student who is a resident of North Carolina may borrow from the College Foundation, Inc., the central lender in North Carolina for the Guaranteed Student Loan Program. Information and an application form may be obtained from the College Foundation, Inc., 1307 Glenwood Avenue, Raleigh, NC 27605. Applications should be submitted at least 90 days prior to the period for which the loan is requested.

A student from outside North Carolina may write to the Student Aid Office for the name of the lending agency in his state or may contact his local bank for information.

The maximum loan for undergraduate study is \$2,500 per year, except for the freshman year in which a loan is limited to one-half the costs of attending UNC-G. The maximum loan for graduate study is \$5,000 per year. Total loan assistance at the undergraduate level may not exceed \$12,500 for dependent and independent students. The maximum loan for undergraduate and graduate work is \$25,000. These maximums are subject to change.

The federal government pays the interest on a Guaranteed Student Loan while a student is enrolled at least half-time. Repayment normally begins six months after the borrower graduates or terminates half-time enrollment. The student pays 9 percent interest on the loan during the repayment period.



### PLUS Loan Program

The federal government's PLUS (Parent Loans) program allows parents to borrow to help meet their children's educational expenses. These are non-subsidized loans at 12% interest with payments beginning within 60 days after the loan is made. The maximum a parent of an undergraduate may borrow is \$3,000 per year to a total of \$15,000 for each child. These loans may be used to replace expected parental contribution of financial aid applicants. North Carolina residents can obtain further information and applications from College Foundation, Inc., 1307 Glenwood Avenue, Raleigh, NC 27605. Residents of other states should contact their local banks or the Student Aid Office for information about lending agencies in their home state. Some graduate students and independent undergraduates may also be able to borrow under this program.

### Vocational Rehabilitation

Many states offer educational assistance to students who are physically handicapped. A North Carolina student should contact the Vocational Rehabilitation Division of the Department of Human Resources, Raleigh, N.C. A student from another state should contact his local vocational counselor.

### N.C. Prospective Teachers' Scholarship-Loans

A North Carolina student who plans a teaching career in the state may wish to apply for a Prospective Teachers' Scholarship-Loan. The award is valued at \$2,000 per year, and each year's stipend may be cancelled by a year of public school teaching in North Carolina. Information and an application form may be obtained from the Department of Public Instruction, Raleigh, N.C. 27611. Application deadline is March 1.

### N.C. Veterans' Affairs Scholarships

The Department of Veterans' Affairs offers scholarship assistance to North Carolina children of deceased or disabled veterans or of certain veterans who were listed in a POW/MIA status. An eligible student should write to the N.C. Department of Veterans' Affairs, 227 E. Edenton Street, Raleigh, N.C. 27601, for information.

### N.C. Student Incentive Grants

A North Carolina undergraduate student with exceptional financial need may be eligible for a state grant. A student should indicate on the "Financial Aid Form," question 47, he wishes to be considered for an N.C. Student Incentive Grant and pay the required additional fee indicated in FAF question 44. The "Financial Aid Form" should be completed well before March 1 to be considered for an N.C. Grant.





# UNC-G Undergraduate Degrees, Majors and Concentrations

Majors are listed first: degrees in (); concentrations are indented under the major. Refer to sections on specific departments for further information on options within majors or concentrations.

\*Teacher Education Program available.

## School of Business and Economics

## School of Education

### Department of Accounting

Accounting (B.S.)

### Department of Economics

\*Economics (B.A., B.S.)

### Department of Finance

Finance (B.S.)  
Financial Management  
Risk Management and Insurance

\*Education (B.S.)  
\*Early Childhood (K-4)  
\*Intermediate (4-6)  
\*Middle Grades (6-9)

### Department of Information Systems and Operations Management

Information Systems and Operations Management (B.S.)  
Management Information Systems  
Office Systems Administration  
Operations Management

### Department of Management

Management (B.S.)  
Management Policy  
Personnel Management  
Marketing Management  
Merchandising Management

### Division of Business and Marketing Education

\*Marketing Education (B.S.)  
\*Business Education (B.S.)  
\*Basic Business Education  
\*Comprehensive Business Education

## College of Arts and Sciences

### Department of Anthropology

Anthropology (B.A.)

### Department of Art

Art (B.A.)  
Art History  
Studio Art  
Art (B.F.A.)  
\*Art Education I (General)  
\*Art Education II (Studio Art)  
Design  
Painting  
Sculpture

### Department of Biology

\*Biology (B.A.)

### Department of Chemistry

\*Chemistry (B.A., B.S.)

### Department of Classical Civilization

Greek (B.A.)  
Greek Civilization  
Greek Language  
\*Latin (B.A.)  
Latin Language  
Roman Civilization

### Department of Communication and Theatre

Speech Communication (B.A.)  
Broadcasting/Cinema  
Broadcasting Performance  
Communication Studies  
\*Speech Communication  
General Speech  
Drama (B.A.)  
Drama  
\*Theatre Arts  
Drama (B.F.A.)  
Acting  
Theatre Arts  
Design and Technical Direction  
\*Education of the Deaf (B.S.)  
Preprimary  
Primary  
Speech Pathology and Audiology (B.S.)

### Department of Mathematics

\*Mathematics (B.A., B.S.)  
Computer Science

### Medical Technology Program

Bachelor of Science in Medical Technology (B.S.M.T.)

### Department of Philosophy

Philosophy (B.A.)

### Department of Physics

\*Physics (B.A., B.S.)

### Department of Political Science

\*Political Science (B.A.)  
Public Administration

### Department of Psychology

\*Psychology (B.A.)


**School of Health, Physical  
Education, Recreation  
and Dance**

Dance Education (B.S.)  
 \*Teacher Education  
   Teaching in Alternative Settings  
 Health Education (B.S.)  
   Community Health  
   Education  
 \*School Health Education  
 Physical Education (B.S.)  
   Liberal Studies  
   Scientific Studies  
   Sport Communication  
 \*Teacher Education  
 Recreation and  
   Leisure Studies (B.S.)  
   Therapeutic Recreation  
   Recreation Resources  
   Management  
 Dance (B.F.A.)

**School of Home  
Economics**

\*Child Development  
   (B.S.H.E.)  
 Clothing & Textiles  
   (B.S.H.E.)  
 Clothing-Fashion  
   Merchandising  
 Textiles  
 Apparel Arts  
 Food & Nutrition (B.S.H.E.)  
   Restaurant and Food  
   Service Management  
   Dietetics Specialization  
 Home Economics in Education and  
   Business (B.S.H.E.)  
 Home Economics in  
   Business and  
   Community Services  
 \*Teacher Education  
 Interior Design (B.S.)

**School of Music**

General Music (B.A.)  
 Music History (B.A.)  
 Applied Performance (B.M.)  
 Applied Performance: Jazz  
   Studies (B.M.)  
 Composition (B.M.)  
 \*General Music Education  
   (Choral) (B.M.)  
 \*Instrumental Music  
   Education (B.M.)

**School of Nursing**  
 Nursing (B.S.N.)

**Department of  
English**

\*English (B.A.)

**Department of  
Geography**

\*Geography (B.A.)  
   Urban Planning  
   Earth Science/  
   Environmental  
   Studies

**Department of  
German and  
Russian**

\*German (B.A.)

**Department of  
History**

\*History (B.A.)

**Interdepartmental  
Studies**

**Major  
Concentration**  
 Gerontology  
 History & Philosophy  
   of Science  
 International Studies  
 Russian Studies  
 Linguistics  
 Student-designed  
   majors (e.g.  
   Environmental  
   Studies)

**Minor  
Concentration**

All concentrations  
 in which majors  
 are listed plus:  
 Women's Studies  
 Population  
   Studies  
 Asian Studies  
 African Studies  
 European Studies  
 Urban Studies  
 World Literature  
 Student-designed  
   minors (e.g. Black  
   Studies)

**Department of  
Religious Studies**

Religious Studies  
 (B.A.)

**Department of  
Romance  
Languages**

\*French (B.A.)  
 \*Spanish (B.A.)

**Department of  
Social Work**

\*Social Work (B.S.)

**Department of  
Sociology**

\*Sociology (B.A.)

**Special Programs**

Preprofessional Programs:  
 Engineering/  
 Law/Medicine,  
 Dentistry and  
 Veterinary Medicine/  
 Pharmacy/Physical  
 Therapy  
 Honors Program  
 Study Abroad  
 Residential College  
 Plan II



# Academic Organization

The Chancellor has the responsibility for the administration of all campus programs, academic and non-academic.

The Vice Chancellor for Academic Affairs coordinates and oversees the various academic programs on the UNC-G campus, graduate and undergraduate. Working with the Vice Chancellor for Academic Affairs are the deans of the various schools and of the College of Arts and Sciences, the Director of the University Library, the Director of the Summer Session and the Office of Continuing Education, the Dean of Academic Advising, the Registrar, the Office for Adult Students, the Director of Admissions and the directors and advisers for the other special academic programs on campus.

The University faculty through the Faculty Council, the Academic Cabinet and the Curriculum Committee determines the general framework for UNC-G degree requirements and approves the programs submitted to it by the various academic units on campus. The UNC-G Board of Trustees acting within the framework outlined for UNC-G by the University of North Carolina Board of Governors determines general directions for UNC-G's academic programs.

Direct responsibility for administering academic programs rests within the various academic units described below.

## UNC-G Academic Divisions

The University is organized into a College of Arts and Sciences; professional schools of Business and Economics; Education; Health, Physical Education, Recreation and Dance; Home Economics; Music; Nursing; and a Graduate School. The College of Arts and Sciences, the School of Business and Economics and the Graduate School are described in general terms in this chapter. The departments comprising the first two of these, as well as the other professional Schools, are described in the Areas of Study Chapter.

## The College of Arts and Sciences

**Dean:** Robert L. Miller, 105 Foust Bldg.

**Assistant Dean:** Jeutonne P. Brewer, 105 Foust Bldg.

**Administrative Assistant:** Sibyl M. McKinney

The College of Arts and Sciences is composed of the departments of Anthropology, Art, Biology, Chemistry, Classical Civilization, Communication and Theatre, English, Geography, German and Russian, History, Mathematics, Philosophy, Physics, Political Science, Psychology, Religious Studies, Romance Languages, Social Work and Sociology. It also includes several Interdepartmental Programs, the Residential College, the Medical Technology Program and the Honors Program. Each of these departments and programs is described in the Areas of Study Chapter.

## Aims and Objectives

The College of Arts and Sciences serves as the center for study of the spirit and substance of the liberal arts. Defined as "the arts of the free man," liberal studies consist of the knowledge and skills which enable a person to examine critically the traditional wisdom of our cultures and to develop

an informed world view. The College encourages discovery and dissemination of knowledge through the study of that which is already known and through research and other creative activities, such as the practice of certain of the fine arts.

The basic undergraduate degree of the College is the Bachelor of Arts, traditionally a liberal arts degree. While other degrees offered by the College (Bachelor of Science, Bachelor of Science in Medical Technology and Bachelor of Fine Arts) contain professional and technical studies, they are viewed also as being primarily programs in the liberal arts.

## Student Responsibilities

In important ways the education of each person is, and should be, unique. The student has the responsibility for acquiring and using knowledge which will help make him a liberally educated person, whose life is marked by intelligence, productivity and enjoyment. It is essential that the student during the years of college make frequent assessment of his progress in learning. A student is encouraged to become acquainted with several faculty members who, together with friends and official advisers, can aid in this process. The information and course descriptions in the **Catalog** should be reviewed periodically. In this way the student can make responsible use of the freedom granted by the College curriculum. Freedom and self-motivation in the context of a rational plan of disciplined study are recognized by the faculty as fundamental in the liberal arts tradition. The student on his own initiative should seek relationships among the different subjects studied and should attempt to achieve a coherent intellectual perspective.

A liberally educated person characteristically has both a breadth of understanding and a specific focus for his knowledge. The College encourages breadth of study through its requirements in several areas and by granting the student freedom consciously to choose the experience of university-level study in as many fields as possible. Through the requirements of a major (and possible related area courses) the student experiences the intense discipline of critical reflection, empirical investigation and imaginative perception in a single identifiable area.

While it is impossible to define precisely the contents of a good liberal education, there is widespread agreement that experience in certain kinds of knowledge and intellectual skills is characteristic of a liberally educated person. Inasmuch as a full realization of all these possibilities cannot be completed in an undergraduate education, the student (with the help of his advisers) should emphasize in college the knowledge and skills of greatest value to him.

## Characteristics of Liberal Education

This discussion of the characteristics of liberal education is intended to help the student define goals and use the requirements and advice of the College in planning course work. Most of these characteristics may be found in the offerings of more than one department; none of them should escape the student's consideration.



## 1. Learning Proficiencies

### a. Language, Reasoning, and Discourse

One of the truly essential intellectual skills is the **ability to express thought clearly** in language. The ability to express complex ideas with clarity and coherence is essential to the liberally educated person, both in a career and outside it. The student should give special attention (at the outset of his college education) to improving his capacity to think clearly and to communicate effectively. The College requires six semester hours: English 101; and English 102 or an approved course in oral composition and delivery (Department of Communication and Theatre) or elementary logic (Department of Philosophy). As the student works with increasingly complex ideas in college, the need for further development of skills will be evident.

### b. Foreign Language

A knowledge of a foreign language is one of the characteristics of the liberally educated person. This knowledge may be put to practical use by students who travel or engage in research or graduate study, but more important is the unique vantage point from which our own modes of thought may be critically viewed through the learning of foreign languages and acquaintance with the cultures portrayed in them. The study of a foreign language is also a way of coming to know one's own language better. Indeed, increased skill in the use of language is advantageous in all disciplines. The College requires proficiency through the intermediate level in a foreign language: French, German, Greek, Italian, Latin, Russian, Spanish, or in the Self-Instructional Language Program (SILP). Maximum cultural profit from foreign language study is gained by continuing to more advanced level where the study of literature in its fullest possibilities is predominant in the courses.

Students who may wish to consider graduate study at any time in the future should be aware that many graduate programs demand knowledge of one or more foreign languages. Advice in this matter is available in the departments, and the student should make inquiries early in his career, allowing always for possible changes in major.

### c. Mathematics

Mathematics represents a significant achievement in the search for knowledge. It has influenced the way we think and the development of our science and technology. In recent years, the mathematical sciences have played an increasingly important and practical role in the natural and social sciences, business and economics, and many other areas. The College requires three semester hours.

## 2. College Core Course: Western Civilization

This course is intended to acquaint incoming students with the basic structure, concepts and development of western civilization. It is designed to provide students with the kind of general knowledge of basic themes and events forming the foundation of their own culture. Additionally, it is assumed that through a survey of the classical, medieval and modern periods, the core course will impart

a sense of chronology and development. This will not only provide students with a perspective useful in evaluating the events and crises of their own time but also familiarize them with institutions, personalities and ideas which have long formed the core of liberal education and which can continue to serve as a valuable foundation for further work in a great variety of fields. The College requires the six semester hour interdisciplinary core course.

## 3. Areas of Knowledge

### a. Natural Science

Because of the unparalleled advances in science during the twentieth century, no person now can consider himself educated without an understanding of natural science. The natural sciences develop their concepts from a study of the physical and biological aspects of man and the universe and teach a characteristic way of reasoning. Students considering majoring in a science are reminded that there is often an optimum course sequence in science and mathematics and are therefore urged to consult the appropriate departments for this information. The College requires 9-10 semester hours including: one course in physical science (chemistry, earth science, or physics) and one course in life science (biology, physical anthropology, or psychology). Since the natural sciences are primarily experimental sciences, to appreciate the manner in which the systematic study of the natural world is conducted, study in at least one laboratory science is required.

### b. Social and Behavioral Science

The social and behavioral sciences pursue a systematically structured and quantitative investigation of individuals, of society and of political action. An understanding of these methods of generalization and testing is obviously of great importance in the education of a responsible citizenry. From the purely intellectual point of view, the ability to see some elements of underlying order in the confusing abundance of peoples and social structures and patterns is an enlightening perspective. Some disciplines in the social and behavioral sciences emphasize social and other environmental factors affecting individual experience and behavior; others emphasize the structures and mechanisms of societies. The College requires nine semester hours: three courses from the following disciplines with not more than one course in each discipline: anthropology, communication science, economics, geography, political science, psychology or sociology.



## c. Humanities

## (1) Fine Arts

Distant cultures, as well as our own, often present themselves most vividly and enjoyably in the fine arts. Images, gestures and tones are media that permit the most direct expression of meaning, form and experiences. All students can enrich both their minds and their lives by participating in or learning about the arts of painting, sculpture, drama, dance and music. Familiarity with the arts is certainly essential to a fully cultivated person. Students are strongly encouraged to approach the arts through study of their history and principles. The College requires three semester hours: one course in art, drama, music, or dance.

## (2) Literature

The study of literature, which is the artistic interpretation and portrayal in words of the meaning of human experience, provides practical insight into the possibilities of language as used by its most effective masters and simultaneously reveals to the student realms of feeling and experience into which his personal life might never lead him or of which he might otherwise remain forever unconscious. Literature offers an excellent form of contact with distant ages and peoples. Its study leads to a more intense awareness of history and movements of thought and awakens appreciation of aesthetic elements in language and literary form. A number of courses offered by the foreign language departments are read and taught in English translation. (See page 62 for a list of these courses.) The College requires three semester

hours: one literature course in Classical Civilization, English, German and Russian or the Romance languages.

## (3) Foundations of Inquiry

Foundations of Inquiry involves the critical and evaluative study of what is fundamental to rational thought, to values and to symbolic expression. Some of its central questions include: How have individuals and communities understood the nature of the world and the ultimate meanings of life? What is morally right? What is knowledge and how can it be attained? These questions and the assumptions upon which they are grounded are fundamental to all intellectual inquiry and are most appropriately pursued within the areas of the history of ideas, philosophy and religious studies. The College requires three semester hours from among designated courses (CFI) offered by the Departments of History, Philosophy and Religious Studies.

## College Degree Requirements

The requirements for each of the degrees offered by the College of Arts and Sciences are included in the degree and major charts in the Areas of Study Chapter. Special regulations regarding the College of Arts and Sciences degrees are also discussed on page 62 of the Curriculum Chapter.

Students also should consult the Curriculum Chapter for a discussion of Plan II which allows students to develop their own degree and major programs.





Suggested Study Plan A  
for  
UNDECIDED MAJORS  
FOR COLLEGE OF ARTS AND SCIENCES STUDENTS

FRESHMAN  
(see page 62 for

explanation of  
abbreviations)

FALL	SEMESTER HOURS	SPRING	SEMESTER HOURS
Language, Reasoning, and Discourse (CLRD) <sup>1</sup>	3	Language, Reasoning, and Discourse (CLRD)	3
Foreign Language (CFL) <sup>2</sup>	3-4	Foreign Language (CFL)	3-4
Physical Science (CPS) <sup>3</sup> or Life Science (CLS)	3-4	Physical Science (CPS) or Life Science (CLS)	3-4
Mathematics (CMAT)	3	Social and Behavioral Science (CSBS)	3
Western Civilization (CWC)	3	Western Civilization (CWC)	3
Total Semester Hours	15-17		15-17

SOPHOMORE

Social and Behavioral Science (CSBS)	3	Social and Behavioral Science (CSBS)	3
Fine Arts (CFA) or Literature (CLIT) or Foundations of Inquiry (CFI)	6	Fine Arts (CFA) or Literature (CLIT) or Foundations of Inquiry (CFI)	3
Physical Science (CPS) or Life Science (CLS) <sup>3</sup>	3-4	Courses in proposed major	6
Course in proposed major, elective, or intermediate Foreign Language	3	Elective or intermediate Foreign Language	3
Total Semester Hours	15-16		15

<sup>1</sup>Students must take English 101.

<sup>2</sup>Proficiency through the intermediate level is required.

<sup>3</sup>The total natural science requirement (physical science and life science) is 9-10 semester hours. One course must include a laboratory.

For specific requirements in each category and a list of courses see pp. 61-63.



**Suggested Study Plan B**  
for  
**UNDECIDED MAJORS**  
FOR COLLEGE OF ARTS AND SCIENCES STUDENTS

FRESHMAN  
(see page 62 for

explanation of  
abbreviations)

	FALL	SEMESTER HOURS	SPRING	SEMESTER HOURS
Language, Reasoning, and Discourse (CLRD) <sup>1</sup>		3	Language, Reasoning, and Discourse (CLRD)	3
Foreign Language (CFL) <sup>2</sup>		3-4	Foreign Language (CFL)	3-4
Mathematics (CMAT)		3	Physical Science (CPS) <sup>3</sup> or Life Science (CLS)	3-4
Fine Arts (CFA) or Literature (CLIT) or Foundations of Inquiry (CFI)		3	Social and Behavioral Science (CSBS)	3
Western Civilization (CWC)		3	Western Civilization (CWC)	3
Total Semester Hours		15-16		15-17

SOPHOMORE

Social and Behavioral Science (CSBS)		3	Social and Behavioral Science (CSBS)	3
Fine Arts (CFA) or Literature (CLIT) or Foundations of Inquiry (CFI)		3	Fine Arts (CFA) or Literature (CLIT) or Foundations of Inquiry (CFI)	3
Physical Science (CPS) or Life Science (CLS) <sup>3</sup>		3-4	Physical Science (CPS) or Life Science (CLS)	3-4
Courses in proposed major, elective, or intermediate Foreign Language		6	Courses in proposed major, elective or intermediate Foreign Language	6
Total Semester Hours		15-16		15-16

<sup>1</sup>Students must take English 101.

<sup>2</sup>Proficiency through the intermediate level is required.

<sup>3</sup>The total natural science requirement (physical science and life science) is 9-10 semester hours. One course must include a laboratory.

For specific requirements in each category and a list of courses see pp. 61-63.



**Suggested Study Plan C**  
for  
**UNDECIDED MAJORS**  
FOR COLLEGE OF ARTS AND SCIENCES STUDENTS

FRESHMAN (see page 62 for explanation of abbreviations)	FALL	SEMESTER HOURS	SPRING	SEMESTER HOURS
	Language, Reasoning, and Discourse (CLRD) <sup>1</sup>	3	Language, Reasoning, and Discourse (CLRD)	3
	Foreign Language (CFL) <sup>2</sup>	3-4	Foreign Language (CFL)	3-4
	Fine Arts (CFA) or Literature (CLIT) or Foundations of Inquiry (CFI)	3	Fine Arts (CFA) or Literature (CLIT) or Foundations of Inquiry (CFI)	3
	Social and Behavioral Science (CSBS)	3	Social and Behavioral Science (CSBS)	3
	Western Civilization (CWC)	3	Western Civilization (CWC)	3
	Total Semester Hours	15-16		15-16

## SOPHOMORE

Mathematics (CMAT)	3	Social and Behavioral Science (CSBS)	3
Physical Science (CPS) <sup>2</sup> or Life Science (CLS)	3-4	Physical Science (CPS) or Life Science (CLS)	6-8
Fine Arts (CFA) or Literature (CLIT) or Foundations of Inquiry (CFI)	3	Courses in proposed major, electives, or intermediate Foreign Language	6
Courses in proposed major, electives, or intermediate Foreign Language	6		
Total Semester Hours	15-16		15-17

<sup>1</sup>Students must take English 101.

<sup>2</sup>Proficiency through the intermediate level is required.

<sup>3</sup>The total natural science requirement (physical science and life science) is 9-10 semester hours. One course must include a laboratory.

For specific requirements in each category and a list of courses see pp. 61-63.



## The School of Business and Economics

**Dean:** Philip Friedman.

**Associate Dean:** James K. Weeks, 401 Business & Economics Bldg.

**Director of Administrative and Fiscal Affairs:** Judy H. Johnson, 401 Business & Economics Bldg.

**Director of MBA:** Tony R. Wingler, 361 Business & Economics Bldg.

**Director of Center for Applied Research:** John G. Redmond, 301 Business & Economics Bldg.

**Director for Economic Education:** Stuart D. Allen, 445 Business & Economics Bldg.

**Director of MBA and MS Advising:** James H. Ogburn, 232 Business & Economics Bldg.

**Director of Undergraduate Advising:** 232 Business & Economics Bldg.

**Assistant to the Dean:** Robert D. Norton, 301 Business & Economics Bldg.

**Administrative Assistant:** Cordie B. Cahill, 401 Business & Economics Bldg.

**In the spring of 1985, the School of Business and Economics was reorganized into five academic departments, an instructional division, a Center for Applied Research and a Center for Economic Education. The departments are:**

**Accounting  
Economics  
Finance  
Information Systems and Operations Management  
Management**

**The division is the Division of Business and Marketing Education.**

Each department and division offers a program leading to the Bachelor of Science degree, and the Department of Economics also offers a liberal arts oriented curriculum leading to the Bachelor of Arts degree. Degree and major requirements for completion of each of the programs offered within the School are described in the departmental and division listings contained in the Areas of Study Chapter. The Center for Applied Research sponsors and conducts studies which are of particular relevance to economic and business developments in North Carolina, the Southeast and the nation. It publishes monographs, occasional papers and a periodical, *The North Carolina Review of Business and Economics*. The Center for Economic Education, which is affiliated with the North Carolina Council on Economic Education, works to improve understanding of economic affairs, primarily in collaboration with state and local school systems.

## Goals

Some students come to the School of Business and Economics with the clear objective of preparing for a career in business, teaching or government which is to begin immediately upon completion of their baccalaureate work. Others are aiming for admission to graduate study, while still others do not yet have explicit objectives. The undergraduate degree curricula offered within the School seek to provide

opportunities for all of these by combining the essentials of a professional education with considerable breadth of educational experience. An absolute minimum of 40% of the degree program must be taken outside the School of Business and Economics, and more general education than this is expected in most curricula.

Numerous courses are scheduled in the evening in order that the School may serve part-time students and full-time students who have class or job conflicts in the daytime hours. In addition, the School seeks to promote continuing educational experiences for a diverse public through non-credit courses and workshops and through bringing to the campus persons of national prominence for special lectures and seminars.

To the maximum possible extent, the School seeks to offer excellent instruction and other educational experiences to serious and qualified students without regard to age, race, sex or other characteristics which have no necessary relationship to academic accomplishment. It seeks also to collaborate where possible with other educational institutions. In this context, mention should be made of the collaboration of our School with its counterpart at North Carolina Agricultural and Technical State University (also located in Greensboro). Students at each institution may take work at the other if this cannot be taken on the home campus. Certain programs, such as Business and Marketing Education and Merchandising at UNC-G, and Agricultural Economics, Agri-Business, and Transportation at N.C.A.&T., are only available at one of the two institutions.

## Accreditation

UNC-G has been accredited for decades by the Southern Association of Colleges and Schools. In addition, the professional undergraduate and graduate programs offered by the School of Business and Economics are accredited by the American Assembly of Collegiate Schools of Business and, in the case of programs leading to certification to teach, by the National Council of Accreditation in Teacher Education and the North Carolina Department of Public Instruction.

## Admission to the School

**A student must be formally admitted to the School and to the Department in which a major is to be pursued in order to complete work for a B.S. or B.A. degree with a major in one of the School's departments.**

Applications for admission must be filed with the School of Business and Economics which will notify students of acceptance or rejection. **Students must be admitted to a department or the division within the School to be admitted to the School. Only students who have formal, written acceptance into the School will be permitted to register in advanced courses and complete work for the major involved.**

Students are eligible for admission if:

1. They have completed at least 39 semester hours of work with a minimum cumulative grade point average of 2.0 (on a 4.0 scale) either at UNC-G or in acceptable transfer credit. A minimum cumulative grade point average of 2.3 is required to be admitted as a major in Accounting.

NOTE: Selected academic units anticipate raising the



minimum grade point average required for admission. This applies to students entering the University for 1985-86.

2. They have successfully completed a group of essential foundation courses. These are:

For students in Bachelor of Science programs  
 ACC 201 and 202, Principles of Accounting I and II  
 ECO 201, Principles of Microeconomics  
 ECO 202, Principles of Macroeconomics  
 ECO 350, Economic and Business Statistics  
 ISM 234, Introduction to Business Information Systems  
 MAT 191, Calculus I

PSY 221, General Psychology or PSY 233, Introduction to Psychology

SOC 211, Introduction to Sociology

For students in the Bachelor of Arts program:

ECO 201, Principles of Microeconomics  
 ECO 202, Principles of Macroeconomics  
 ECO 350, Economic and Business Statistics  
 ISM 234, Introduction to Business Information Systems  
 or  
 ISM 235, Introduction to Digital Computer Programming  
 MAT 191, Calculus I

Application for admission to a department or the division within the School is possible while the students are still completing these foundation courses, but admission cannot be granted until they have been completed with passing grades.

**Admission should normally be sought during the second semester of the sophomore year. Students who appear to be following one of the School's curricula but who have not applied for admission may be prohibited from taking additional work within the School. Students may not enroll in more than 15 semester hours within the School of Business and Economics beyond the foundation level courses cited above without being admitted to the School.**

In special circumstances (such as transfer to UNC-G late in a degree program), students with academic records substantially better than the minimum required may petition the Head of the department or the division in which they hope to major for late admission.

Since foundation requirements are different, students who have been admitted to the B.A. program may not transfer to one of the B.S. programs without completing the additional foundation course requirements and being admitted to the B.S. program.

Holders of baccalaureate degrees who wish to work toward second bachelor's degrees should apply for admission immediately upon enrolling in the University and consult carefully with an adviser regarding requirements for completing the second degree.

**The School of Business and Economics cannot, at this time, accommodate persons who seek only to complete a series of courses in one field (such as Accounting or Management Information Systems). Those who enroll as candidates for second undergraduate degrees are expected to respect all course prerequisites and show evidence of orderly progress toward the second degree.**

Applications for admission to any of the graduate programs offered by the School of Business and Economics should be filed through the UNC-G Graduate School.

The stated requirements for admission are minimum

requirements, and bare compliance with them does not automatically imply admission. **The School reserves the right to refuse admission in cases where additional enrollments would threaten the academic quality of classes or programs and in cases where a review of an application suggests that the applicant lacks the ability, background or intellectual orientation necessary to benefit from the programs provided.**

## ○ Transfers

The School of Business and Economics receives a large number of transfer students. Since most of the courses in the major are taken during the junior and senior years, transfer students often complete their programs without extending their total stay beyond the usual four years. It is, however, a great advantage to take certain basic courses during the first two years of study, whether these are taken here or at another institution.

Students who are considering transferring to programs in the School of Business and Economics should consult with the departments or the division in which they expect to major as early as possible in order to avoid unnecessary delays in completing degrees. Students at institutions which offer only two years of work (community or junior colleges) should be aware that all business and economics courses taken may not be accepted in transfer. As a general guide, courses taught mainly to freshmen and sophomores here will usually be accepted in transfer from accredited two-year (community or private junior) colleges. These are courses with numbers below 300 in the course listings. Courses which are numbered 300 and above are intended for juniors and seniors, and these courses generally will not be accepted in transfer credit from two-year institutions. Students are reminded, however, that the University has procedures for attempting to obtain credit for any course by examination and that passing grades on CLEP examinations may be used to establish credit in a few courses.

## ○ Graduate Study

The School of Business and Economics offers curricula leading to the Master of Arts degree with a major in economics, the Master of Business Administration degree, the Master of Science degree in accounting, and the Master of Science in Business Education degree. Day and evening classes in these degree programs are available during the regular academic year and in the Summer Session.

Undergraduate students who are academically able and highly motivated should consider the possibility of graduate study and plan for it. All of the graduate degree programs offered within the School require a firm undergraduate foundation. This foundation can be acquired through proper selection of courses during the undergraduate degree program, thus making possible completion of a master's degree in less time than otherwise would be necessary.

Prospective graduate students may also acquire the necessary background after completion of their undergraduate programs, and many who majored in areas outside business or economics do so. More time is required to complete a master's program if essential background work was not taken while an undergraduate. Completion of graduate degrees through either full-time or part-time study is possible.



For detailed descriptions of admissions requirements, procedures and the programs themselves, see the **Graduate School Catalog**.

### Special Events

The School recognizes the value of special educational events to its faculty and students, to the University and to the region and State. Seminars, short courses, workshops and other educational endeavors are held throughout the year as the demand for them and the resources of the school permit.

Distinguished lecturers from other universities, the business world and government are brought to the campus under the sponsorship of the School or one of its constituent departments. Of particular note is the Kathleen Price Bryan Lecture Series, a permanently endowed program. Funds to support the series, as well as the related Kathleen Price Bryan Professorship, were provided by Mrs. Bryan, a Greensboro resident, to further education in personal financial management and consumer affairs.

### Scholarships and Fellowships

**Undergraduate scholarships** are available for academically talented students majoring in the School of Business and Economics. Freshman applicants may apply through the University Competitive Scholars program for the **Kathleen Price and Joseph M. Bryan Scholarship** and for the **NCNB Scholarship**. Recipients of the scholarships will be known as Bryan Scholars or NCNB Scholars, will receive renewable awards in the amount of \$1,500 per year, and will have the opportunity to participate in a variety of specially designed co-curricular activities.

**Graduate** student applicants may apply for the **Kathleen Price and Joseph M. Bryan Fellowship**. Recipients of a fellowship will be known as Bryan Fellows, will receive renewable awards in the amount of \$2,000-\$4,000 per year, and will have the opportunity to work with faculty in a research associate role.

### Requirements for Degrees, Majors, Minors and Concentrations

Requirements for degrees, majors and concentrations are found in the Areas of Study Chapter under the appropriate subject matter headings. The major programs in Accounting and Economics do not have formal concentrations within them. The major in Finance has two concentrations within it. These are:

- Financial Management
- Risk Management and Insurance

The major in Information Systems and Operations Management has three concentrations within it. These are:

- Management Information Systems
- Office Systems Administration
- Operations Management

The major in Management has four concentrations within it. These are:

- Management Policy
- Personnel Management
- Marketing Management
- Merchandising Management

The Division of Business and Marketing Education offers a

major in Marketing Education and a major in Business Education. Both majors lead to certification to teach. The major in Business Education has two concentrations within it. These are:

- Basic Business Education
- Comprehensive Business Education

The University has made provision for students to complete majors in two fields or to complete a major and a minor. Students whose first major is outside the School of Business and Economics should initially consult their major department or the division to see whether a second major in one of our fields is permitted. If it is, they should then consult the appropriate department within the School regarding requirements for completion of the second major if this is permitted. Students seeking a second major within the School must meet all admission requirements and must complete all work required of students whose first major is in one of our disciplines, including all work considered prerequisite to courses in the major and any special requirements of the degree received by those of our own students who choose the same major.

Double majors involving two fields within the School and minors in certain fields are possible in some cases. Interested students should seek information about these from the appropriate departments or the division at the time they seek to enter such programs.

### Sequencing of Course Work

Many students are eager to begin to take courses in their major field as soon as possible and sometimes attempt to do so before they should. It is **not** desirable to begin work in the major during the freshman year, and specialized courses should be reserved for the junior and senior years. The programs offered by the School vary considerably in flexibility. The professional programs, all of which terminate in the Bachelor of Science degree, must be approached with care, and students are urged to consult frequently with their advisers regarding the planning of schedules.

All professional programs are to provide a common body of knowledge in business and related fields. The common body of knowledge consists of the following courses:

- ACC 201 - Principles of Accounting I
- ACC 202 - Principles of Accounting II
- ECO 201 - Principles of Microeconomics
- ECO 202 - Principles of Macroeconomics
- ECO 350 - Economic and Business Statistics
- FIN 340 - Business Finance
- ISM 234 - Introduction to Business Information Systems
- ISM 360 - Production Management
- MGT 310 - Principles of Management
- MGT 320 - Principles of Marketing
- MGT 330 - The Legal Environment of Business
- MGT 491 - Business Policy and Strategy

The order in which these courses are taken is important. As a general guide, the sample schedule set forth below should be helpful to all persons seeking to complete a B.S. program.

NOTE: The B.S. program in accounting requires 129 semester hours, and more than the minimum of 122 semester hours may be required in certain teacher education programs. In addition to the specific courses listed below, majors in accounting must take COM 341, and majors in finance and in



management must take COM 341, ENG 102, WCV 101, 102 and PSC 200. These courses may be used as electives or used to meet certain University-wide requirements.

### SUGGESTED SCHEDULE

#### Freshman Year

English Composition*	0-3 s.h.
Natural Science*	3 or 4 s.h.
MAT 191**	3 s.h.
SOC 211*	3 s.h.
PSY 221 or 223*	3 or 4 s.h.
Humanities*	6 s.h.
Behavioral Science, Natural Science, Mathematics, Social Science or Foreign Language***	at least 6 s.h.
Electives	at least 3 s.h.
Total	at least 30 s.h.

\*Necessary to satisfy general degree requirements.

\*\*Necessary to satisfy general degree requirements;  
MAT 119 or other mathematics may have to be taken before 191.

\*\*\*Necessary to satisfy general degree requirements;  
must be taken outside the School of Business and Economics.

#### Sophomore Year, First Semester

ACC 201	3 s.h.
ECO 201	3 s.h.
ISM 234 or ECO 350*	3 s.h.
Humanities**	3 s.h.
Behavioral Science, Natural Science, Mathematics, Social Science or Foreign Language***	3 s.h.
Total	at least 15 s.h.

#### Second Semester

ACC 202	3 s.h.
ECO 202	3 s.h.
ISM 234 or ECO 350*	3 s.h.
Behavioral or Social Science***	3 s.h.
Electives	at least 3 s.h.
Total	at least 15 s.h.

\*Both ISM 234 and ECO 350 are required and should be taken during the sophomore year.

\*\*Necessary to satisfy general degree requirements.

\*\*\*Necessary to satisfy general degree requirements;  
must be taken outside the School of Business and Economics.

#### Junior Year, First Semester

MGT 310	3 s.h.
MGT 320	3 s.h.
MGT 330	3 s.h.
Other major requirements or electives	at least 6 s.h.
Total	at least 15 s.h.

#### Second Semester

FIN 340	3 s.h.
ISM 360	3 s.h.
Other major requirements or electives	at least 9 s.h.
Total	at least 15 s.h.

#### Senior Year

MGT 491	3 s.h.
Other major requirements or electives	at least 27 s.h.
Total	at least 30 s.h.
Total semester hours required for the degree	at least 122 s.h.

All course requirements apply equally to students whose first (or only) major is in one of the School's curricula and to students whose first major is outside the School but who seek a second major within it. No exceptions will be made, although certain requirements may be met in some cases with courses transferred to UNC-G, and substantially equivalent courses with different names taken here may also be acceptable provided that they had been taken **prior to** entry into one of the School's programs. Determination of course equivalency in questionable cases will be made by the Dean of the School.

### The School of Health, Physical Education, Recreation and Dance

Dean: Richard A. Swanson.

Assistant Dean: Marian K. Solleder

The School of Health, Physical Education, Recreation and Dance offers varied degree programs through its four academic Departments. Undergraduate and graduate major programs, minors and elective courses for all students are available through the Departments of Dance, Physical Education, Public Health Education and Recreation and Leisure Studies.

Detailed information about program concentrations and requirements and a complete listing of all course offerings in the School will be found on pages 138-155.

### Graduate School

Dean's Office: 240 Mossman Administration Bldg.

Assistant Dean's Office: 235 Mossman Administration Bldg.

Graduate degree programs and Certificates of Advanced Study include the following:

#### Master's Degree Level

**Master of Arts** — Majors in biology; drama; economics; applied economics; education of the deaf; English; French; general speech (including broadcasting/cinema, speech communication and applied communication); history; mathematics; political science; psychology; sociology; Spanish; speech pathology and audiology.

#### Master of Business Administration

**Master of Education** — Majors in art; biology; chemistry; child development and family relations; clothing and textiles; counseling and guidance; drama; education of the deaf; educational administration; educational research and evaluation; educational supervision; elementary education (including early childhood education); English; food, nutrition and food service management; French; general speech (including speech communication and



broadcasting/cinema); health education; history; home economics education; housing and management; mathematics; middle grades education; physical education; physics; science; social studies; Spanish; special education (gifted and talented; cross-categorical); speech pathology and audiology.

**Master of Fine Arts** — Majors in creative writing; dance; drama; studio arts.

#### **Master of Library Science**

**Master of Music** — Majors in applied music (including performance, vocal pedagogy, accompanying, choral conducting, instrumental conducting, and woodwinds); composition; music education; theory.

#### **Master of Public Affairs**

**Master of Science** — Majors in accounting; chemistry; child development and family relations; clothing and textiles; food, nutrition and food service management; home economics education; housing and management; interior design; physical education; physics.

#### **Master of Science in Business Education**

**Master of Science In Home Economics** — Majors in child development and family relations; clothing and textiles; food, nutrition and food service management; home economics education; housing and management.

#### **Master of Science in Nursing** — 58

#### **Specialist Level**

**Specialist In Education** — Majors in counseling and guidance; educational administration.

**Certificate of Advanced Study** — Majors in elementary education; educational supervision; home economics education; music education; English education; business education and distributive education; mathematics education; social studies education; physical education.

#### **Doctoral Degree Level**

**Doctor of Education** — Majors in counseling and guidance; curriculum and teaching; educational administration; music education; physical education.

#### **Doctor of Musical Arts**

**Doctor of Philosophy** — Majors in English; home economics (concentrations in child development and family relations; clothing and textiles; food, nutrition and food service management; home economics education; housing and management); psychology.

For further information and admissions requirements, consult the **Graduate School Catalog**.

### **Continuing Education**

Academic and other divisions of UNC-G offer a variety of educational services to the citizens of North Carolina through the Office of Continuing Education. These services include extension-credit courses in off-campus settings, including undergraduate general education programs at nearby

technical colleges. Extension credit courses are also offered on the UNC-G campus under special circumstances.

The Office of Continuing Education offers a variety of non-credit short courses, workshops and seminars designed to meet the professional or personal educational needs of the community. The program includes learning opportunities for youth and adults, often without regard to educational background. Many offer Continuing Education Units to participants.

The State provides continuing education programs only on a self-supporting basis. Registered students are welcome to enroll in such courses for the same fees other participants are charged.

Through its Auditors Program, the Office of Continuing Education provides individuals in the community an opportunity to attend informally most regularly scheduled University courses. Attendance is on a space available basis, and no credit is earned by participants. A fee of \$15 is charged for most courses, with a \$40 fee for activity courses in Dance and Physical Education. Fees are waived for persons 65 or older.

Consult the Office of Continuing Education for further information or to request brochures and announcements about its special programs.

### **Summer Session**

The Summer Session at UNC-G coordinates a wide variety of courses from the six professional schools and the College of Arts and Sciences. Summer courses are typically scheduled for six weeks to serve the needs and interests of the summer student population, although many courses vary from this schedule.

Among the students in Summer Session are UNC-G graduates and undergraduates who are beginning or continuing study in the summer, students from other colleges and universities who are visiting UNC-G, rising juniors and seniors from area high schools who are "banking" credit until graduation, professionals who are upgrading skills and competencies and community residents seeking growth opportunities.

All persons not currently enrolled at UNC-G who wish to enroll in Summer Session must submit a Summer Session application. In addition, new undergraduate students who desire to continue study at UNC-G in the fall should contact the Office of Admissions for application forms. New graduate students who wish to continue in the fall should contact the Graduate School for graduate application forms.

Current students at UNC-G may preregister for the summer during the April preregistration period.

For more information contact the Summer Session Office or consult the Summer Session bulletin.

### **Other Undergraduate Academic Programs**

UNC-G's Honors, Study Abroad, International Studies, Women's Studies and Preprofessional Programs are described in the Areas of Study Chapter.

# The UNC-G Undergraduate Curriculum





# The UNC-G Undergraduate Curriculum

The UNC-G undergraduate curriculum was revised in 1971 to provide the student more choice and flexibility in selecting specific courses and in planning degree programs. A committee of students and faculty was responsible for the recommendations which were approved by the Faculty Council and became effective in the fall of 1972.

Basically these revisions make possible the following:

1. UNC-G no longer requires that any **single** course be taken by **all students** on campus. Instead, UNC-G has established a framework of area requirements which must be included in all degree programs. Students select the specific courses they wish to take to satisfy these area requirements.
2. For students whose academic interests and needs are not met by one of UNC-G's seven degrees, the University has a special curriculum option — Plan II — which allows students to tailor their own programs subject to faculty approval. Plan II is discussed on page 63.

## All-University Degree Framework

All degrees awarded by UNC-G must be structured in such a way that each fits into the all-University degree framework. This framework establishes the following:

1. A minimum number of semester hours work in liberal education — 36.
2. A maximum number of semester hours which can be required in the major subject and related areas — 60.
3. A minimum number of elective semester hours which all students must be allowed — 26. (Where specific accreditation or certification requirements demand a higher total in the major or related areas, free elective courses may be used to meet such requirements.)

Furthermore, it requires that each UNC-G graduate must have passed a minimum of 122 semester hours of work and must have earned a 2.0 quality point ratio on the hours attempted. Each graduate must also have been in residence for the last year (30 hours) of work. See Academic Regulations Chapter for exceptions to the residence requirement.

At least 36 of the student's last 60 semester hours shall be taken in courses at the 300-level or above. Not more than 12 of the last 60 semester hours may be taken at the 100-level. When, however, this regulation works a special hardship on the student, adjustments may be made by the Dean of Academic Advising and the student's major adviser.

The College of Arts and Sciences and the schools of Business and Economics; Education; Health, Physical Education, Recreation and Dance; Home Economics; Music; and Nursing have structured their individual degree programs to comply with this all-University degree framework. However, differences in degree requirements exist. For instance, the College of Arts and Sciences requires all its B.A. and B.S. degree candidates to demonstrate a foreign language proficiency. This is not specified in the all-University framework. However, students are reminded that they will be eligible for election to the UNC-G Chapter of Phi Beta Kappa only if they have completed the equivalent of six hours of

foreign language study at the intermediate college level.

Outlines of requirements for each degree, major and concentration within a major are listed in alphabetical order by the major in the Areas of Study Chapter. Consult these in planning programs of study.

## All-University Liberal Education Requirements

Common to all degree programs is a core of liberal education requirements. These are explained in detail here and are briefly mentioned in the specific major and degree requirement charts.

### 1. One course in English composition.

Freshmen may choose ENG 101 or 102.

Students in the Residential College may elect RCO 101.

Upperclassmen may choose ENG 223 or 224.

**Exemption** is awarded to students who have demonstrated a proficiency in English composition on the "Advanced Placement Examinations" or on the "Achievement Test in English Composition" administered by the College Entrance Examination Board. The Office of Admissions notifies students whose scores are high enough to merit exemption with or without credit. Students receiving credit for this requirement (those with the highest scores) may count three semester hour credits toward the total number of semester hour credits required for their degree. Students receiving exemption without credit may elect another course from any department, including English.

### 2. Eleven courses of approved work selected from the following general areas of knowledge: Humanities (H), Natural Sciences and Mathematics (NSM), and Social and Behavioral Sciences (SBS).

A. Seven of these courses must be selected as follows. None can be in the major.

1. Three courses from the Humanities Area.
2. Two courses from the Natural Sciences and Mathematics Areas.
3. Two courses from the Social and Behavioral Sciences Area.

**Note:** Courses from the same discipline cannot be used to satisfy the requirements in more than one area. For instance, if you select PHI 111 to satisfy your Humanities requirement, you cannot select PHI 211 to fulfill your Natural Sciences and Mathematics requirement.

B. The remaining four courses can be from any one, all or combination of the above areas, or in an elementary foreign language. None can be in the major.



### Courses Satisfying General Knowledge Requirements

The courses listed below have been approved as meeting requirements in the general areas of knowledge. The appropriate designation as shown in parentheses below is included in the description of courses approved to meet these requirements.

#### Humanities (H)

- Art** 105, 106, 301, 303, 304, 305, 306
- Classical Civilization** 201, 205, 211, 212, 221, 311, 313, 315, 335, 336, 397, 398
- Communication and Theatre** 121, 171, 205, 221, 320, 370, 380
- Dance** 100, 200, 201, 202
- Education** 375
- English** 104, 105, 106, 107, 201, 202, 211, 212, 213, 235, 241, 251, 252, 261, 329, 330, 331, 337, 338, 339, 340, 342, 344, 345, 349, 350, 351, 352, 353, 358, 360, 371, 375, 382
- French** 203, 204, 205, 206, 222, 224, 303, 312, 322, 332, 342, 352, 362, 371a, 371b, 380
- German** 203, 204, 205, 206, 215, 216, 217, 218, 221, 301, 302, 303, 304, 308, 315, 316, 323, 324, 327, 328, 333, 334, 337, 338, 347, 348, 349
- Greek** 201-202, 203, 204, 325, 326, 350, 351, 352, 353
- History** 255, 311
- Italian** 203, 204, 222, 293, 294
- Latin** 203, 204, 301, 302, 303, 326, 333, 342
- Music** 214, 241, 243, 331, 332, 342, 343, 344
- Philosophy** 111, 115, 119, 121, 201, 220, 231, 251, 252, 259, 267, 319, 321, 322, 325, 330, 335, 343a, 343b, 343c, 343d, 348, 351, 353, 357, 361
- Physical Education** 290
- Religious Studies** 110, 201, 202, 204, 205, 207, 210, 211, 221, 222, 225, 231, 259, 307, 309, 315, 324, 326, 331, 335, 341, 343a, 343b, 343c, 343d, 351, 352, 365
- Russian** 201, 202, 203-204, 313, 314, 315, 316
- Spanish** 203, 204, 205, 206, 222, 271, 321, 324, 326, 329, 330, 331, 333, 334, 393, 394
- Western Civilization** 101, 102
- World Literature** 301

#### Natural Sciences and Mathematics (NSM)

- Anthropology** 253
- Biology** 101, 102, 105, 222, 241, 271, 277, 301, 324, 355, 372
- Chemistry** 103, 104, 111, 111L, 114, 114L, 205, 242, 306, 331, 333, 351, 352
- Computer Science** 136, 336, 342
- Geography** 103, 111, 112, 205, 211, 212, 312, 330
- Mathematics** 112, 119, 121, 191, 220, 292, 293, 311, 312, 320, 340, 345, 390, 394
- Philosophy** 211, 311
- Physics** 101, 102, 203, 207, 208, 209, 235, 291, 292, 303, 305, 307, 308, 322, 323, 324, 331, 332, 334
- Psychology** 223, 223L
- Statistics** 108, 343, 371

#### Social and Behavioral Sciences (SBS)

- Anthropology** 201, 212, 213, 231, 233, 235, 237, 258, 345, 360, 362, 385, 387
- Child Development and Family Relations** 212
- Classical Civilization** 314
- Communication and Theatre** 106, 132, 172, 206, 207, 240, 340
- Economics** 101, 201, 202, 260, 311, 327, 336, 345, 346, 363, 370, 375
- Geography** 101, 114, 201, 202, 301, 302, 303, 322, 338, 344
- Health** 360
- History** 101, 102, 207, 208, 209, 211, 212, 213, 215, 216, 217, 218, 228, 233, 239, 240, 273, 274, 277, 278, 291, 292, 301, 302, 305, 307, 308, 313, 332, 337, 338, 339, 340, 341, 342, 347, 348, 350, 351, 353, 354, 355, 356, 357, 358, 361, 363, 365, 367, 381, 383, 384, 385, 386
- Management** 312
- Physical Education** 291
- Political Science** 105, 200, 210, 223, 240, 250, 260, 301, 305, 306, 310, 316, 317, 322, 324, 325, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 340, 341, 342, 343, 344, 345, 346, 355, 361, 381, 391, 399
- Psychology** 221, 312, 326, 341, 342, 345, 346, 347, 361
- Recreation** 341
- Social Work** 311
- Sociology** 201, 211, 222, 232, 311, 313, 317, 318, 324, 327, 331, 339, 343, 355, 366
- Women's Studies** 250

#### Other Degree/Major Requirements

The major requirements (including courses required for concentrations within a major) and related area requirements are established by the department or school involved. Consult appropriate degree and major charts in Areas of Study Chapter for exact requirements.

#### Additional College of Arts and Sciences B.A. and B.S. Requirements and Program Options

Because the Bachelor of Arts and Bachelor of Science degree programs within the College of Arts and Sciences involve a majority of UNC-G students, comments need to be made about additional degree requirements established by the College.

Students majoring in anthropology, art, biology, chemistry, communication and theatre, English, French, geography, German, Greek, history, interdepartmental studies, Latin, mathematics, medical technology, philosophy, physics, political science, psychology, religious studies, social work, sociology, and Spanish are affected by these requirements. **Students who have not selected a major should follow an Arts and Sciences Suggested Study Plan.**

**Regulations Regarding Liberal Education Requirements.** The liberal education requirements of the College of Arts and Sciences are structured within five broad categories:



Learning Proficiencies (15 credit hours), the College Core Course in Western Civilization (6 hours), and the three General Areas of Knowledge consisting of Humanities (9 hours), Natural Science (9-10 hours), and Social and Behavioral Science (9 hours). Students who complete the College requirements will also satisfy the all-University requirements. The appropriate College designation shown in parentheses below is included in the description of courses approved to meet these requirements. For example (CLRD) in a course description indicates that the course may be used to satisfy the Language, Reasoning and Discourse requirement. The specific requirements within each of these categories follow:†

1. Learning Proficiencies — 15 hours
  - a. Language, Reasoning, and Discourse (CLRD), (6 hours)  
Students must take English 101.  
English 101, 102  
Philosophy 115  
Communication and Theatre 105, 231
  - b. Foreign Language (CFL), (6 hours)  
Foreign Language proficiency through the intermediate level must be demonstrated.  
French 203, 204  
German 203, 204  
Greek 203, 204  
Italian 203, 204  
Latin 203, 204  
Russian 203-204  
Spanish 203, 204
  - c. Mathematics (CMAT), (3 hours)  
Mathematics 112, 119, 121, 191  
Statistics 108
2. College Core Course (CWC) — 6 hours  
A two-semester interdisciplinary course in Western Civilization.  
Western Civilization 101, 102
3. Humanities — 9 hours  
One course from each category:
  - a. Fine Arts (CFA), (3 hours)  
Art 105, 106  
Dance 100, 200, 201, 202  
Music 241, 342  
Communication and Theatre 121, 171
  - b. Literature (CLIT), (3 hours)
    - (1) In foreign language  
French 206  
German 215, 216  
Spanish 205, 206
    - (2) In English or English translation  
Classical Civilization 205, 221, 335, 336  
English 211, 212, 213, 251, 252  
French 222  
German 217, 218  
Italian 222  
Russian 201, 202  
Spanish 222

- c. Foundations of Inquiry (CFI), (3 hours)  
History 255, 311  
Philosophy 111, 119, 251, 252  
Religious Studies 110, 201, 205, 207
4. Natural Science — 9-10 hours  
One course must include a laboratory; these courses are indicated by an asterisk.
  - a. Physical Science (CPS), (3-7 hours)  
Chemistry 103, 104\*, 111, 111L\*, 114, 114L\*, 306\*  
Geography 103, 111\*, 112\*, 211\*, 212\*  
Physics 101\*, 102\*, 203, 209, 235, 291\*, 292\*, 305\*
  - b. Life Science (CLS), (3-7 hours)  
Anthropology 253\*  
Biology 101\*, 102\*, 105  
Psychology 223, 223L\*
5. Social and Behavioral Science (CSBS) — 9 hours  
Three courses with no more than one course from any one department.  
Anthropology 201, 212, 213, 258  
Communication and Theatre 106, 172, 240  
Economics 101, 201, 202  
Geography 101, 114, 201, 202  
Political Science 105, 200, 210, 223, 240, 250, 260  
Psychology 221  
Sociology 201, 211, 222, 232

†The student can count a course in the major to satisfy College liberal education requirements.

**Note:** Students who complete the College Liberal Education requirements will at the same time satisfy All-University Liberal Education requirements. Students who do not complete the College requirements, because of a change of major or some other reason, should note that courses from the same discipline cannot be used to satisfy All-University Liberal Education requirements in more than one area of knowledge (Humanities, Natural Sciences and Mathematics, and Social and Behavioral Sciences). For example, if the student selects GEO 111 to satisfy the University Natural Sciences and Mathematics requirement, he cannot select GEO 101 to satisfy the Social and Behavioral Sciences requirement.

Native speakers of foreign languages from foreign countries must satisfy the foreign language requirement in the following way:

- (a) English 101
- (b) English 102 or 103 (Philosophy 115 or Communication and Theatre 105 or 231 to complete the College Language Reasoning and Discourse requirement if English 102 is not chosen)
- (c) English 223 or 224
- (d) Three semester hours of English at the 200-level or higher.

Any student may place out of these requirements by passing appropriate examinations.

When a deaf student or a student with any communication disability cannot fulfill the language requirements by the usual means, one of the following alternatives may be substituted:



1. Any two courses in foreign language in translation or in the history and traditions of non-English speaking cultures. Specific courses which could be chosen would include German 301, 302, 303, 304, 315 or 316; Russian 201, 202, 313, 314, 315, 316, or 511; Classical Civilization 205, 221, 335, 336, 397, or 398; English 201 or 202.

2. Any two courses from the following courses in study of language: Classical Civilization 201, English 260 and/or 321, Anthropology 385 and/or 387.

**Hours in the Major Subject.** A Bachelor of Arts candidate in the College of Arts and Sciences must take a minimum of 24 and may take a maximum of 36 semester hours in courses above the 100 level in his major subject. For a Bachelor of Science candidate, the maximum is 42 semester hours. He may take more than 36 or 42 semester hours, but they cannot be counted toward his degree. However, if a candidate for either degree takes courses in his major above the 100 level during his freshman year (because of advanced placement, for example), the maximum number of hours in that subject accepted toward graduation will be increased by the number of hours so taken.

**Cross-Listed Courses.** A student taking a course cross-listed in his major department must register for it within the major; i.e., these hours count in determining the total in the major.

### Program Options

**Interdepartmental Major.** The College offers courses that can be organized into many intellectually legitimate patterns of interdepartmental study. Some programs, designed by faculty committees, are listed elsewhere in the **Catalog**, e.g., International Studies (including Russian Studies and others), Linguistics, Urban Studies and World Literature. Furthermore, when it can be shown that the existing programs within the College cannot be combined in such a way as to meet the academic or professional needs of the students, a student may petition to be permitted to pursue an interdepartmental major designed specifically to his needs. However, if the proposed program will require a waiver in the distribution requirements of the University, the student should pursue a Plan II program (see below) which does allow for the possibility of waiving such University-wide requirements. On the other hand, if exceptions to University-wide requirements are not required, the student in the College of Arts and Sciences should pursue the student-designed Interdepartmental Major. A student interested in pursuing this possibility should first discuss this intention with his faculty adviser and then consult with the Assistant Dean of the College (Room 105, Foust Building). If the request seems justifiable, a faculty committee is appointed consisting of members of the departments in which most of the courses are taught to work with the student in developing a program that meets his needs in an academically feasible and coherent manner. This program is presented to the Board of Interdepartmental Studies. If approved, the student pursues this interdepartmental program as a major and is advised by the Office of the Dean of Academic Advising.

**Second Majors.** The College offers second majors, which may be taken in conjunction with the first major. This program requires between 24 and 42 hours (for example, Bachelor of Science programs and some interdepartmental

majors) in each of two approved majors. Although each major must meet all of the requirements of the department, the hours from the second major can be applied toward the University-wide distribution requirements. A student with a first major outside the College who chooses a second major in one of the departments in the College is required to complete all of the departmental requirements for the second major but is not required to satisfy the College liberal education requirements. In the case of transfer students, at least twelve hours in each major must be taken at UNC-G. Students wishing to complete a second major should contact the Office of the Dean of Academic Advising so that an adviser can be appointed in each major.

**Minor Field.** All departments and interdepartmental programs in the College offer a minor program which may be taken in conjunction with a major. A minor is not required but is an option available to an interested student. Some departments have listed minimum requirements for the minor in this catalog; minor programs in other departments may be arranged. Interdepartmental programs that are available only as minors are: Population Studies and Women's Studies. The minor, in general, requires from 15 to 21 hours in a department or area with no more than eight hours at the 100 level. At least nine of the hours applied toward the minor must have been taken at UNC-G. Further information may be obtained from the College Office, the Office of the Dean of Academic Advising or the student's adviser. Students wishing to pursue a minor should notify the Office of the Dean of Academic Advising of their intention.

### Plan II — Special Curriculum Option

For students whose needs are not met by the formal majors and degrees offered at UNC-G, a special curriculum option exists. This option—called Plan II—allows students to design their own course of study.

Students interested in Plan II submit in writing to the Dean of Academic Advising a proposed course of study in which they explain their educational goals and why they cannot be met through the conventional degree programs. This should be done not later than the beginning of the senior year and after consultation with the student's adviser. The dean, after consultation with an appropriate member of the primary department concerned, refers the proposal for approval, modification or rejection to the members of a committee of the department(s), school or college. If approved by this committee, the proposal shall then be submitted for formal approval, modification or rejection to the Curriculum Committee.

The proposed course of study must include a minimum of 122 semester hours of credit, but the program may change the total number of hours permitted in the major subject or concentration.

Minor modifications of an approved Plan II program may be made by the student and the student's adviser. Major modifications—more than two courses or changes that affect the direction and purpose of the program—must be referred to the Curriculum Committee.

The record of a student completing a program of study under Plan II carries the notation "Plan II, Specially Designed Program of Study."

# Academic Regulations and Procedures



# Academic Regulations and Procedures

Each student is responsible for the proper completion of his academic program based on the requirements stated in the **UNC-G Catalog**. Advisers are available to help students with planning and with academic problems, but the responsibility remains with the student.

## Academic Honor Code

The complete statement of the Academic Honor Code is printed in the Student Handbook. The Student Handbook is available to all students in Elliott University Center.

## Academic Advising

The Office of the Dean of Academic Advising coordinates the academic advising for undergraduate students.

Each student is assigned a faculty adviser. This adviser meets with the student during orientation, preregistration and at such times that the student needs advice to help in selecting courses and assistance in planning an individual program of study.

Once a major is selected, the student works with an assigned faculty adviser from the appropriate department or school. A staff of academic advisers is available in the Office of the Dean of Academic Advising from 8 a.m. to 5 p.m. Monday through Friday, to answer questions and to assist students with academic matters beyond the scope of the faculty adviser.

The Academic Appeals Committee, appointed from the faculty, considers special and meritorious requests for waiver of academic regulations stated in the **UNC-G Catalog**. The student should consult the Office of the Dean of Academic Advising for instructions concerning this appeal process.

## Registration

**Freshmen and transfer students** register for courses after the completion of their orientation programs. Dates are given in the UNC-G Calendar.

**Former, special or unclassified students** receive registration notices by mail specifying a particular date to report for registration.

**Continuing Students**, those enrolled in UNC-G who are returning for another semester of work, may preregister at the end of one semester for the next semester. The student's schedule request card must be endorsed by the student's faculty adviser. Dates for preregistration are given in the UNC-G Calendar.

## Selecting Courses

### Course Loads

Undergraduates normally take about five courses per semester. Because the majority of courses carry three semester hours of credit with some carrying four hours of credit, this works out to 15 or 16 hours per semester. Students may not take more than 18 hours per semester except with the approval of the Dean of Academic Advising.

Students who have cumulative quality point ratios of 3.0 may be authorized, in special circumstances and at the discretion of the Dean of Academic Advising, to carry a maximum of 19 or 20 semester hours of course work.

A student must be enrolled for 12 hours to qualify for full-time certification to any organization and to reside in University housing.

## Dropping Courses

Withdrawal from a course or courses within the first six weeks of the semester shall be without penalty and hours **shall not be computed** as hours attempted.

Withdrawal from a course or courses after the first six weeks **except** for appropriate cause determined by medical, counseling or administrative circumstances **shall be counted as WF** and computed in the grade point average.

The grade **W** indicates that the student either withdrew from the course within the six-week, no-penalty period or that he withdrew at a later date for appropriate cause determined by medical, counseling or administrative circumstances.

## Withdrawal from the University

A student wishing to withdraw from the University must follow the official procedure which is initiated in the Office of the Dean of Academic Advising. If a student is enrolled in only one course and drops that course, the student must follow the official withdrawal procedure.

## Adding Courses

Courses may be added to a student's schedule during a one-week period at the beginning of each semester. After this one-week period has passed, a student desiring to add a course must receive the approval of the Dean of Academic Advising and the instructor of the course. Unusual circumstances must be demonstrated.

## Auditing a Course

Regular full-time students may audit a course upon the written approval of their faculty adviser and the instructor. Auditors must register officially for the class. Attendance, preparation, and participation in the classroom discussion and laboratory exercises shall be at the discretion of the instructor. An auditor is not required to take examinations and tests and receives no credit for the course.

Students may not change their registration from audit to credit or from credit to audit after the one-week add period ends.

See page 33 for regulations regarding visiting auditors and part-time auditing students.

## Class Attendance Regulations

The responsibility for class attendance is specifically placed on the individual student. Each student must recognize the vital aspects of class attendance and the fact that the value of academic experience cannot be fully measured by testing procedures alone. Each student must appreciate the necessity and privilege of regular class attendance, accept this personal responsibility and accept the consequences of failure to attend class.



If a student's repeated absences threaten his progress in the course or impede the progress of the class, a student may be asked to withdraw from the course and be given a failing grade.

### Student Responsibility

1. Students are responsible for all material covered in each course for which they are registered. In no instance does absence from class relieve the student from the responsibility for the performance of any part of the course work.

2. Students are responsible for complying with any special attendance regulations specified by the instructor.

3. Students are responsible for initiating any request to make up work missed because of class absence. The decision to assist the student with "make-up" work, including tests, in every case rests with the instructor. In cases involving the Student Health Service, the instructor may call the Student Health Center to verify that a health problem did or did not exist and to get an estimate of the extent of disability. The individual diagnosis and other specific details, however, will not be released without the written consent of the student.

### The Instructor's Responsibility

1. Instructors may prescribe such reasonable regulations as they feel necessary. At the beginning of each semester they shall inform the students in their classes of these special regulations.

2. Instructors are expected to keep a record of the attendance of the students in their classes.

3. When a student has been absent for three consecutive class periods or has been absent excessively, the instructor shall report the absences to the Dean of Academic Advising and may recommend appropriate action.

## Grading

### Final Course Examinations

A student is required to take a final examination, if one is given, on every course for which he is registered. See exceptions for seniors in the Honors Program, page 183.

No final examinations may be given except during the regular examination period of the semester. According to faculty policy, no test which shall be substituted for the final examination can be given between November 25 and the opening of fall examination week. In the spring semester, no such test can be given after April 15.

During the ten calendar days prior to Reading Day in the fall semester and in the spring semester, no hourly tests may be given unless they were announced during the first month of the semester.

### Grades

A student's grade in a course is based on the quality of his classroom and written work throughout the semester. It is not based on the final examination alone. A grade report is sent to each student at the end of the semester.

UNC-G uses the following grading system:

**A—Excellent.** A indicates achievement of distinction. It involves excellence in several if not all of the following aspects of the work: 1. completeness and accuracy of

knowledge; 2. intelligent use of knowledge; 3. independence of work; 4. originality.

**B—Good.** B indicates general achievement superior to the acceptable standard defined as C. It involves excellence in some aspects of the work, as indicated in the definition of A.

**C—Average.** C indicates the acceptable standard for graduation from UNC-G. It involves such quality and quantity of work as may fairly be expected of a student of normal ability who gives to the course a reasonable amount of time, effort and attention.

Such acceptable standards should include the following factors: 1. familiarity with the content of the course; 2. familiarity with the methods of study of the course; 3. full participation in the work of the class; 4. ability to write about the subject in intelligible English.

**D—Lowest Passing Grade.** D indicates work which falls below the acceptable standard defined as C but which is of sufficient quality and quantity to be counted in the hours of graduation if balanced by superior work in other courses.

**F—Failure.** F indicates failure that may not be made up except by repeating the course.

**Inc—Incomplete.** Inc indicates that the completion of some part of the work for the course has been deferred because of the prolonged illness of the student or because of some serious circumstances beyond the control of the student.

Concomitantly with the recording of an Inc grade, the instructor also files with the head of the school or department concerned, with the Registrar and with the Office of the Dean of Academic Advising the student's average grade and the specific work which must be accomplished before the Inc is removed. Inc grades may be recommended by the University Physician, the Counseling and Testing Center, and by the Dean of Academic Advising.

**Regulations Regarding Incomplete.** An INC may be removed by completion of the deferred work. An Incomplete received during a semester or in summer school must be removed within six months from the last day of examinations in the term in which the course was taken. An Incomplete not removed within this time limit automatically becomes an "F." A graduating senior who incurs an Incomplete and who has enough semester credit hours and quality points to graduate may do so even though the Incomplete grade is outstanding. If the Incomplete is not removed within the required six months, it will be converted to "F" at the end of that period of time. When an Inc is removed, it may be replaced by A, B, C, D, F, P, or NP.

**P/NP—Pass/Not Pass.**

**S/U—Satisfactory/Unsatisfactory.**

**W—Withdrawal/WF—Withdrawal-Failure/WN—Withdrawal Not Passing** in a course graded exclusively on P/NP.

**NC—Audit.** NC indicates that the student registered for the course as an auditor and not for credit.

### Semester Hour Credits

Credits for all courses are reported in semester hours. A semester hour credit equals one 50-minute period of recitation per week or its equivalent throughout one semester. The number of semester hour credits given for each course is listed as part of the course description.

Except for independent study or where specific provision is



made in the course description, no student may repeat for credit a course for which the student has earned credit. If a student repeats such a course, the grade will be recorded on the transcript, but no additional credit will be allowed toward graduation or toward the grade point average.

**Quality Points and Quality Point Ratios**

UNC-G uses a semester hour credit and quality point system for evaluating undergraduates. Semester hour credits represent the number of course hours completed. Quality points are determined by the number of semester hour credits and the grades earned.

The formula for calculating quality points follows: For each hour of **A**, count 4 quality points; of **B**, 3 quality points; of **C**, 2 quality points; of **D**, 1 quality point; of **F** or **WF**, no quality points.

The quality point ratio is determined by dividing the accumulated number of quality points earned by the accumulated number of semester hours undertaken. Hours attempted but not passed must be included in this calculation. However, no more hours of **F** or **WF** than hours of credit for a course can be used in ascertaining the quality point ratio. The following should not be used in determining the quality point ratio: courses graded on the **P/NP** or **S/U** basis and courses transferred from another institution (except those courses taken through the Consortium).

**Classification of Students**

Students are classified as freshmen, sophomores, juniors, and seniors. Semester hours earned are used to determine these classifications.

- Sophomore:** Completion of 24 semester hours.
- Junior:** Completion of 51 semester hours.
- Senior:** Completion of 84 semester hours.

**Removing Entrance Deficiencies**

A student permitted to enter UNC-G with high school entrance deficiencies must remove them within the time set by the Admissions Office. Deficiencies can be removed by:

1. completing the course in an approved high school or through UNC-G Continuing Education Division;
2. Completing the appropriate college-level course in the area of the deficiency.

**Continuing in UNC-G**

In addition to the semester hours required for classification above, UNC-G establishes other standards which must be met by students wishing to continue their studies at UNC-G. Failure to meet these standards results in suspension.

Generally, in order to graduate within four years, a student would need to successfully complete at least 15 or 16 semester hours of work each semester with a quality point ratio of at least 2.0.

During the first semester at UNC-G, a student who is enrolled for 12 or more semester hours is considered full time and must pass a minimum of six semester hours of work. Thereafter, a student must pass a minimum of nine semester hours. A student enrolled for less than 12 semester hours is considered part time and must pass at least half of the work. Failure to meet these requirements will result in immediate

suspension from the University.

Additionally, students must meet the following quality point ratios in order to continue to study at UNC-G:

To Enter Semester Indicated	Quality Point Ratio On Hours Attempted
Third .....	1.3
Fifth .....	1.5
Seventh .....	1.7
Ninth .....	1.9

A student whose quality point ratio at the end of the fall semester is lower than that required to enter the next year is placed on **academic probation**. Students placed on academic probation at the end of the spring semester are required to attend UNC-G's summer session to remove themselves from probation in order to return to UNC-G in the fall.

Students are eligible to continue to work toward an undergraduate degree until they have accrued 10 semesters of full-time college enrollment (exclusive of summer sessions) or until they have attempted 168 semester hours, whichever comes first.

UNC-G reserves the right to deny the enrollment of any full- or part-time student, even though the student has met the minimum quality point ratio, if it is apparent from the student's academic record of required courses that he will not be able to meet the graduation requirements.

Each student is expected to be aware at all times of his academic status and to be responsible for knowing whether or not he is on academic probation.

The Academic Appeals Committee, appointed from the faculty, considers special and meritorious requests for waiver of academic regulations stated in the **UNC-G catalog**. The student should consult the Office of the Dean of Academic Advising for instructions concerning the appeal process.

**Quality Point Ratios for Part-Time Students**

A student admitted as a part-time student must have a 1.3 quality point ratio on the semester hours undertaken by the time he has attained sophomore standing; a 1.5 ratio by the time he has attained junior standing; a 1.7 ratio by the time he has attained senior standing; and a 1.9 by the time a student has completed 105 semester hours.

**Removal of Academic Suspension**

After at least a semester of academic suspension for failure to meet the minimum requirements for hours passed or quality point ratio, a student may apply for readmittance. **If readmitted, the student must then meet the minimum quality point ratio requirements at UNC-G on all hours attempted and as a minimum earn a semester quality point ratio of 2.0.**

**Dean's List**

Undergraduate students carrying 12 or more semester hours of course work graded on an **A, B, C, D,** or **F** basis are eligible for the Dean's List. (The list is made up at the end of each semester, and the basis for selection is the quality point ratio attained in the semester.) The Dean's List includes the students who earn a grade point ratio of 3.5 or better and who have no grade below "C" for the semester. All students whose quality point ratios fall within the range at the time the report is prepared are placed on the Dean's List. Recognition is accorded the recipients of this honor.



## Credit Regulations

### Summer Session Credits

Approval to be a visiting student at another college and to have the credits transferred here for degree credits must be obtained from the Office of the Dean of Academic Advising.

Students on academic probation must attend summer school at UNC-G to remove themselves from probation.

Students not registered during the spring semester, but who plan to work for a degree here, must have their summer session registration approved by the Director of Admissions.

Students may enroll for no more than 12 semester hours during the entire Summer Session (two terms) unless permitted to take an increased load by the Dean of Academic Advising. Students will normally not be permitted to enroll for more than one semester hour of credit per week.

### Transfer Credit

See page 30 for information about admission of transfer students and regulations regarding transfer credit.

### Extension/Correspondence Credit

See page 31.

### Examinations for Placement

It is important that a student with exceptional ability be enrolled in courses which are of sufficient difficulty to challenge his best performance. Students are encouraged to take examinations for placement without credit in order that they may take advantage of opportunities for advanced courses and for individual research or other creative endeavor.

### Regulations

1. Passing an examination of this type will not alter the number of hours required in that area or subject.
2. Examinations for placement without credit will be administered by the departments or schools concerned.
3. It is recommended that departments or schools make available to interested students reading lists and other source material which might assist the students in preparing for the examination.
4. Successful completion of an examination for placement at the 100-level in the student's major field shall have the effect of increasing the number of hours accepted toward graduation above the 100-level by the number of hours so waived.
5. In all cases where requirements or prerequisites are waived, by placement examination or other means, this fact should be reported in writing by the appropriate department head to the Office of the Dean of Academic Advising and should be entered on the student's record.

### Special Examinations for Credit Hours Toward Graduation (see pages 29, 30 for CLEP information.)

In exceptional circumstances students of proven ability who have independently pursued a systematic course of study may attempt, upon recommendation of the department or

school concerned and endorsed by the Dean of Academic Advising, an examination to establish credit.

### Regulations

1. Examination for credit may be given only on those courses which have been designated by the department or school concerned.
  2. The student must consult in advance with his faculty adviser and with the head of the department or school concerned and give evidence of making adequate preparation for the examination, including any work designated by the department or school concerned.
  3. It is recommended that the department or school concerned make available to interested students reading lists and other source material to assist the student in preparation for the examination.
  4. A fee will be charged, payable after the application has been approved. There will be no refund of any part of this fee regardless of the outcome of the examination.
  5. Not more than 12 semester hours may be earned toward fulfillment of graduation requirements by this method. Except with permission of the Dean of Academic Advising, a student will not be allowed to apply for and take more than one special examination for credit at a regular examination period.
  6. Credit and quality points will be granted only if the level of performance is **C** or better. Grades of **D** or **F** will not be entered on the student's record.
  7. No examination for credit may be given which tests subject matter or techniques for which a student has received high school credit or in the case of a transfer student which would serve to extend the number of hours allowed in transfer.
  8. No junior or senior may take an examination for credit in a freshman elective course.
  9. Examinations for credit must be taken before the beginning of the last semester or before a twelve-week summer school of work immediately preceding completion of requirements for graduation. Any exception to this regulation must go to the Dean of Academic Advising for action.
  10. No examination for credit may be taken in a course during the semester in which the student is auditing that course.
  11. Credits earned by special examination may not be used to fulfill residence requirements.
- All special examinations for credit hours are under the supervision of the Dean of Academic Advising.
1. Special examinations shall be given only during the regular examination periods.
  2. Applications shall be made to the Dean of Academic Advising, together with the written permission of the head of the department or school concerned, at least 30 days before the examination period.
  3. Each examination shall be a written examination, except in certain cases where mastery of techniques must be demonstrated either in combination with or in lieu of the written examination. The examination shall be kept on file in the Office of the Vice Chancellor for Academic Affairs.
  4. Each examination shall be administered by the department or school concerned and should be read by at least two members of the department.



5. Results of all such examinations shall be reported to the Registrar prior to the first day of the next registration period.

## Graduation Regulations

A student will be held responsible for fulfilling all requirements of the degree for which he is registered. It is the student's responsibility to apply officially to the Registrar for the degree at the beginning of the semester in which he expects to graduate.

### Academic Requirements

Every candidate for a degree must satisfy all of the specific requirements of UNC-G and of the school or department in which he is majoring. He must present for graduation the specific number of hours required for the degree, with a quality point ratio of at least 2.0 on all hours undertaken.

### Residence Requirements

All students are expected to take their last year in residence at UNC-G, except those students in programs offered in cooperation with another institution and approved by the faculty. With the approval of the Dean of Academic Advising, students may take 15 of their last 60 hours at another approved institution.

### Residence Requirements for Senior Transfers

A senior transfer student must complete at least 30 semester hours in residence at UNC-G for the degree, 12 of which must be in his major field and 9 of which must be in the minor if a minor is sought. Credit earned by special examination may not be used to reduce the minimum residence requirement.

### Graduation with Honors

Honors are awarded to seniors as follows: **summa cum laude**, a minimum average of 3.90 is required; for **magna cum laude**, 3.70; for **cum laude**, 3.50. The designation of graduation with honors is based on all grades (including the last semester's work) for which grades and quality points are given. Any senior is eligible for honors who at the end of the senior year has completed at least 45 hours of work in residence at UNC-G (not including hours for which credit and quality points have been received by special examinations) and who has received no more than three semester hours of "F" in courses at the 100 and 200 levels.

### Time Requirements

Students who do not graduate with the class with which they entered may meet general University requirements for graduation as stated in the catalog for the year they entered if graduation occurs within six years after entrance. Transfer students may also graduate under the UNC-G catalog in effect at the time they initiate their college courses provided they graduate within six years of their first college enrollment. Otherwise, all students will be expected to meet the requirements as stated in the University catalog in effect at the time of re-entry if they return as full-time degree students. If they re-enter as part-time degree students, they will be expected to meet the requirements as stated in the University catalog in the year in which they begin work on the final 15 hours.

## Other Regulations

### Dual Registration: Undergraduate and Graduate

Any senior who is required to take less than 12 semester hours of work in the last semester of residence to fulfill all requirements for the bachelor's degree may register for graduate courses for graduate credit provided approval is granted by the Graduate Dean's Office, the student's faculty adviser and the Dean of Academic Advising. The total load cannot exceed 12 hours including undergraduate credit.

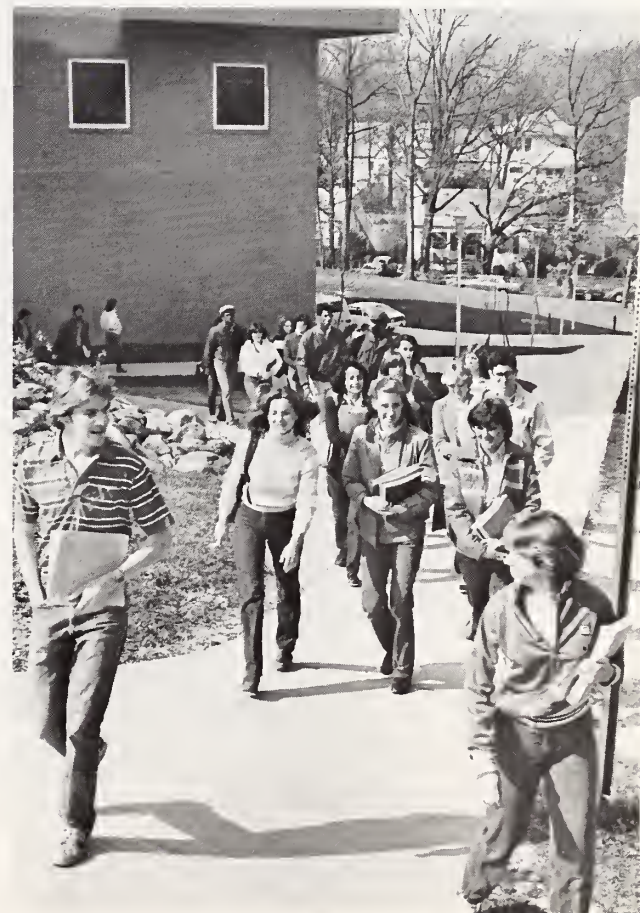
### Requirements for a Second Baccalaureate Degree

A student with a bachelor's degree may receive a second baccalaureate degree if it is a different degree or a different major. He must fulfill the following conditions:

1. Meet all the requirements for the second degree and major as stated in the catalog which the student is entitled to follow.
2. Complete a minimum of 30 hours in residence beyond requirements for the first degree.

### Transcript of Record

A transcript is sent without charge along with the application for teacher certification. Further copies are supplied by the Office of the Registrar upon receipt of a \$1.00 fee.



# Teacher Education



# Teacher Education

Five UNC-G schools and various departments within the College of Arts and Sciences offer programs leading to teacher certification in North Carolina and qualification for certification in most other states. Students may select certification programs in some 38 subject areas.

The School of Business and Economics, the School of Health, Physical Education, Recreation and Dance, the School of Home Economics, the School of Music, the Department of Art and the Department of Communication and Theatre offer teacher education curricula in their respective subject areas. The School of Education offers programs in Early Childhood, Intermediate, and Middle Grades Education. It jointly directs, with departments in the College of Arts and Sciences, programs for secondary teacher certification in liberal arts fields.

Graduates of approved teacher education curricula are eligible for certification on the basis of UNC-G's recommendation to the State Department of Public Instruction.

For students preparing to teach in the elementary school, 33 to 42 semester hours of education course work are required in the Bachelor of Science degree.

## University-Wide Teacher Education Admission Requirements

All students wishing to work toward certification in any of the 38 subject areas listed on page 72 must apply for admission to the UNC-G Teacher Education Program. Application should be made in the Office of the Dean of Academic Advising after completing 60 semester hours of work. This is usually at the end of the sophomore year.

Teacher education admission requirements include the following:

1. Medical and speech clearance.
2. Quality point ratio of at least 2.2.
3. Completion of at least 12 semester hours at UNC-G.
4. Recommendation of major school/department.
5. Minimum score requirements as set by the North Carolina Department of Public Instruction on Core Batteries I (Communication Skills) and II (General Knowledge) of the National Teacher Examinations. This requirement becomes effective with those students enrolled as sophomores, Fall, 1983.

Note: Students should check with major school/department for additional requirements specific to program. Check with the Office of Teacher Education for further clarification of requirements for admission to Teacher Education (379-5100).

## Speech Screening

All students in teacher education must take a speech screening test. This is administered by the Speech Communication Division of the Department of Communication and Theatre at the UNC-G Speech Laboratory, located at 102 Ferguson building. Those students who need to upgrade their communication skills are required or advised to take an appropriate speech course. Transfer

students who are given transfer credit for one or more speech courses are **not** exempt from the test, however. Students placed in the "special" category will be referred to the University Speech and Hearing Clinic. Students are encouraged to take the test at the beginning of the freshman year. **Transfer students** should make arrangements for the test immediately upon arriving on campus to prevent subsequent delay of graduation.

Appointments may be made by calling 379-5297.

## Admission to the Professional Semester(s)

During the junior year, students **already admitted** to the Teacher Education Program must apply for admission to the professional semester(s). For Early Childhood and Intermediate Education majors, this consists of the Spring semester of the junior year when professional education courses are taken and the Fall semester of the senior year when supervised student teaching is done. For other programs students should check with their major adviser for specific information concerning the sequence of professional courses and student teaching.

Professional semester admissions requirements include the following:

1. Speech screening and medical clearance.
2. Quality point ratio of at least 2.2.
3. Approval of the school/department in which the student is majoring.
4. Completion of pre-student teaching field experience requirement.
5. **Student should check with major school/department for additional requirements specific to the program.**

Application forms are available from the Office of the Coordinator of Field Experiences in Teacher Education. **Forms must be submitted between January 15 and February 15 of the year before the student teaching is to be done.**

Student teaching assignments are usually made in schools within commuting distance of UNC-G, although at times student teaching programs are planned with other school systems at substantial distances from UNC-G. Teacher education students are not subject to special fees but are individually responsible for expenses incurred during student teaching including transportation.

Student teaching in a number of subjects is offered in only one semester each year, either the Fall or the Spring semester. Any student who plans student teaching should check with the Office of Field Experiences to be certain of the semester when student teaching will be offered in a particular subject.



**Teacher Education Curricula**

The various areas in which teacher education programs are offered at UNC-G are listed below. The page numbers refer either to degree charts listing all course requirements or to a section on "Secondary Subject Area Certification" which follows. Boldfaced numbers for secondary subjects refer to degree charts for the particular majors.

<b>Elementary Certification</b>	Page
Early Childhood Education (Grades K-4)	119, 163
Intermediate Education (Grades 4-6)	119
Middle Grades Education (Grades 6-9)	119

**Special Subject Area Certification (Grades K-12)**

Art Education	82
Dance Education	140
English as a Second Language	73
Health Education	141
Music	202
Physical Education	143
School Social Worker	236
Speech Communication	103
Speech and Hearing	104
Theatre Arts	102

**Occupational Education Certification**

Basic Business Education	91
Comprehensive Business Education	91
Distributive Education	91
Home Economics	166

**Secondary Subject Area Certification (Grades 9-12)**

Biology	72, 87
Chemistry	72, 94
Economics	72, 113
Economics and Social Studies	73, 113
English	72, 125
French	72, 231
Geography	72, 132
Geography and Social Studies	73, 132
German	72, 135
History	72, 156
History and Social Studies	73, 156
Latin	72, 98
Mathematics	72, 191
Physics	72, 217
Political Science	72, 220
Political Science and Social Studies	73, 220
Science Education	73
Psychology and Social Studies	73, 224
Sociology	72, 238
Sociology and Social Studies	73, 238
Spanish	72, 231

**Secondary Subject Area Certification**

The following courses are required for secondary subject area certification in addition to those specified for the particular degree and major.

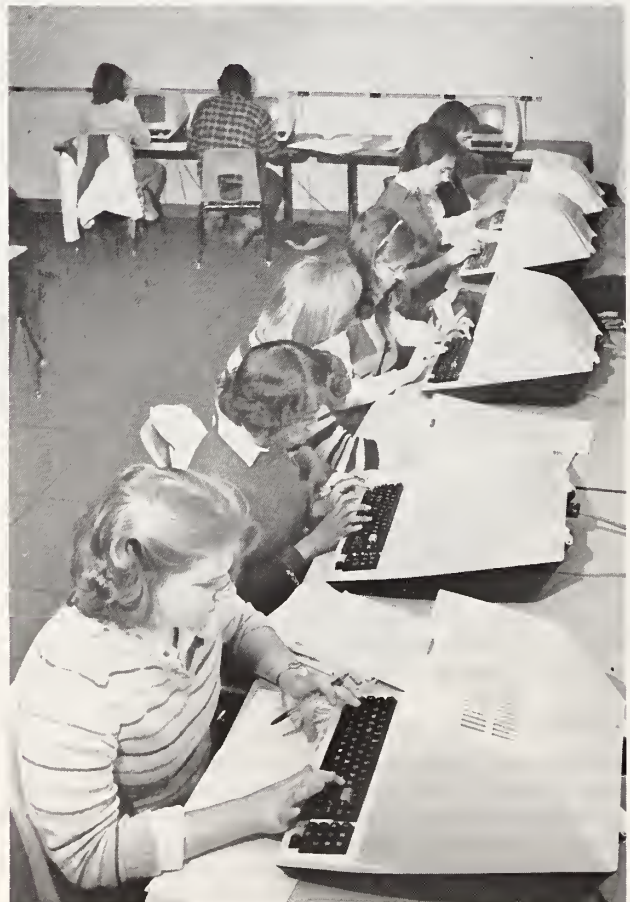
**General Education**

1. Speech clearance. See earlier section of this chapter.
2. HEA 201.
3. Mathematics and Science: 3 semester hours each.
4. Six semester hours in social studies courses, other than the major. Select one course from two of the following: anthropology, sociology, economics, geography, political science, history.
5. Two semester hours in physical education.

Note: Where appropriate, these general education course requirements may be selected to satisfy the all-University or College liberal education degree requirements.

**Professional Education Requirements**

1. PSY 221 (**General Psychology**).
2. EDU 381 (**The Institution of Education**).
3. EDU 450 (**Psychological Foundations of Education**).
4. One course in teaching reading in content area or other evidence of competence in teaching reading.
5. EDU 45x (**Teaching Practices and Curriculum**). For certification in English, 451 is required; language, 452; any social studies discipline, 453; mathematics, 457; any science, 459.
6. EDU 465 (**Student Teaching and Seminar**).





### Social Studies Concentration

Students majoring in economics, geography, history, psychology, political science or sociology are permitted to seek teacher certification in Social Studies. Students seeking Social Studies certification must take six (6) hours in each of five (5) of the following social studies departments, excluding their major department: anthropology, economics, geography, history, political science and sociology, with an additional three (3) hours in any of these five departments, for a total of 33 hours. For a student majoring in other than history, the additional three hours must be taken in history. Under unusual circumstances, exceptions regarding the distribution of these 33 hours are possible. The courses selected from these various social studies departments must be made from an approved list available with the Office of Academic Advising, the student's major adviser and the Social Studies adviser in the School of Education. Substitution within a department may be made, but only with the approval of the student's major adviser and the department offering the course.

### B.S. in Science Education

Those students wishing to gain certification to teach either biology, chemistry, physics or physical science may pursue the degree of Bachelor of Science in science education, with a concentration in one of those areas. In each case, the student is required to complete a major in addition to specific courses in related sciences. Professional education courses are required as well. Anyone wishing to pursue this means of obtaining certification to teach biology, chemistry, physics or physical sciences should contact the heads of the departments of the discipline involved, or in the case of physical science, contact either the Head of the Physics Department or the Chemistry Department. Information on any of these programs may also be obtained from Dr. Ernest Lee

in the School of Education. It should be emphasized that in order to complete the rather extensive requirements for this degree within a four-year period the student would need to begin very early in his academic career. Consequently, all interested students are encouraged to consult the above mentioned people at the earliest possible date.

Another option which students may pursue is to take an undergraduate major in either biology, chemistry or physics and to meet certification requirements by completing the necessary professional education requirements as described above.

### English as a Second Language Certification

Students who are pursuing or already have certification in one area may add English as a Second Language as a **second** area of certification. ESL certification requires 21-24 hours distributed among: anthropology, communication and theatre, education, English and political science. Additional information and a list of the courses which satisfy this requirement are available from the Office for Teacher Education in the Curry Building.

### Application for Teacher Certification

A student who has completed the appropriate teacher education curriculum and has attained acceptable teaching competencies and whose work is approved by the appropriate department and/or school responsible for this curriculum is recommended by UNC-G for a teacher's certificate.

To be certified in North Carolina, the student must meet the specific state requirements for certification, including an adequate score on National Teachers Examinations.

An application for certification, available from the Office of the Registrar, should be filed with the Office of the Registrar during the last semester of the senior year.



## Areas of Study



## About "Areas of Study"

The following chapter contains sections arranged in alphabetical order by topics of study. Each section includes the following:

1. Description of the school, department or special program offering study in a particular topic.
2. List of faculty members of the school or department or committee members or advisers for special programs.
3. Description and requirements for degrees, majors and concentrations available in each area.
4. Department alpha code, i.e., ACC-Accounting. See page 280 for listing of abbreviations.
5. Descriptions of courses offered.

## About Course Descriptions

**Course Numbers.** Courses numbered 100-199 are primarily for freshmen and sophomores; 200-299, primarily for sophomores; 300-399, primarily for juniors and seniors; 400-499, open to seniors; 500-599 open only to advanced undergraduate students (juniors and seniors) and graduate students; 600-749, open only to graduate students; 750-799, open only to doctoral candidates. Course descriptions for graduate-level courses are printed in the **Graduate School Catalog**.

**Hyphens and Commas.** A hyphen (-) between course numbers indicates that no credit toward graduation will be given for either course until both are successfully completed. A comma (,) between course numbers indicates that independent credit is granted for the work of one semester.

**(3:2:3).** The first of the figures enclosed in one or more parentheses immediately following the course title indicates the number of semester hour credits given for the course. The second and third figures indicate the number of lecture and laboratory hours normally scheduled each week for one semester in the course. For example, **(3:2:3)** means the course carries three semester hour credits and meets for two lecture hours and three laboratory hours each week. Graduate courses and certain other courses may have only one figure enclosed in parentheses. For such courses the figure indicates the number of semester hours credit given. Unless three figures appear in the parentheses, there are no laboratory or studio hour requirements.

**(EC), (H), (NSM), (SBS).** Courses approved as meeting requirements in the general areas of knowledge are indicated by one (or more) of the following abbreviations in parentheses at the end of the course description: EC — English Composition; H — Humanities; NSM — Natural Sciences & Mathematics; SBS — Social & Behavioral Sciences.

**(CLRD), (CFL), (CMAT), (CPS), (CLS), (CSBS), (CFA), (CLIT), (CFI).** Courses approved to satisfy the liberal education requirements in the College of Arts and Sciences are indicated by one of the following abbreviations in parentheses at the end of the course description: CLRD —

Language, Reasoning and Discourse; CFL — Foreign Language; CMAT — Mathematics; CPS — Physical Science; CLS — Life Science; CSBS — Social and Behavioral Sciences; CFA — Fine Arts; CLIT — Literature; CFI — Foundations of Inquiry.

**Pr.** The notation Pr. appearing in the course description is an abbreviation for the word prerequisite.

## Course Offerings

Unless a notation appears in the course description to the contrary, the course usually is offered each year.

It is a requirement of UNC-G that approval of the Vice Chancellor for Academic Affairs be obtained to offer regularly scheduled undergraduate classes for which fewer than ten students enroll or for graduate classes for which fewer than five students enroll. If enrollment does not justify continuation of a class, the class may not be offered.





## Areas of Study

### Accounting — Department of

(418 Business & Economics Bldg./School of Business and Economics)

**Charles D. Mecimore** (1980), Professor and Head of Department/B.S., Pfeiffer College/M.S., U.N.C. at Chapel Hill/Ph.D., Alabama/CPA, State of North Carolina/CMA.

**Susan B. Bennett** (1981), Instructor/B.S., M.B.A., UNC-G/CPA, State of North Carolina.

**Paula M. Cardwell** (1984), Lecturer/B.S., UNC-G/M.A., Virginia Polytechnic Institute and State University. Part-time, first semester 1984-85.

**Ronald O. Cardwell** (1982), Lecturer/B.S., UNC-G/M.A., Virginia Polytechnic Institute and State University. Part-time, first semester 1984-85.

**William D. Cooper** (1979), Assistant Professor/B.A., M.P.A., Georgia State/Ph.D., Arkansas/CPA, State of Arkansas.

**Michael F. Cornick** (1975), Assistant Professor/B.S., Purdue/M.B.A., Ph.D., U.N.C. at Chapel Hill/CPA, State of North Carolina.

**Frederick L. Drake** (1980), Lecturer and Vice Chancellor for Business Affairs/B.S., Alabama/CPA, State of Georgia.

**C. Richard Gould** (1984), Lecturer/B.A., Brooklyn College/M.B.A., Harvard. Part-time, first semester 1984-85.

**Ira S. Greenberg** (1984), Assistant Professor/B.S., Babson/M.A., Arizona/Ph.D., Missouri/CPA, State of Arizona.

**Glenn L. Helms** (1983), Assistant Professor/B.S., U.N.C. at Chapel Hill/M.S., Illinois State/Ph.D., Houston/CPA, State of North Carolina.

**Raymond E. Johnson** (1980), Instructor/B.S., M.B.A., East Carolina/CPA, State of North Carolina.

**James H. Ogburn** (1976), Lecturer and Assistant Director of Graduate Studies in Business Administration and Accounting/B.S., U.N.C. at Chapel Hill/M.B.A., City University of New York/CPA, State of North Carolina.

**Agnes J. Price** (1981), Instructor/B.S., M.Ed., UNC-G.

**Gregory M. Thibadoux** (1984), Assistant Professor/B.S., M.A., Memphis State/Ph.D., Houston.

**Phyllis A. Webster** (1978), Professor/B.S., M.S., Indiana State/Ed.D., Northern Illinois/CPA, State of Indiana.

**Charles Woelfel** (1978), Professor/Ph.B., Notre Dame/M.S., Butler/Ph.D., Texas/CPA, State of Texas.

The Department of Accounting offers a Bachelor of Science degree with a major in accounting. Included in the program are the courses necessary to meet the educational requirements to sit for the Certified Public Accountant Examination in North Carolina.

Employment opportunities for skilled accountants are excellent and should continue so over the next several years. Opportunities for accounting graduates are usually found in public accounting firms, private industry and government. Graduate study in accounting offers opportunities in public accounting, private industry and education. In addition to the Bachelor of Science, UNC-G offers a Master of Science degree program in Accounting.

### Accounting Major (Bachelor of Science)

Required: Formal admission to the School of Business and Economics, acceptance by Department of Accounting and completion of 129 semester hours of work. For a summary of admission requirements, see pp. 54-55.

#### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One course in English composition or exemption.
2. Three courses from Humanities Area (H).
3. Two courses from Natural Sciences and Mathematics Area (NSM) to include at least three semester hours in one of the following: biology, chemistry, geography or physics.
4. Two courses, outside the School of Business and Economics, from Social and Behavioral Sciences Area (SBS).
5. Four additional courses, outside the School of Business and Economics, from any one, all or combination of the above three areas or in an elementary foreign language.

Note: Work taken to satisfy Nos. 2, 3, 4, and 5 above or in other portions of the student's program must include MAT 191, PSY 221, SOC 211 and three additional semester hours in approved social and behavioral sciences other than courses offered in the School of Business and Economics.

#### Major Requirements

1. ACC 201, 202, 314, 315, 316, 420, 430, 440, 442, 443.
2. Accounting electives above the 200 level of not fewer than three semester hours or more than six semester hours.
3. Transfer credit will be given for accounting courses at the 300 level or above only by examination.

#### Related Area Requirements.

1. ECO 201, 202, 350.
2. FIN 340.
3. ISM 234, 360.
4. MGT 310, 320, 330, 491.
5. COM 341.
6. Electives within the School of Business and Economics above the 200 level of at least six semester hours.

#### Electives

Electives sufficient to complete total semester hours required for degree.

# Accounting-ACC/courses

## Courses for Undergraduates

- 201 Principles of Accounting I (3:3).** Basic accounting cycle and financial statement preparation as applied to service, merchandising and manufacturing enterprises. Contrasts and compares accounting systems of proprietorships, partnerships and corporate businesses. Pr. sophomore standing.
- 202 Principles of Accounting II (3:3).** Interpretation and use of accounting data for management decisions; financial statement analysis, funds statements and cash flow analysis. Budgetary and costing systems, cost-volume-profit relationships, break-even and marginal analysis. Pr. 201 or equivalent.
- 310 Accounting for Not-for-Profit Organizations (3:3).** Accounting for governmental and other not-for-profit organizations. Pr. 202 or 500, junior standing.
- 314 Intermediate Accounting I (3:3).** In-depth study of financial statements and their components. Major attention to theory and procedures involving working capital items. Authoritative literature in the field will be introduced and examined. Night tests in addition to above contact hours. Pr. 202 or 500, junior standing.
- 315 Intermediate Accounting II (3:3).** A continuation of 314 with primary attention to theory and procedures involving noncurrent items. Relevant literature will be analyzed. Night tests in addition to above contact hours. Pr. 314, admission to Department or other professional program approved by Department.
- 316 Intermediate Accounting III (3:3).** A continuation of 315 with primary attention to theory and reporting procedures. Relevant literature is analyzed. Night tests in addition to the regular class hours. Pr. 315, admission to Department or other professional program approved by Department.
- 420 Income Tax Accounting (3:3).** Tax structure and tax principles. Accounting principles and procedures related to tax accounting. Application of tax and accounting principles to specific problems. Pr. 202 or 500, junior standing.
- 421 Advanced Income Tax Accounting (3:3).** A continuation of the course dealing with the principles of federal income taxation. Consideration of special accounting problems as well as the tax problems of partnerships, corporations, estates and trusts. Pr. 420, admission to Department or other professional program approved by Department.
- 430 Cost Accounting (3:3).** Costs and cost accounting principles, costing systems, cost determination procedures; control and analytical practices for managerial decision-making. Pr. 202 or 500, junior standing.
- 440 Auditing (3:3).** Theory and practice of the independent examination of financial and operating data for external reporting. Professional ethics of the public practice of accountancy; auditing standards and procedures. Includes attention to authoritative

literature. Pr. 316, 420, 430, ECO 350, admission to Department or other professional program approved by Department.

- 441 Accounting Theory (3:3).** Analysis of the basic concepts and assumptions which underlie accounting methods and procedures. Appraisal of literature and position of professional accounting organizations, with special attention to controversial issues. Pr. 316, admission to Department or other professional program approved by Department.
- 442 Advanced Accounting Problems (3:3).** Partnerships, special sales contracts, consolidations, fiduciaries, institutional entities, foreign exchange. Pr. 315, admission to Department or other professional program approved by Department.
- 443 Accounting Information Systems (3:3).** Course is designed to provide an understanding of computerized systems for management and control of accounting data. Emphasis given to integration with overall accounting system. Pr. 314, admission to Department or other professional program approved by Department.
- 444 Advanced Auditing (3:3).** A continuation of the course dealing with the principles of auditing, 440. Consideration given to practical problems in internal control, systems and operational auditing. Pr. 440, admission to Department or other professional program approved by Department.
- 499 Independent Research in Accounting (1 to 3).** Individual study of an issue or problem(s) in accounting of particular interest to the student. Student must arrange time and course requirements with instructor prior to registration. Pr. 316 and senior standing and permission of faculty of Department of Accounting.

## Course for Advanced Undergraduates and Graduates

- 500 Survey of Financial Accounting (3:3).** Accounting concepts and procedures involved in managing a business enterprise. May not be taken by persons having credit for 201, 202 or equivalent. Pr. admission to MBA program or other masters degree programs with consent of Director of the MBA Program.

## Courses for Graduates

- 600 Survey of Managerial Accounting (3:3).**
- 613 Directed Studies in Accounting (1 to 3).**
- 620 Tax Planning (3:3).**
- 625 Financial Accounting (3:3).**
- 626 Managerial Accounting (3:3).**
- 628 Accounting Systems (3:3).**
- 630 Seminar in Current Financial Accounting Topics (3:3).**
- 631 Advanced Accounting (3:3).**
- 640 Seminar in Current Managerial Accounting Topics (3:3).**
- 641 Operational Auditing (3:3).**
- 650 Seminar In Current Problems in Taxation (3:3).**



- 651 **Taxation of Corporations and Shareholders (3:3).**
- 652 **Estate and Gift Taxation (3:3).**
- 660 **Not-for-Profit Accounting (3:3).**
- 800 **Graduate Registration.**
- 801 **Graduate Registration.**

## Acting & Directing — See Communication and Theatre.

## Anthropology — Department of

(426 Graham Bldg./College of Arts & Sciences)

- Mary W. Helms** (1979), Professor and Head of Department, first semester/B.A., Pennsylvania State/M.A., Ph.D., Michigan.
- William L. Coleman** (1971), Assistant Professor/B.A., Western Kentucky/Ph.D., Indiana.
- Thomas K Fitzgerald** (1970), Professor and Acting Head of Department, second semester/B.A., U.N.C. at Chapel Hill/M.A., Stanford/Ph.D., U.N.C. at Chapel Hill.
- Ronald Ray McIrvin** (1968), Assistant Professor/B.A., Colorado/Ph.D., Kansas.
- Joseph B. Mountjoy** (1969), Professor/B.A., Illinois/Ph.D., Southern Illinois.
- Louise M. Robbins** (1974), Associate Professor/B.A., M.A., Ph.D., Indiana.
- Laura G. Vick** (1984), Lecturer/B.A., M.A., Ph.D., U.N.C. at Chapel Hill. Part-time.

Anthropology is a broad discipline having two major divisions within it:

Physical anthropology — the study of man as a biological animal.

Cultural anthropology — the study of man as a cultural animal.

The undergraduate major provides an introduction to both, although the emphasis is on cultural anthropology. Other societies are studied both as a way of understanding our own society and as a laboratory by which the dynamics of culture and its constituent parts can be comprehended.

Careers in anthropology depend in great measure upon training beyond the B.A. degree. Most anthropologists are employed in universities and colleges where they combine research and teaching. There is, however, a growing demand for anthropologists in government agencies and industry. In this setting the knowledge which they have is applied toward the solution of human problems.

One course in physical anthropology (ATY 253) carries Natural Sciences and Mathematics Area (NSM) credit. Most other courses in anthropology carry Social and Behavioral Sciences Area (SBS) credit. (Note that students may not use courses from the same department toward satisfaction of both the NSM and the SBS portions of the liberal education requirement.)

## ANTHROPOLOGY MAJOR (Bachelor of Arts)

Required: 122 semester hours.

The **Anthropology Major** provides training in biosocial and behavioral science within the broader framework of a liberal arts education. The program presents a holistic view of the nature of human beings in society, past and present, as represented in linguistics, prehistory, biological anthropology, and cultural or social anthropology. It provides a solid foundation for both a basic liberal arts education and more specialized advanced study.

Departmental courses are offered within a four-semester (two-year) sequence to enable students to meet departmental requirements for the major within a two-year period. Copies of the course sequence are available in the department office. Since some courses are taught only once within the four-semester sequence, students planning to major in anthropology should begin to schedule required departmental courses at the earliest opportunity, preferably no later than the start of the junior year.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in Western Civilization (6 semester hours), and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

### Major Requirements

30-36 semester hours in anthropology above the 100 level including:

1. ATY 213, 253, 360, 387, 411.
2. Nine hours at the 500 level.
3. Electives to complete the degree requirements.

### Related Area Requirements

Courses according to interest and in consultation with major adviser. Selected courses in the following disciplines are particularly recommended for anthropology majors: classical civilization, geography, history, philosophy, religious studies, sociology, biology, psychology, communications.

### Electives

Electives sufficient to complete total semester hours required for degree.

### Anthropology Minor

21 hours in anthropology including:

1. ATY 212, 411.
2. Two courses from ATY 213, 253, 360, 387.
3. Electives to complete the degree requirements.

# Anthropology-ATY/courses

## Courses for Undergraduates

- 201 Man in Nature (3:3).** Anthropology's answers to the question, "What is Man?" A basic understanding of the human condition, i.e., man and his place in nature. Anthropology and human problems. McIrvine. (SBS), (CSBS).
- 212 General Anthropology (3:3).** Survey of general anthropology. Includes an inquiry into origins of man, prehistory and comparative study of culture. Open to freshmen. (SBS), (CSBS).
- 213 Cultural Anthropology (3:3).** A comparative study of culture and its institutions. Social organization, social control, economics, ideology are emphasized. (SBS), (CSBS).
- 231 Cultures of North American Indians (3:3).** Ways of life, both aboriginal and contemporary, of indigenous people of North America. (SBS).
- 233 Latin American Societies and Cultures (3:3).** Tribal and peasant groups with special emphasis on their place in contemporary Latin America. McIrvine. (SBS).
- 235 Cultures of Africa (3:3).** A study of the peoples of Africa emphasizing family organization, religion, political organization, languages and urbanism. Includes a study of African novelists. Coleman. (SBS).
- 237 Cultures of the Pacific (3:3).** An ethnographic study of Pacific cultures, focusing on language, physical characteristics, psychology and culture contact. Fitzgerald. (SBS).
- 253 Introduction to Physical Anthropology (3:2:3).** The study of human biological variation and evolution; includes contrasting non-human primate traits, fossil man, population genetics of racial formation, individual growth and development and human engineering. Robbins. (NSM), (CLS).
- 258 World Prehistory (3:3).** Development of culture from its paleolithic beginnings through the rise of early civilizations. Mountjoy. (SBS), (CSBS).
- 331 Human Variation (3:3).** Physical differences within and between human populations: their source and effect. Robbins.
- 345 Political Anthropology (3:3).** Investigation of politics in nonindustrial societies. Emphasis on leadership and the political control of demographic, economic and ideological factors in native societies of North and South America, Africa and Asia. Helms. (SBS).
- 348 Man and the Future (3:3).** The role of anthropology in understanding human problems of today and tomorrow. Emphasis on the sociocultural dimension of human problems and their solutions. McIrvine.
- 360 Modern Archaeology (3:3).** Aims and strategies of modern archaeology, stressing how and why archaeology is done and its contributions to general anthropology. Mountjoy. (SBS).
- 362 Archaeology of the Eastern United States (3:3).** Investigation of Indian cultural development in the United States from the Mississippi River Basin to the Atlantic Coast, from earliest evidence to the European Contact Period, with special emphasis on the context

of the East in the archaeology of North America and North Carolina as a part of the East. Involves some field trips and/or laboratory experience. Mountjoy. (SBS).

- 385 Language and Culture (3:3).** The investigation of verbal and non-verbal behavior cross culturally. Emphasis on the use of language in the speech community, gestures, body languages, expressive behavior, verbal art and language learning. Coleman. (SBS).
- 387 Modern Linguistics (3:3).** A systematic investigation of the general properties of grammar, the universal properties found in all languages, and the specific properties of the grammars of individual languages. Includes linguistic differences found in selected dialects of American English. Coleman. (SBS).
- 411 History of Anthropological Theory (3:3).** Developments in history of anthropology and study of culture leading to the emergence of anthropology as a scientific field. Offered in alternate years; last offered fall 1984.
- 477 Field Methods in Cultural Anthropology (3:3).** Review and discussion of major methodological principles and techniques used in anthropology.
- 478 Field Methods in Archaeology (3:3).** Methods, techniques and theories of archaeological field investigation. Includes site survey, mapping, systematic sampling and controlled excavation. Pr. consent of instructor. Mountjoy.
- 479 Analysis of Archaeological Data (3:3).** Instruction on proper treatment of material recovered through archaeological investigation. Includes classification, statistical manipulation of data, seriation and analysis of spatial and temporal dimensions. Attention to special analytical techniques (e.g., C14 dating, chemical analysis, faunal analysis) with stress on ecological interpretation. Pr. consent of instructor. Mountjoy.
- 493-494 Honors Work (3)-(3).**
- 497, 498 Special Problems in Anthropology (1 to 3), (1 to 3).** Opportunity for students to have directed instruction on problems of special interest. Pr. consent of faculty member with whom student wishes to work.

## Courses for Advanced Undergraduates and Graduates

- 501, 502 Selected Topics in Anthropology (3:3), (3:3).** Opportunity for advanced students to study in depth topic or issue of special interest. Pr. major in anthropology or consent of instructor.
- 524 Applied Anthropology (3:3).** Application of anthropological method and theory in situations of directed sociocultural change. McIrvine.
- 529 Culture Change (3:3).** Development of culture and analysis of acculturation stemming from contacts of peoples of different cultural heritages. Fitzgerald.
- 531 Latin American Culture (3:3).** The development of Latin American culture, its characteristics, variations and significance. The course is directed especially



toward present and future teachers. Not open for credit for graduate students in anthropology. Mclrvin.

- 533 Archaeology of Mexico (3:3).** Major prehispanic cultural developments in Mexico with emphasis on internal cultural change (from early man to rise of great civilizations such as Aztecs and Mayan) and relationships with adjacent areas. Pr. consent of instructor. Mountjoy.
- 543 Anthropological Perspectives on Homosexuality (3:3).** Critical examination of sociocultural dimensions of homosexuality in both nonindustrial and industrial societies, with concentration on American culture. Fitzgerald.
- 547 Belief and Value Systems (3:3).** An examination of sacred and secular beliefs in cross-cultural perspective. Emphasis on symbols, ritual and their function.
- 550 Anthropological Examination of Sex Roles (3:3).** Nature and variations in sex roles, emphasizing female roles. Biological and sociocultural determinants of role differences.
- 553 Human Identification (3:2:3).** An anthropological study of aspects of the human body that includes identification of individual bone and fragments, sex differences, age changes in bone and teeth, dermatoglyphics, ABO blood groups, paleopathology, and somatology of living individuals. Pr. 253 or 3 hours of biological science. Robbins.
- 555 Human Evolution (3:3).** A study of the biological and cultural evolution of humans from pre-human forms. Pr. 253 or 3 hours of biological science. Robbins.
- 560 Anthropology and the Teaching of World Studies (3:3).** The concept of culture as a foundation for teaching about cultures. Related anthropological concepts and their significance for social studies. Objectives in teaching world studies. Anthropological materials and resources for social studies teacher. Not open to undergraduate majors in anthropology. Mclrvin.
- 563 Educational Anthropology (3:3).** Contemporary educational events (systems of cultural transmission) viewed in cross-cultural perspective. Includes case studies of educational systems and practices. Fitzgerald.
- 576 Culture and Personality (3:3).** Cross-cultural analysis of effect and influence of culture and group membership on development of personality. Pr. 3 hours of anthropology, psychology or sociology. Fitzgerald.
- 583 Culture and Society (3:3).** Concepts of culture and society and their employment in understanding human behavior in a cross-cultural context. Not open for credit to anthropology majors. May not be taken for credit by students who have received credit for 213.
- 585 Social Dialects (3:3).** Consideration of differences in social dialects (speech patterns) among males and females, social classes, regions, and ethnic groups. Includes attitudes about social dialects, models for describing social dialect differences, and consequences of social dialects. Coleman.

- 597 Special Problems in Anthropology (3), (3).**  
**598** Opportunity for advanced students to undertake independent study or research of special interest. Pr. consent of faculty member with whom student wishes to work.

### Courses for Graduates

- 601, 602 Seminars in Anthropological Analysis (3), (3).**  
**611 Pro Seminar I in Anthropology (3).**  
**612 Pro Seminar II in Anthropology (3).**

**Apparel Arts Concentration —**  
 See Home Economics.

**Applied Mathematics — See**  
 Mathematics.

**Applied Music — See Music.**

### Art — Department of

(162 Mclver Bldg./College of Arts and Sciences)

- Joan Gregory** (1964), Professor and Head of Department/  
 A.B., Montevallo/M.A., Ed.D., George Peabody College of  
 Vanderbilt.
- Peter J. Agostini** (1966), Visiting Professor. Second semester  
 1984-85.
- Walter W. Barker** (1966), Professor/B.F.A., Washington/  
 M.F.A., Indiana.
- Susan M. Canning** (1980), Assistant Professor/B.A., California  
 State at Hayward/M.A., Ph.D., Pennsylvania State.
- Gilbert Frederic Carpenter** (1963), Professor and Director,  
 Weatherspoon Gallery/A.B., Stanford.
- Arnold Doren** (1978), Associate Professor/B.F.A., Rochester  
 Institute of Technology.
- Donald Droll** (1983), Lecturer and Assistant Director,  
 Weatherspoon Gallery.
- James Gallucci** (1977), Lecturer/B.A., Lemoyne College/  
 B.F.A., M.F.A., Syracuse.
- Robert R. Gerhart III** (1973), Assistant Professor/B.F.A., Pratt  
 Institute/M.F.A., Temple.
- Carl Goldstein** (1971), Professor/B.A., Brooklyn College/M.A.,  
 Ph.D., Columbia.
- Mark Gottsegen** (1976), Assistant Professor/B.A., Rochester/  
 M.F.A., Boston.
- Claire Kelleher** (1968), Assistant Professor/B.A., Toronto/  
 M.A., Chicago/Ph.D., London.
- Setsuya Kotani** (1974), Assistant Professor/B.F.A., Hawaii/  
 M.F.A., Columbia.
- Cynthia Laymon** (1979), Associate Professor/A.B., Indiana/  
 M.F.A., Southern Illinois.
- Billy Lee** (1984), Assistant Professor/B.F.A., Birmingham,  
 England, College of Art & Design/M.A., Royal College of  
 Art, England/Fellow M.I.T. Center for Advanced Visual  
 Studies.
- Jo Alice Leeds** (1974), Assistant Professor/B.F.A., M.F.A.,  
 Texas/Ph.D., Oklahoma.
- John Thomas Maggio** (1973), Assistant Professor/B.F.A.,  
 M.F.A., Carnegie Mellon/T.M.P., Tamirand Institute.
- Andrew George Martln** (1965), Associate Professor.



**Martin G. Mugar** (1980), Assistant Professor/B.A., M.F.A., Yale.

**Roberta Riçe** (1976), Associate Professor/B.F.A., M.A., Virginia Commonwealth/Ph.D., Pennsylvania State.

**James Ewing Tucker** (1959), Assistant Professor and Curator, Weatherspoon Gallery/B.F.A., Texas/M.F.A., Iowa State.

**Patricia Wasserboehr** (1982), Assistant Professor/B.F.A., M.F.A., Boston.

The Department of Art offers the following degree programs:

B.A., art major, concentrations in studio art and art history.

B.F.A., art major, concentrations in art education I & II, design, painting and sculpture.

M.Ed., art major.

M.F.A., studio art major, with or without teacher certification.

The prospective student of art should be aware of the marked differences in emphasis among various college-level programs in art. The special character of this program assumes that the visual arts are a humanistic discipline, constructive and form-giving in type, related in its pursuits to philosophy, the sciences, literature, history and mathematics.

The department believes that at the undergraduate level students are best served by, first, a good, broad university education and, second, a specialization in art. The department emphasizes the B.A. degree programs.

Consistent with this orientation, within the Department of Art curriculum, the disciplines of the primary intellectual and creative tradition are emphasized: painting, sculpture, design, art history, art education. It is assumed the student who seeks avocational specialization will pursue this in a relevant post bachelor's degree situation.

The faculty includes an extraordinarily high proportion of people of acknowledged accomplishment in their area of specialization. All members of the faculty teach at all undergraduate levels of the program.

Students who demonstrate superior self-motivation are eligible to register for the line of Independent Studio courses which culminate in six to eight semester hours of independent work in the senior year. This line of courses is intended to prepare the student for the continuation of his self-generated pursuits after graduation. Students are advised to enroll in ART 199 and apply for admission to Independent Study during the second semester of their sophomore year. Transfer students enroll during their first semester at UNC-G.

In areas relative to the department's programs, the facilities are excellent. The foundry is one of the several largest university foundries in the country. The printmaking, ceramics, photography and fibers studios are exceptional.

Weatherspoon Gallery's active exhibition program of approximately 40 exhibits per year displays the best of contemporary and recent art. The student develops his work in immediate juxtaposition to professional work of acknowledged quality.

The courses that the Department of Art recommends to the studio student for the freshman year are identical in the B.A. and the B.F.A. programs.

Courses in drawing, painting, and sculpture (courses in the 20's, 30's, and 50's series) presume the work of art is a more or less abstract interpretation of forms and experiences deriving from one's environment.

Courses in design and the crafts (courses in the 40's, 70's and 80 to 84 series) assume the work of art to be generated by its inherent systemic logic or its object or functional requirements.

## ART MAJOR (Bachelor of Arts)

### Concentrations in

Art History

Studio Art

Required: 122 semester hours.

**The Art History Concentration** is an academic liberal arts education with emphasis on the visual rather than the verbal tradition. Students who wish to pursue a professional career in this discipline should plan to enter a Ph.D. program elsewhere after graduation. In preparation for this they should acquire a fluent reading knowledge of two foreign languages. German and French are usually recommended.

**The Studio Concentration** is recommended both as a liberal education with emphasis on the development of the manipulative and visual capacities of the student and as a superior base for professional development. Strongly self-motivated students are eligible for the Independent Study line of courses.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in Western Civilization (6 semester hours) and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

### Major Requirements

24-36 semester hours in art above the 100 level.

#### Art History Concentration

1. ART 105 or 106, 303, 304, 305, 306.
2. Studio Art: 6 semester hours.
3. Art History above 100 level: 12-24 semester hours.  
Note: Reading competence in at least one foreign language (German or French preferred) necessary for graduate work.

#### Studio Art Concentration

1. ART 105 or 106.
2. Two courses from ART 120, 140, 150.
3. Art History above 100 level: 12 semester hours.
4. Studio Art above 100 level: 12-24 semester hours.
5. ART 199 required for enrollment in independent study courses.



### Related Area Requirements

No specific courses required.

### Electives

Electives sufficient to complete total semester hours required for degree.

## ART MAJOR (Bachelor of Fine Arts)

### Concentrations in

- Art Education I
- Art Education II

Required: 128 semester hours.

**Art Education Concentrations:** Because of the limitations placed on out-of-department electives by the required education courses, all studio art students who seek teacher certification in art must take a B.F.A. under one of these two concentrations. Art Education I offers academic breadth; Art Education II offers concentration in a studio discipline.

To be eligible for the B.F.A. Art Education II concentration, a student must be accepted into the Independent Studio line of courses discussed earlier. Application for admission to Independent Studio is made as part of the course work in Art 199.

A junior transfer cannot expect to complete a B.F.A. program in two years.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

1. Language, Reasoning and Discourse, ENG 101, 3 s.h.
2. Western Civilization Core Courses, 6 s.h.
3. Humanities, one course (not in the major) from each of the three sub-areas, 9 s.h.
4. Natural Sciences, 6-8 s.h.
5. Social and Behavioral Science, 6 s.h.
6. Additional hours from categories listed above (not in the major), 6-8 s.h.

### Major Requirements

#### Art Education I (General Art) Concentration

1. ART 105 or 106.
2. Four additional courses in Art History above 100 level.
3. ART 120, 140, 150, 221, 285.
4. Painting, Design: 2 semester hours in each.
5. Crafts: 6 semester hours.
6. Art or related electives: 6 semester hours.
7. Art Education courses: 360 and 361 (junior year); 363, 365 and 465 (senior year).

#### Art Education II (Studio Art) Concentration

1. Same as Art Education I, numbers 1 through 7, and 199.
2. Independent Studio from ART 398, 399, 498, 499 or approved substitutes: 6 semester hours.

3. Single studio specialization, including at least 4 semester hours of independent studio in this specialty: 10 semester hours.

### Related Area Requirements

(See Teacher Education Chapter for full explanation.)

1. HEA 201.
2. Mathematics: 3 semester hours.
3. Three semester hours at 200 level or above from two of the following: anthropology, economics, geography, political science, sociology.
4. PSY 221.
5. EDU 381, 450 and 470.
6. Recommended: One course from psychology, philosophy or religious studies.
7. Two semester hours in physical education.

### Electives

Sufficient electives to complete total semester hours required for degree.

### Admission to Student Teaching:

During the junior year students must apply for admission to the student teaching semester. Art Education methods courses 363 and 365 are prerequisite to student teaching and are taken in the fall semester of the senior year. Student Teaching 465 is taken in the spring semester.

### Student teaching admission requirements include the following:

1. Speech screening and medical clearance.
2. Quality point ratio of at least 2.2.
3. Pre-student teaching practicums 360 and 361.
4. Completion of 12 semester hours following admission to teacher education.
5. Evidence of teaching readiness competencies as set and evaluated by the department.

## ART MAJOR (Bachelor of Fine Arts)

### Concentrations in

- Design (including Ceramics and Fiber Crafts.)
- Painting (including Drawing, Printmaking and Photography.)
- Sculpture

Required: 128 semester hours.

**Design, Painting, Sculpture Concentrations:** To be eligible for a B.F.A. concentration in design, painting or sculpture, a student must be accepted into the Independent Studio line of courses discussed earlier. Application for admission to Independent Studio is made at the end of the sophomore year.

A junior transfer cannot expect to complete a B.F.A. program in two years.

The B.F.A. program allows a more intense concentration in studio work than is available in a B.A. program. This is gained



by extending the program for the equivalent of one summer session and by reducing the academic breadth of the student's education.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

Same as for Art Education I and II as listed above.

### Major Requirements

#### Core Courses for All Concentrations

1. ART 105 or 106 and 199.
2. Four art history courses above 100 level.
3. Independent Studio from ART 398, 399, 498, 499 or approved substitutes: 8 semester hours, 6 hours of which must be taken in work appropriate to concentration.

#### Design Concentration

1. ART 120 or 150, 140, 240 and 285.
2. Advanced design courses from those numbered in 40's, 70's or 80's: 10 semester hours.
3. A minimum of 6 of the 8 semester hours of Independent Studio must be taken in work appropriate to study of design. The student may develop, but is not required to develop, a specialization in graphic design, costume design, ceramics, fiber crafts or photography.
4. Art or related electives: 16 semester hours.

#### Painting Concentration

1. ART 120, 140 or 150, 220, 221, 231.
2. Advanced painting: 6 semester hours.
3. Printmaking: 4 semester hours.
4. A minimum of 6 of the 8 semester hours of Independent Studio must be taken in painting or printmaking.
5. Art or related electives: 14 semester hours.

#### Sculpture Concentration

1. ART 120 or 140, 150, 281.
2. Advanced sculpture: 8 semester hours.
3. A minimum of 6 of the 8 semester hours of Independent Studio must be taken in sculpture.
4. Art or related electives: 20 semester hours.

#### Electives

Electives sufficient to complete total semester hours required for degree.

## Art-ART/courses

### Courses for Undergraduates

- 105 Monuments in the History of Art (3:3).** Intensive analysis of selected monuments and artists. (H), (CFA).
- 106 Survey of Western Art (3:3).** Historic survey of

painting, sculpture and architecture from ca. 3000 B.C. to the twentieth century. (H), (CFA).

- 120 Drawing and Pictorial Composition (4:2:6).** A basic course in principles and practice of drawing in various media and principles of pictorial composition.
- 140 Design I (4:2:6).** A basic course in fundamentals of design. Work in two and three dimensions.
- 150 Clay Modeling (4:2:6).** A general course in preparation, designing and modeling in clay.
- 190 Introduction to Studio Art (3:1:4).** A basic course for non-art majors. Simplifies studio projects in image making and system construction in two and three dimensions. Lecture on project-related masterpieces each week. Not open to art majors.
- 199 Introduction to Independent Studio (1).** Orientation to department and discipline. Only art majors (normally, second semester sophomores and transfer juniors) submitting portfolios for admission to independent study for review should enroll. Grade: pass/not pass.
- 210 History of Prints (3:3).** The history of graphic arts, woodcut, engraving, etching and lithography from the fifteenth century to the present. Special emphasis on both technique and the social role of the print. Pr. 105 or 106 preferred but not mandatory.
- 220 Drawing and Pictorial Composition II (2:1:3).** Continuation of 120. Pr. 120.
- 221 Life Drawing I (2:1:3).** Figure drawing from the model. Pr. 220.
- 222 Mechanical Drawing (2:1:3).** The basic information and skills required to produce and read working drawings and plans.
- 223 Perspective (2:1:3).** Linear perspective and its application in various media. Pr. 222.
- 225 Serigraphy I (2:1:3).** Silk screen stencil techniques as a printmaking medium. Pr. 120 or 140. Not offered every year.
- 226 Woodcut and Wood Engraving (2:1:3).** Woodblock relief techniques as a printmaking medium. Pr. 120 or 140. Not offered every year.
- 228 Etching I (2:1:3).** Intaglio techniques as a printmaking medium. Pr. 120 or 140.
- 229 Lithography I (2:1:3).** Planographic techniques as a printmaking medium. Pr. 120 or 140.
- 231 Techniques of Painting (4:2:6).** Materials and characteristic processes of major techniques. Pr. 120.
- 232 Painting I (2:1:3).** A basic course. Not recommended for students who have taken 231. Pr. 120.
- 238 Watercolor Painting (2:1:3).** Special techniques and pictorial problems of transparent paint media. Pr. 120.
- 240 Design II (2:1:3).** Continuation of 140 with special emphasis on advanced standards of execution. Pr. 140.
- 242 Letters, Signs and Symbols (2:1:3).** Letter forms, signs and symbols as configurations for design study. Pr. 140.
- 252 Techniques of Sculpture (4:2:6).** Tools, materials and characteristic processes of major techniques. Pr. 150.
- 253 Sculpture I (2:1:3).** A basic course. Not recommended to students who have taken 252. Pr. 150.



- 271 Fiber Crafts I (2:1:3).** Fibers and yarns used in knotted, woven and sewn structures. Preparation of looms and basic weaving techniques. Pr. 140 or HID 112 or permission of instructor.
- 273 Fabric Crafts I (2:1:3).** Study of fabric surface design and fabric structures using tie dye, batik, quilting and 3-d form construction. Pr. 140 or HID 112 or consent of instructor.
- 275 Metal Crafts I (2:1:3).** Techniques required to make jewelry and small art objects from copper, brass and precious metals. Includes gem and stone setting. Pr. 140 or 150.
- 281 Ceramics I (2:1:3).** A basic course with emphasis on handbuilt forms.
- 285 Photography I (3:1:6).** Equipment and basic techniques of photography. Students must purchase films and papers. 35 MM camera required. Pr. 140, 190, or permission of instructor.
- 286 Motion Photography I (2:1:3).** Equipment and techniques of motion photography. Experimentation with the medium; exposing and processing film; some editing. Pr. consent of the instructor. Not offered every year.
- 287 Photographic Perception (2:1:3).** Designed to enhance visual awareness. Photographic vision, perception and language investigated. Lecture-discussion; problem solving through field and studio exercises with frequent critiques. Photographer and sitter roles explored through feedback. Pr. access to a Polaroid camera.
- 301 History of Western Architecture (3:3).** Architecture in Europe and the Americas from ancient Greece to the present. Pr. 105 or 106 or junior standing. (H).
- 303 Ancient Art (3:3).** Visual arts of the Mediterranean Basin from prehistoric times to the Christian era. Pr. 105 or 106 or junior standing. (H).
- 304 Medieval Art (3:3).** Visual arts within the Christian sphere from early Christian era through late Gothic period. Pr. 105 or 106 or junior standing. (H).
- 305 Renaissance through Rococo (3:3).** Visual arts of Europe during the Renaissance. Mannerist, Baroque and Rococo periods. Pr. 105 or 106 or junior standing. (H).
- 306 Modern Art (3:3).** Visual arts in the west from ca. 1790 to the present. Pr. 105 or 106 or junior standing. (H).
- 320 Drawing Exploration (2:1:3).** An introduction to descriptive and expressive drawing for the general student with no previous training in art. Not open to students who have previously earned credit for 120.
- 321 Life Drawing II (2:1:3).** Continuation of 221. May be repeated for credit with consent of the instructor and department head. Pr. 221.
- 332 Architectural Design (3:1:6).** Work in architectural design. Pr. 140. Not offered every year.
- 335 Painting II (2:1:3).** Studio course; substantial work from the model. Emphasis on development of control of the medium for pictorial purposes. Pr. 231 or 232.
- 337 Painting III (2:1:3).** Continuation of 335. Pr. 335.
- 343 Techniques of Structures (4:2:6).** Theory and craftsmanship of small structures. Emphasis on aesthetic and mechanical characteristics of common materials. Pr. 240.
- 345 Three-Dimensional Design (2:1:3).** Development of three-dimensional systems as objects and as environments. Pr. 10 s.h. of studio art including 140.
- 346 Kinetic Design (2:1:3).** Motion and time sequence in two-dimensional and three-dimensional design. Pr. 10 s.h. hours of studio art including 140.
- 347 Color Theory (2:1:3).** Major color theories and systems. Projects using properties of color in pigments, transparencies and projected light. Pr. 140.
- 348 Design in Metals (2:1:3).** Basic of welding and other metal assembly techniques. Basic welding will include the operation of an oxy-acetylene welder and the execution of basic welding skills. Other metal working techniques will include arc welding, forging and mechanical assembly of metals. Pr. 140 and 240.
- 352 Moldmaking (2:1:3).** Materials and techniques of rigid and flexible molds.
- 353 Casting Metal (2:1:3).** Investing, pouring and finishing metal casting. Pr. 352.
- 355 Sculpture II (2:1:3).** Sculptural and plastic problems encountered in various sculptural media. Pr. 150.
- 356 Sculpture III (2:1:3).** Continuation of 355. Pr. 355.
- 360, 361 Art Education Practicum I, II (1:0:2), (1:0:2).** Professional objectives and working conditions of the art teacher presented in lectures, reading and pre-student teaching experiences. A prerequisite for 465. Normally taken in junior year. Pr. junior standing.
- 363 Curriculum and Teaching Methods in the Elementary School (3:2:2).** Aims and the philosophy of art education in elementary school. Pr. 190 or consent of instructor. Special section for art majors only will be offered in the fall. Pr. for art majors 360, 361. (Count as Art credit.)
- 365 Curriculum and Teaching Methods in the Secondary School (3:2:2).** Aims, philosophy and curricula of art education in the secondary school; the selection, preparation and use of teaching materials. Pr. 18 semester hours of art, 360, 361. (Count as Art credit.)
- 371 Fiber Crafts II (2:1:3).** Continuation of 271. Advanced loom techniques including pattern drafting. Pr. 271 or consent of the instructor.
- 372 Surface Design/Fabric Printing (2:1:3).** An introduction to pattern design and to the basic block printing and silkscreen printing processes appropriate for the fabric surface. Pr. 140.
- 373 Design Methods for the Crafts (4:2:6).** Sources of and approaches to crafts design with materials such as wood, fiber, metal and paper. Exploration of sources of design in natural and man-made worlds. Recommended for Art Education majors. Pr. 105 or 106, 140 or consent of instructor.
- 375 Metal Crafts II (2:1:3).** Continuation of 275. Pr. 275.
- 381 Ceramics II (2:1:3).** Wheel thrown forms; glazing and decorating techniques. Pr. 281 or consent of instructor.
- 382 Ceramic Glaze Techniques (2:1:3).** Glaze formulae; mixing and testing of glazes, glaze application, the care and operation of equipment. Pr. 281.



- 385 Photography II (3:1:6).** Special techniques including those used in research laboratory; work with special types of film. Students must purchase films and papers. Pr. 285 or portfolio and permission of instructor.
- 386 Motion Photography II (2:1:3).** Intermediate course in motion photography requiring planning and execution of a complete film involving advanced techniques of animation and rephotographing/printing. Pr. 286. Not offered every year.
- 393 Practicum in Art Careers (1).** A practicum experience for art majors for developing career goals and skills. May be repeated for credit. Pr. sophomore standing.
- 395 Portfolio Preparation (2).** An investigation of the morphology of the professional, business, and ethical aspects of the art world by students, staff, and occasional guest lecturers.
- 398, 399 Independent Studio III, IV (2), (2).** Open only to art majors. Required of BFA Art majors except those in the Art Education I concentration. Student encouraged to develop working habits and methods consistent with his intentions as an artist. Occasional criticism or conferences with a selected faculty member as needed. Pr. junior standing and admission to independent study and 199.
- 402 Greek Art (3:3).** Architecture, sculpture and vase painting, from ca. 1000 B.C. to the end of the Hellenistic period. Pr. 303 or senior standing with consent of the instructor. Offered in alternate years.
- 403 Early Medieval Art (3:3).** Early medieval art in Western Europe from ca. 500 to 1066 A.D. including Hiberno-Saxon (Celtic) Carolingian, Ottonian and Anglo-Saxon works. Pr. 304 or senior standing and instructor's approval. Offered in alternate years.
- 404 Romanesque Art (3:3).** Romanesque Art throughout Europe from ca. 1050 to ca. 1180 A.D. including architecture and all other media. Pr. 303 or senior standing and instructor's approval. Offered in alternate years.
- 405 Gothic Art (3:3).** Art in Europe from ca. 1160 to ca. 1400: architecture, sculpture, manuscript illumination and mural painting. Pr. senior standing and consent of instructor or 303 or 404. Offered in alternate years.
- 406 Italian Renaissance Art (3:3).** Art in Italy from ca. 1410 to ca. 1520: painting, sculpture, architecture. Pr. 305 or junior standing and consent of the instructor. Offered in alternate years.
- 407 Northern Renaissance Art (3:3).** Art in Europe north of the Alps from circa 1400 to circa 1560. Painting and graphic arts emphasized. Pr. 305 or junior standing and consent of the instructor.
- 408 Baroque Art (3:3).** Seventeenth century art in Europe; painting, sculpture, architecture. Pr. 305 or junior standing and consent of the instructor. Offered in alternate years.
- 409 American Art (3:3).** Historical development of European derived art in the United States including the colonial period. Painting and architecture emphasized. Pr. 306 or senior standing. Not offered every year.
- 410 Later Nineteenth Century Painting and Sculpture in Europe (3:3).** Painting and sculpture from ca. 1850 to ca. 1890. Emphasis on developments in France. Pr. 306 or junior standing and consent of the instructor. Offered in alternate years.
- 411 Early Twentieth Century Art in Europe (3:3).** Painting and sculpture in Europe from ca. 1900 to World War II. Pr. 306 or junior standing and consent of the instructor. Offered in alternate years.
- 412 Twentieth Century Art of the United States (3:3).** Emphasis on painting and sculpture, since World War II. Pr. 306 or senior standing.
- 413 Sculpture of Tribal Africa (3:3).** Tribal styles by geographical location with a consideration of the evidence of historical continuities. Pr. junior standing. Not offered every year.
- 414 Late Modern and Contemporary Art (3:3).** An historical analysis of the thematic concerns of contemporary art in Europe and America. Pr. 105 or 106; 306 suggested but not required.
- 415 Genesis of Modernism: European Art 1880-1910 (3:3).** Study of major artists, themes and developments of late 19th and 20th century European art with special emphasis on recent research in this area. Pr. 306 or senior standing.
- 420 Book Illustration (4:2:6).** The execution and composition of illustrations in black and white and color of children's books, classical and contemporary literature, textbooks and poetry. Work in pen and ink, watercolor, and oil. Pr. 220, 221, or approval of instructor.
- 427 Experimental Course: Advanced Printmaking (4:2:6).** An exploration of advanced printmaking processes used in formation of imagery in all four of basic printmaking processes. Pr. 225 or 226 or 228 or 229.
- 428 Etching II (2:1:3).** Continuation of 228. May be repeated for credit with consent of the instructor or department head. Pr. 228.
- 429 Lithography II (2:1:3).** Continuation of 229. May be repeated for credit with consent of the instructor or department head. Pr. 229.
- 435 Portrait Painting (2:1:3).** Figure painting from clothed model with special consideration of the problems of likeness and characterization. Pr. 231 or 232 or permission of instructor.
- 439 Rendering (2:1:3).** Special techniques and pictorial schemes appropriate to rendering architectural and product subjects. Pr. 222, 223.
- 444 Costume Design (4:2:6).** Problems characteristic of professional practice of costume design. For advanced design students. Pr. 12 s.h. of design and fiber crafts courses (40's and 70's series) and 4 s.h. from the following: 150, 221, 321. Not offered every year.
- 446 Graphic Design (4:2:6).** Problems characteristic of the professional practice of graphic design. For advanced students. Pr. 12 s.h. of design or its equivalent or permission of instructor. Not offered every year.
- 448 Interior Design (4:2:6).** Problems characteristic of the professional practice of interior design. For advanced students. Pr. 12 s.h. of design courses (40's series),



222, 223, 439 (may be taken simultaneously). Not offered every year.

- 463 Student Teaching in the Elementary School (6:1).** Supervised student teaching at the elementary school level. Pr. senior standing with 2.2 average or above; EDU 450, ART 363, 365.
- 465 Student Teaching in the Secondary School (6:1:0).** Supervised student teaching at the secondary school level. Pr. senior standing with a 2.2 average; EDU 450, ART 363, 365.
- 471 Fiber Crafts III (4:2:6).** Advanced studies in floor loom and off loom fiber arts. Pr. 140, 271, 371 or consent of instructor.
- 481 Ceramics III (2:1:3).** An advanced course in ceramics with the emphasis on the entire ceramic process: preparation of clay body and glazes, forming and bisque and glaze firing. Pr. 281, 381.
- 491 Senior Studio Seminar (2:2).**
- 493-494 Honors Work (3:1:6)-(3:1:6).**
- 496 Special Problems, Studio (2).** Independent studio work adjusted to needs and interests of individual student. May be repeated for credit with consent of department head. To be counted as Independent Study only with permission of department head.
- 497 Special Problems, Art History and Criticism (3:3).** Directed program of reading and research. Pr. recommendation of the instructor and either 15 semester hours of art history and criticism or approval of department head.
- 498, 499 Independent Study V, VI (4), (4).** Continuation of 399. Students are expected to carry out a consistent sequence of work that demonstrates a high level of technical accomplishment and self-motivation. In conception the work should demonstrate a standard of maturity consistent with superior undergraduate standards. Restricted to Art majors. Pr. 199 and admission to independent study.

### Courses for Advanced Undergraduates and Graduates

- 501 Major Developments in the History of Sculpture (3:3).** Representative examples of Western and non-Western sculpture of all periods, with emphasis on sculptural thinking and methods. Pr. 305 or junior standing and consent of instructor or graduate standing.
- 504 Medieval Sculpture, 600 to 1400 A.D. (3:3).** Study of Hiberno-Saxon metal work; ivory and metal work of Carolingian and Ottonian period through large scale stone sculpture circa 1070 to 1400 A.D. Pr. one medieval art history course.
- 505 Medieval Painting (3:3).** Painting in all media throughout the medieval period in Western Europe from 600 A.D. to around 1350 A.D. Pr. advanced art history undergraduate major or graduate standing or permission of instructor.
- 510 Aspects of the Contemporary Art World (2).** A study of the current visual art scene through a series of lectures utilizing both the visiting arts and guest

lecturers to the Art Department and Weatherspoon Gallery. Content varies from semester to semester; may be repeated for up to six hours of credit with discretion of instructor.

- 531 Painting (4:1:8).** Theories, methods and techniques characteristic of recent trends in painting. Pr. senior or graduate standing. (Formerly 581).
- 532 Landscape Painting (4:2:6).** Practice and study of traditional and contemporary methods of landscape painting in a variety of media. Pr. advanced undergraduate painting, drawing, or graphics majors and graduate students, or permission of instructor.
- 563 Trends and Teaching in Art: Special Populations (3:2:1).** Curricular and instructional principles, processes, and designs applicable to special populations in various school, institutional, or community settings. Pr. completion of 363, student teaching, or equivalent; or consent of instructor.
- 565 Issues in Art Education (3:3).** An exploration of issues in art or education which affect the teaching of art. May be repeated once for credit when topics vary. Pr. graduate status or consent of instructor.

### Courses for Graduates

- 600 Art Criticism (3:3).**
- 603 Motion and Art (3:3).**
- 605 Northern Renaissance Painting (3:3).** (Formerly 650).
- 606 Italian Renaissance Painting (3:3).** (Formerly 649).
- 607 The Portrait (3:3).**
- 608 History Painting (3:3).**
- 609 The Monument (3:3).**
- 611 The Teaching of Art from Vasari to Albers (3:3).** (Formerly 652).
- 612 Expressionism (3:3).**
- 613 Realism (3:3).**
- 614, 615 Modern Painting (3:3), (3:3).** (Formerly 661, 662).
- 617 Perspectives in Contemporary Art (3:3).**
- 618 A Study of the Artist (3:3).**
- 619 Research Problems in Art History, Art Criticism (3).**
- 626 Woodcut and Wood Engraving (4:2:6).**
- 627 Lithography (4:2:6).** (Formerly 651).
- 628 Etching (4:2:6).**
- 629 Studio Problems in Drawing, Painting, or Printmaking (4).**
- 631, 632 Painting and Drawing (2:1:3), (2:1:3).**
- 633, 634 Painting and Drawing (4:2:6), (4:2:6).**
- 635 Portrait Painting (4:2:6).**
- 636, 637 Painting Research Seminar (4:2:6), (4:2:6).** (Formerly 687, 688).
- 641 Design (4:2:6).** (Formerly 631).
- 649 Studio Problems in Design (4).**
- 654 Art Education (3:3).**
- 655, Sculpture (2:1:3), (2:1:3).**



- 656  
 657, **Sculpture (4:2:6), (4:2:6).**  
 658  
 659 **Studio Problems, Sculpture (4).**  
 663 **Practicum: Schools, Museums or Other Settings (3).**  
 672 **Fiber Arts (4:2:6).**  
 682 **Ceramics (4:2:6).**  
 685 **Photography (4:2:6).**  
 690 **Experimentation and Analysis: Studio Arts (3:1:6).**  
 699 **Thesis (2 to 6).**  
 800 **Graduate Registration.**  
 801 **Graduate Registration.**

### Basic Business Teacher Education — See Business and Marketing Education.

### Biology — Department of

(312-C Life Sciences Building/College of Arts and Sciences)

- William K. Bates** (1966), Professor and Head of Department/B.A., Ph.D., Rice.  
**Steven M. Anderson** (1984), Assistant Professor/B.A., St. Cloud State/Ph.D., Iowa State.  
**Laura G. Anderton** (1948), Professor/B.A., Wellesley College/M.S., Brown/Ph.D., U.N.C. at Chapel Hill.  
**Robert E. Cannon** (1972), Associate Professor/B.A., Earlham College/M.S., Ph.D., Delaware.  
**John S. Curtis** (1971), Instructor/B.A., Guilford College/M.A., UNC-G.  
**Linda N. Curtis** (1974), Lecturer/B.A., M.A., UNC-G/Ph.D., U.N.C. at Chapel Hill.  
**Eleanor L. Duggan** (1983), Lecturer/B.A., M.A., UNC-G.  
**Robert E. Gatten, Jr.** (1978), Associate Professor/B.S., M.A., College of William and Mary in Virginia/Ph.D., Michigan.  
**Herbert T. Hendrickson** (1968), Associate Professor/B.S., Ph.D., Cornell.  
**Howard N. Jacobson** (1978), Professor, School of Home Economics and Department of Biology/B.S., B.M., M.D., Northwestern. Part-time.  
**Charles M. Kelly** (1983), Lecturer/B.S., Carnegie-Mellon/Ph.D., Purdue.  
**Elizabeth P. Lacey** (1978), Associate Professor/B.A., Colorado/M.S., Ph.D., Michigan.  
**Paul E. Lutz** (1961), Professor/B.A., Lenoir-Rhyne College/M.S., Miami/Ph.D., U.N.C. at Chapel Hill/L.H.D., Lenoir-Rhyne College.  
**Edward McCrady III** (1964), Associate Professor/B.S., University of the South/M.A., Ph.D., Virginia.  
**Brenda S. Madden** (1979), Lecturer/B.A., M.A., UNC-G.  
**Ralph M. Morrison** (1960), Associate Professor/B.S., College of William and Mary in Virginia/Ph.D., Indiana.  
**Odessa R. Patrick** (1958), Instructor/B.S., N.C.A&T State/M.A., UNC-G.  
**Sarah Sands** (1958), Associate Professor/B.S., Salem College/M.T., Bowman Gray/M.S., Tennessee.  
**Yvonne W. Singh** (1976), Instructor/B.A., M.A., UNC-G.  
**Roberta G. Smith** (1984), Lecturer/B.A., M.A., UNC-G.  
**Robert H. Stavn** (1971), Associate Professor/B.A., San Jose State College/M.S., Ph.D., Yale.

**James F. Wilson** (1964), Professor/B.S., Southern Illinois/M.S., Iowa State/Ph.D., Stanford.

The Department of Biology has been in existence for over 80 years at UNC-G. Together with a very active undergraduate biology program, the department also offers the Master of Arts degree. The degree of Master of Education is also available through a cooperative program with the School of Education.

In 1971 the Biology wing of the Life Sciences Building was completed, and this structure allows both expanded teaching opportunities and a continually growing commitment to scientific research.

In addition to the preparation of professionals in biology, the department seeks to provide students with an appreciation of living organisms and their environments. This knowledge should aid in the quest for solutions to the problems faced by humanity.

### BIOLOGY MAJOR (Bachelor of Arts)

Required: 122 semester hours.

The Department offers a full range of courses leading to the B.A. degree. Individual programs can be arranged around the required core of courses taken by all majors. These programs may lead to further study in graduate school, medicine, dentistry, veterinary medicine, medical technology and interpretive biology. Research is emphasized and is a major component of faculty activity. Both study and laboratory facilities are available to advanced undergraduates.

Students seeking **teacher certification** should see Teacher Education Chapter.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in Western Civilization (6 semester hours) and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours), and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

### Major Requirements

All majors are required to complete BIO 101 and 102 or their six semester hour equivalent (determined by transfer credit or by department committee).

In addition to BIO 101, 102, majors are required to complete 24-36 semester hours in biology. Included in these hours above the 100 level, all majors are required to take a minimum of **five** courses selected from five of the six categories.

1. Cell and Biochemistry: BIO 355, 535, 581.
2. Development: BIO 353, 554.
3. Diversity: BIO 222, 241, 524, 570.
4. Ecology: BIO 301.
5. Genetics and Evolution: BIO 592.
6. Physiology: BIO 277, 324.



### Related Area Requirements

In addition to 24-36 hours in biology, majors are required to take the following cognate courses or their approved equivalents:

1. CHE 114, 114L.
2. MAT 121 or 191.

The department highly recommends the following courses in addition to the required cognates:

1. CHE 351, 352, 354.
2. MAT 191 or STA 571.
3. PHY 101, 102.

### Electives

Electives sufficient to complete total semester hours required for degree.

### Biology Minor

A minimum of 15 hours in biology, including BIO 101 and 102 (or their equivalent) with at least one course from each of two of the six biology core categories, is required for a minor in biology.

### Transfer Credit

Credit for courses in anatomy, physiology, and microbiology is transferred as biology elective credit only. To attempt to establish credit for BIO 271, 277, 380 or 581, students should contact the Head of the Department of Biology.

## Biology-BIO/courses

### Courses for Undergraduates

- 101 Principles of Biology (3:2:3).** Emphasis placed on philosophical basis of science, molecular and cellular basis of life, ecological principles, evolution by means of natural selection and diversity of living things. Audio-tutorial laboratory. (NSM), (CLS).
- 102 Principles of Biology (3:2:3).** Basic coverage of cellular and organismic reproduction, patterns of inheritance, development, evolution and maintenance of homeostasis. Audio-tutorial laboratory. Recommended that 101 be taken before 102. (NSM), (CLS).
- 105 Major Concepts of Biology (3:3).** Introduction to the major ideas of living things including composition, reproduction, genetics, evolution, energetics and ecology. Emphasis will be placed on the derivation of these ideas. Not a prerequisite for upper level courses in place of 101, 102. (NSM), (CLS).
- 202 Plants and Civilization (2:2).** An introduction to the uses of plants and fungi in human society.
- 222 Plant Morphology (3:2:3).** Plant kingdom from an evolutionary point of view, with emphasis on structure, function, reproduction, habitat and probable phylogenetic relationships. Pr. 101, 102. (NSM).
- 231 The Human Environment (1:1).** Human ecology with special emphasis on pollution and the population explosion as they threaten man's future. Causes and cures of major aspects of human ecology covered, but special attention given to biological principles. Grade: pass/not pass.
- 241 Invertebrate Zoology (4:3:3).** Major invertebrate groups with emphasis on ecology, physiology, evolution and structural adaptations of representative types. A weekend coastal field trip is required. Pr. 101, 102. (NSM).
- 271 Mammalian Anatomy (4:3:3).** Human anatomy with study of skeletons, models and anatomical preparations. Includes dissection of cat. Pr. 101, 102. (NSM).
- 277 Mammalian Physiology (4:3:3).** Human physiology with emphasis on homeostatic mechanisms. Pr. 101, 102, high school chemistry with a grade of C or better. (NSM).
- 283 Introduction to the Profession of Medical Technology (1:1).** A general survey of the field of medical technology without methodological or theoretical details. Topics include professional ethics, certification and registration procedures, program accreditation and evaluation, specialization possibilities, work and career advancement opportunities.
- 301 Principles of Ecology (3:3).** An introduction to the fundamentals of ecology. Principles relating to populations, communities and ecosystems will be stressed. Particular emphasis will be placed on the many dimensions of interdependence within ecosystems. Pr. 101, 102. (NSM).
- 324 Plant Physiology (3:2:3).** Physiological processes involved in plant growth and behavior including effect of environmental factors. Pr. 101, 102 or CHE 114, 114L. (NSM).
- 330 Biological Evolution (3:3).** A survey of modern systematics and the biological mechanisms responsible for diversity among living forms. Pr. 101, 102.
- 333 Natural Science (3:2:3).** General course to cultivate interest and understanding of natural environment with field study of natural sites. Overnight trips required.
- 353 Vertebrate Morphogenesis (4:3:4).** Comparative anatomy of vertebrate embryos and adult forms. Laboratory work includes dissection of representative vertebrates and microscopic study of stages of embryonic development. Pr. 101, 102.
- 355 Cell Biology (3:3).** A study of cellular organization and function. Fundamental biochemical properties, including cellular components, enzyme function, energetics and metabolism are studied in relation to cellular structure, membrane function, cell movement and cytoplasmic compartments. Pr. 101, 102, and CHE 114 or equivalents. (NSM).
- 372 Histology and Microtechniques (3:1:6).** A study of microscopic anatomy of mammalian tissues and organs with emphasis on correlating structures visible under the light and electron microscopes with their



functions. Includes histological techniques and tissue culture techniques useful in biological research and medicine. Pr. 271, 353 or consent of instructor. (NSM).

- 377 Animal Physiology (3:3).** A broad survey of the physiology of invertebrates and vertebrates including energy metabolism, temperature effects, temperature regulation, respiration, blood, circulation, water and ion balance, and excretion. Pr. 277.
- 380 Fundamentals of Microbiology (3:2:4).** General survey of microorganisms with special emphasis on microorganisms that cause disease in man. Credit cannot be obtained for this course and 581. Pr. 101, 102 and/or general chemistry. Suggested for nursing major.
- 383 Introduction to Clinical Pathology (3:2:4).** An introduction to the profession of medical technology, including major divisions within the field of laboratory medicine. Lectures describe tests to evaluate organ systems, basic pathophysiology-producing abnormalities and evaluation of clinical procedures. Laboratories emphasize basic concepts and evaluation of results of tests discussed in lecture. Pr. 277 and CHE 114 or consent of instructor.
- 493-494 Honors Work (3:3)-(3:3).**
- 499 Biological Problems (1 to 3).** Individual studies in biological research. Laboratory work and reading guided by regular conferences with instructor in charge. Times by arrangement. May be repeated for up to 6 hours credit with departmental permission.

## Courses for Advanced Undergraduates and Graduates

- 501 Microscopy and Photomicrography: Theory and Technique (3:1:6).** Principles and uses of the modern optical microscope. Theory and techniques in brightfield, phase-contrast, fluorescence microscopy and photomicrography. Pr. 101, 102; elementary physics recommended; consent of instructor.
- 506 Field Botany (3:3 weeks camping, summer).** A field course in plant biology to be studied while camping in the major ecological habitats of North Carolina. Pr. advanced standing in biology or special skills, permission of instructor.
- 524 Introduction to Plant Systematics (3:2:3).** An introduction to the classification of plants, local flora and principles of evolution as they relate to plant species. One to three optional field trips. Pr. 101, 102.
- 527 Terrestrial Plant Ecology (3:2:3).** The application of principles of ecology to plants and plant communities. Experimental methods stressed in laboratory work. Two required weekend field trips. Pr. 301.
- 528 Microbial Ecology (3:3).** Selected topics in microbial ecology. Emphasis on interspecific relationships of microorganisms with reference to current pollution problems. Pr. 301, 581 or equivalent.
- 529 Aquatic Ecology (3:2:3).** Interactions and adaptations of aquatic organisms in the major aquatic environments; fresh water, estuaries, and oceans. Optional field trips monitor local lakes, Carolina bay lakes, and the coastal Cape Fear area. Pr. 301, CHE 114, or permission of instructor.
- 535 General Biochemistry (3:3).** Chemical properties of major cellular compounds; biosynthesis, degradation, and function of carbohydrates, lipids, proteins, nucleic acids, vitamins and hormones; energy metabolism; enzymatic catalysis. Pr. CHE 205 or 352.
- 536 Topics in Biochemistry (3:3).** Selected biochemical topics such as protein biosynthesis; thermodynamics of biological systems; cellular regulatory processes, mechanisms of enzymatic catalysis; chemistry of nucleic acids and proteins. Pr. 535 and permission of the instructor.
- 538 Radiation Biology and Radiotracer Methods (4:3:3).** Characteristics of ionizing radiation and uses of radioisotopes in biological studies. Principles of radiation interaction; methods of detection of ionizing radiation; personnel protection. Laboratory work emphasizes liquid scintillation methods and processing of these data. Pr. permission of instructor.
- 545 General Biochemistry Laboratory (1:0:3).** Experimental work designed to complement lecture material of BIO 535. Pr. 535. (May be taken concurrently.)
- 546 Advanced Biochemistry Laboratory (2:0:6).** Experimental work relevant to current biochemical research. Independent work and experimental design emphasized. Pr. 545 and permission of instructor.
- 549 Coordinating Course: Problems In Biology (1 to 3).** Current problems in biological sciences. Students make individual contributions in the form of independent reading, bibliographic work and simple laboratory experiments.
- 554 Experimental Development (4:2:6).** Basic principles of development studied in lecture, laboratory and seminar. Experiments on fertilization, cleavage, gastrulation, regeneration and transplantation in sea urchin, frog and chick. Includes fertilization, gene activation, in development, differentiation, growth, regeneration, wound healing. Pr. 101, 102, 353 or permission of the instructor.
- 570 Natural History of Vertebrates (3:2:3).** Classification, identification and phylogeny of all classes of vertebrates, with field work. Pr. 101, 102.
- 577 Mammalian Physiology (3:2:3).** Function of mammals at the cellular and organ system levels with laboratories. Not open to students who have received credit for 277.
- 579 Environmental Physiology (3:3).** Lectures, discussions, demonstrations, and student presentations on the physiology of animals as it is influenced by and is adapted to environmental conditions. Pr. 277 (or 577) and 377 or equivalents; or permission of instructor.
- 581 General Microbiology (4:3:4).** Introductory survey of microbiology, emphasizing the role of microorganisms in everyday life. Pr. 101, 102, CHE 114, 114L.



- 582 Pathogenic Bacteriology (4:3:4).** The study of pathogenic microorganisms and their relation to disease processes in man. Pr. 581 or permission of instructor.
- 583 Virology (3:3).** Selected topics in virology. Emphasis upon new trends in the study of animal, plant and bacterial viruses at both molecular and cellular levels. Pr. 581 or permission of instructor; genetics and biochemistry recommended. Not offered every year.
- 584 Immunology (3:3).** Principles of immunology and serology covering both humoral and cellular aspects of immunobiology. Selected topics to include: T and B cell, immunoglobulins, tolerance, hypersensitivity. Pr. 581 or permission of instructor. Not offered every year.
- 586 Cytogenetics (3:3).** Classical cytogenetics and recent findings in mammalian cytogenetics particularly as related to medical genetics. Includes chromosomal origin of certain birth defects and mechanism of gene action in development. Pr. 101, 102, 592. Not offered every year.
- 592 Genetics (3:3).** Mendelism and modern trends in genetics. Pr. 9 hours of biology or permission of the instructor.
- 594 Introduction to Biotechnology (2:2).** Basic principles and techniques of biotechnology. Includes molecular cloning, DNA sequencing, and hybridomas. Explores development of interferon, growth hormones, gene therapy, and gene surgery. Attendance of research seminars required. Pr. 12 hours of biology or chemistry above 100 level; genetics recommended.
- 595 Advanced Genetics (3:3).** Selected topics in genetics at an advanced level. Emphasis placed on comparative view of molecular and microbial genetics with reference to implications these systems have for genetic mechanisms of the higher animals and plants. Pr. general genetics course or its equivalent.
- 599 Biology Seminar (1:1).** Oral reports and discussions of topics from current literature of biology by students, faculty and guest lecturers. Pr. senior or graduate standing. Grade: satisfactory/unsatisfactory.

- 689 Advanced Topics In Animal Ecology (3:3).**
- 690 Advanced Problems in Plant Ecology (3:3).**
- 691 Current Topics In Cytogenetics (3:3).**
- 692 Current Topics in Microbiology (3:3).**
- 695 Techniques in Biological Research (3:2:3).**
- 699 Thesis (3 to 6).**
- 800 Graduate Registration.**
- 801 Graduate Registration.**

### Black Studies — See Interdepartmental Studies.

### Business and Marketing Education — Division of

(476 Business and Economics Bldg./School of Business and Economics)

- James W. Crews** (1973), Director, Division of Business and Marketing Education and Professor, Department of Information Systems and Operations Management/B.S.E., M.A.E., Florida/Ed.D., Indiana.
- George P. Grill** (1963), Professor, Department of Information Systems and Operations Management.
- Gwendolyn S. Loy** (1975), Associate Professor, Department of Information Systems and Operations Management.
- Stephen R. Lucas** (1971), Professor, Department of Management.
- Benton E. Miles** (1971), Professor, Department of Management.

The Division of Business and Marketing Education has programmatic responsibilities to develop, maintain, update, and promote business and marketing teacher education. These programs are designed to prepare, at the bachelor's degree level, graduates who are qualified and certified to teach in North Carolina secondary schools. At the graduate level, a Master's degree program and a sixth year or Certificate of Advanced Study are available to secondary school business and marketing teachers and to others who desire to teach at the post-secondary level. Employment opportunities are excellent, particularly in secondary schools as well as in community colleges and technical institutes.

A major is available at the bachelor's degree level for each of two areas of teaching, business education or marketing education, depending upon the interest of the student. The primary thrust of each major is the preparation of students to teach high school subjects germane to the business world. Because of the substantial foundation in business courses taken by these majors, many graduates have opportunities to be employed in the business world as an alternative career path. Thus, these two majors provide dual opportunities for employment.

The North Carolina State Department of Public Instruction is a source of two types of financial aid available on a competitive basis to undergraduate students pursuing preparation for a teaching career in business education or marketing education. One is a pure scholarship of \$2,000 annually and the other is a scholarship-loan of \$2,000 annually that may be repaid in cash or by teaching in North

### Courses for Graduates

- 611 Seminar In Ecology (3:3).**
- 614 Seminar In Developmental Physiology of Insects (3:3).**
- 620 Seminar in Microbiology (3:3).**
- 621 Seminar In Biochemical Genetics (3:3).**
- 633 Seminar in Biochemistry (3:3).**
- 641 Seminar in Mammalian Cytogenetics (3:3).**
- 644 Seminar in Evolution and Systematics (3:3).**
- 681 Advanced Studies In the Biochemical Literature (3:3).**
- 682 Current Topics in Plant Physiology (3:3).**
- 683 Problems In Animal Physiology (3:3).**
- 684 Morphogenetic Processes in Development (3:3).**
- 685 Current Topics in Development (3:3).**
- 686 Advanced Problems In Animal Morphology (3:3).**
- 687 Advanced Topics in Genetics (3:3).**
- 688 Seminar on Biochemical Systematics (3:3).**

Carolina public schools one year for each \$2,000 scholarship received. See the Division Director for more information and application forms.

Other financial aid sources available at UNC-G are listed in Appendix D of this catalog.

## BUSINESS EDUCATION MAJOR (Bachelor of Science)

Within this major there are two avenues or concentrations from which students may choose. The Comprehensive Business Education Concentration qualifies graduates to teach **all** business education subjects offered at the secondary school level. A slightly restricted concentration, Basic Business Education, qualifies one to teach all business education subjects normally taught at the secondary school level except courses that involve shorthand. There are ample opportunities for employment of graduates from both concentrations.

### Comprehensive Business Education Concentration

Required: 122 semester hours

#### Liberal Education Requirements

(See Curriculum chapter for full explanation.)

1. One course in English composition or exemption.
2. Three courses from Humanities Area (H).
3. Two courses from Natural Sciences and Mathematics Area (NSM) to include at least three semester hours in one of the following: biology, chemistry, physics, or geography.
4. Two courses outside the School of Business and Economics from Social and Behavioral Sciences Area (SBS).
5. Four additional courses, two of which must be outside the School of Business and Economics, from any one, all, or combination of the above three areas or in an elementary foreign language.

Note: Work taken to satisfy Nos. 2, 3, 4, and 5 above or in other portions of the students' program must include MAT 191, PSY 221, SOC 211 and three additional semester hours in approved social and behavioral sciences other than area credit courses offered in the School of Business and Economics.

#### Major Requirements

BME 368, 463, 464, 465, 550, 555, competency in typewriting and shorthand according to Division standards (see Division Director for details).

#### Related Area Requirements

1. ACC 201, 202.
2. ECO 201, 202 (included in Liberal Education Requirements), 350.
3. FIN 340.
4. ISM 234, 300, 309, 320, 350, 360.
5. MGT 310, 320, 330, 491.

6. Speech screening test requirements.
7. EDU 381, 450, 470.
8. HEA 201.
9. Physical Education, 2 semester hours.

#### Electives

Electives sufficient to complete the total number of hours required for the degree, but must include at least one course outside the School of Business and Economics.

### Basic Business Teacher Education Concentration

Required: 125 semester hours.

#### Liberal Education Requirements

Same as for the Comprehensive Business Education Concentration.

#### Major Requirements

BME 368, 463, 464, 465, 550, 555 competency in typewriting according to Division standards (see Division Director for details).

#### Related Area Requirements

1. ACC 201, 202.
2. ECO 201, 202 (included in Liberal Education Requirements), 350.
3. FIN 300, 340.
4. ISM 234, 300, 309, 345, 350, 360.
5. MGT 310, 320, 330, 491.
6. Speech screening test requirements.
7. EDU 381, 450, 470.
8. HEA 201.
9. Physical Education, 2 semester hours.

#### Electives

Electives sufficient to complete the total number of semester hours required for the degree but must include at least one course outside the School of Business and Economics.

## MARKETING EDUCATION MAJOR (Bachelor of Science)

The marketing education major qualifies graduates to teach marketing, merchandising, and management courses in secondary schools as well as specialty courses such as fashion merchandising, advertising, sales, wholesaling, and food marketing. This major offers graduates of the program opportunities to be involved with the business community in a variety of ways such as arranging for part-time employment for high school students, conducting business advisory committee activities, and creating public relations news releases.

The marketing education teacher is often an entrepreneur, resulting in a job that is both creative and challenging. Employment opportunities for graduates of this program are excellent in North Carolina and in the nation.



### Marketing Education Concentration

Required: 122 semester hours.

#### Liberal Education Requirements

Same as for the Comprehensive Business Education Concentration.

#### Major Requirements

BME 458, 469, 465, 555.

#### Related Area Requirements

1. ACC 201, 202.
2. ECO 201, 202 (included in Liberal Education Requirements), 350.
3. FIN 340.
4. ISM 234, 309, 360.
5. MGT 306, 310, 320, 330, 491, 507, 508, 518, 550.
6. Speech screening test requirements.
7. EDU 381, 450, 470.
8. HEA 201.
9. Physical Education, 2 semester hours.

#### Electives

Electives sufficient to complete the total number of hours required for the degree, but must include at least one course outside the School of Business and Economics.

Requirements of the Master of Science in Business Education degree and of the Certificate of Advanced Study in Business and Marketing Education are described in the **Graduate School Catalog**.

## Business and Marketing Education — BME/courses

### Courses for Undergraduates

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| <p><b>111</b> <b>Fundamentals of Typewriting (1:3).</b> Development of basic typewriting skills as vehicle of communications. (Formerly BIS 111.)</p> <p><b>112</b> <b>Intermediate Typewriting (1:3).</b> Further emphasis on basic typewriting skills with their application to business letter writing, tabulating, manuscript writing; introduction to office production and measurement. Pr. 111 or approved equivalent. (Formerly BIS 112.)</p> <p><b>213</b> <b>Problems in Typewriting (1:3).</b> Problems involving statistical reports, rough drafts, financial reports, legal forms, manuscripts, duplicated reports and other selected forms and reports. Continued emphasis on letter production problems. Pr. 112 or approved equivalent. (Formerly BIS 213.)</p> <p><b>214</b> <b>Advanced Problems in Typewriting (1:3).</b> Development of sustained production on advanced simulated typewriting problems commonly found in business offices. Measurement by office standards. Pr. 213 or approved equivalent. (Formerly BIS 214.)</p> | <p><b>221, 222</b> <b>Shorthand and Transcription (3:5), (3:5).</b> Mastery of Gregg Shorthand. Application of the skills of shorthand, typewriting, and English in transcription. Pr. 112 or approved equivalent. (Formerly BIS 221, 222.)</p> <p><b>368</b> <b>Principles of Business Education (3:3).</b> Aims and objectives of business education. Scope and functions of agencies and institutions for business education. Evaluation of various business curricula in relation to modern educational philosophy; trends in business education; and findings of research. (Formerly BIS 368.)</p> <p><b>413</b> <b>Special Problems in Business and Marketing Education (1 to 3).</b> Opportunity for students to work individually on a problem of special interest. Student should secure recommendation from an instructor and consult with the Division Director before registering for the course. (Formerly BIS 413.)</p> <p><b>458</b> <b>Curriculum and Methods of Teaching Marketing Education (3:3).</b> The role of the distributive education teacher with respect to curriculum development and instructional methodology. Pr. acceptance into a teacher education program or consent of instructor. (Formerly BIS 458.)</p> <p><b>463</b> <b>Teaching Practices and Curriculum in Business Education (3:3).</b> Analysis and evaluation of planning instruction; equipment, materials and supplies; teaching strategies for special-needs groups; testing and evaluation; and teaching selected subject-matter areas. Emphasis on teaching typewriting and word processing, data processing, office occupations, accounting or shorthand courses. Required of student teachers in business education. Pr. senior standing. (Formerly BIS 463.)</p> <p><b>464</b> <b>Teaching Practices and Curriculum in Business Education II (1:1).</b> Analysis and evaluation of planning instruction; equipment, materials and supplies; teaching strategies for special-needs groups; testing and evaluation; and teaching selected subject-matter areas. Emphasis on teaching business communications, business dynamics, business economics, business law, business management and introduction to business. Required of student teachers in business education. Pr. 463. (Formerly BIS 464.)</p> <p><b>465</b> <b>Supervised Teaching (9).</b> Observation, teaching under supervision and participation in the total school and related community activities of a teacher. Full-time responsibility for at least ten weeks. Pr. 463, 464. (Formerly BIS 465.)</p> <p><b>469</b> <b>Organization of Marketing/Distributive Education Programs (3:3).</b> Role of distributive education, responsibilities of marketing/distributive education teachers and curriculum patterns. Emphasis on conduct of successful marketing/distributive education program. Pr. acceptance into a teacher education program or consent of instructor. (Formerly BIS 469.)</p> |
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## Courses for Advanced Undergraduates and Graduates

- 550 Directed Business Practice (1-4:1:3-12).** Planned work experience approved in advance by instructor. Coordinating conferences and seminars. Pr. permission of instructor. Same as MGT 550. (Formerly BIS 550.)
- 555 Coordination of Cooperative Vocational Education Programs (3).** Philosophy, principles, strategies, techniques and procedures for coordination of cooperative vocational education programs. Emphasis on elements common to all areas of cooperative vocational education. Review and analysis of pertinent research. (Formerly BIS 555.)
- 597 Survey of Pre-Vocational Education (3:3).** Designed primarily for pre-vocational education teachers. Emphasis on philosophy and organization of vocational education programs in North Carolina, curriculum and instructional design, sources and uses of occupational information and program evaluative measures. Pr. permission of department head. Same as HEB 597. (Formerly BIS 597.)
- 598 Curriculum and Classroom Organization of Pre-Vocational Programs (3:3).** Designed for pre-service and in-service teachers of pre-vocational programs. Emphasis on curriculum development, teaching techniques, resources, facilities and evaluation. Pr. permission of department head. Same as HEB 598. (Formerly BIS 598.)
- 599 Selected Topics in Business and/or Marketing Education (1 to 3).** A study of topics of common interest to those interested in business and/or marketing education. Group discussion and study rather than independent study are emphasized. Generally non-recurring topics are studied. May be repeated for credit if content is changed. Pr. departmental approval. (Formerly BIS 599.)

## Courses for Graduates

The courses listed below were formerly designated as BIS:

- 610 Research in Business and Marketing Education (3:3).**
- 611 Analysis of Research (3:3).**
- 612 Field Study (1 to 3).**
- 613 Independent Study in Business and/or Marketing Education (1 to 3).**
- 614 Testing and Evaluation in Business and Marketing Education (3:3).**
- 615, 616 Seminar in Teaching (1:1), (1:1).**
- 620 Major Issues in Business and Marketing Education (3:3).**
- 624 Administration and Supervision in Business and Marketing Education (3:3).**
- 625 Curriculum Problems in Business and Marketing Education (3:3).**
- 629 The instructional Program in Vocational Office Education (3:3).**

- 630 Instructional Program in Basic Business (2:2).**
- 631 Instructional Program in Bookkeeping (2:2).**
- 633 Principles and Philosophy of Vocational Business and Marketing Education (2 to 3).**
- 635 Instructional Program in Gregg Shorthand (2:2).**
- 636 Instructional Program in Typewriting (2:2).**
- 639 Instructional Program in Office Practice (2 or 3).**
- 699 Thesis (3).**
- 800 Graduate Registration.**
- 801 Graduate Registration.**

## Business & Community Services —

See Home Economics.

## Chemistry — Department of

(221 Petty Science Bldg./College of Arts and Sciences)

- Harvey B. Herman** (1969), Professor and Head of Department/B.S., Polytechnic Institute of Brooklyn/Ph.D., Syracuse.
- R. Bruce Banks** (1982), Assistant Professor/B.A., Vanderbilt/M.S., Ph.D., Florida State.
- James C. Barborak** (1972), Professor/B.S., Ph.D., Texas.
- Joseph A. Dilts** (1970), Associate Professor/B.A., Ohio Wesleyan/Ph.D., Northwestern.
- Sherri R. Forrester** (1962), Associate Professor/B.S., Duke/Ph.D., Northwestern.
- John L. Graves** (1966), Assistant Professor/B.S., Oberlin College/Ph.D., Chicago.
- John R. Jezorek** (1970), Professor/B.S., Loyola/Ph.D., Delaware.
- Mary Katsikas** (1961), Laboratory Assistant/B.S., UNC-G.
- David B. Knight** (1967), Professor/B.S., Louisville/M.A., Ph.D., Duke.
- Eiizabeth McRimmon** (1969), Laboratory Assistant/B.A., UNC-G. Part-time.
- Robert L. Miller** (1968), Professor and Dean of College of Arts and Sciences/Ph.B., B.S., M.S., Chicago/Ph.D., Illinois Institute of Technology.
- Terence A. Nile** (1975), Professor/B.Sc., M.Sc., D. Phil., Sussex.
- Clarence H. Vanselow** (1964), Associate Professor/B.S., M.S., Ph.D., Syracuse.
- Jerry L. Walsh** (1983), Assistant Professor/B.S., M.S., Ph.D., Wisconsin.

The Chemistry Department offers programs leading to either the Bachelor of Arts or the Bachelor of Science degrees at the undergraduate level and the Master of Science degree at the graduate level. The Department of Chemistry is included on the list of schools which have been accredited by the American Chemical Society. Students who follow the program leading to the B.S. degree are certified to the Society upon graduation as having met their rigorous requirements for undergraduate professional training in chemistry.

Students who elect chemistry as a major include those planning to work directly in chemical industry on completion of the undergraduate degree; those planning to continue their studies at the advanced graduate level and then enter either



industrial or academic research and teaching; those preparing to teach at the secondary level; those preparing for professional training in medicine and dentistry; and those who will use their training in chemistry as a background to undertake work in related fields such as business, technical sales, and textiles. Many of our majors take considerable work in related programs, which include earning a minor, or in some cases a double major, in areas such as biology, economics, mathematics, physics or textiles.

One of the features of our undergraduate program which we particularly emphasize is the opportunity for students to engage in undergraduate research. The large majority of our majors do so, principally in their junior and senior years, and this provides excellent training for those who intend to continue their studies at the graduate level. We encourage undergraduate chemistry majors, particularly those planning to enter teaching as a career, to work as teaching assistants in our lower level laboratory courses. This provides valuable training as well as financial assistance.

Students seeking **teacher certification** should see Teacher Education Chapter.

## CHEMISTRY MAJOR (Bachelor of Arts)

Required: 122 semester hours.

**The Chemistry Major (B.A.),** while less specialized than the B.S. program, provides sound training in chemistry. It offers fine preparation for those planning to enter medicine or dentistry, secondary school teaching, or various vocations within chemical industry. In fact, by electing some additional courses in chemistry beyond the minimum required, the student may prepare for graduate work under this program as well as under the B.S. While this program allows a more flexible arrangement of schedules, the student should work closely with his chemistry adviser to be certain that the proper sequence of chemistry and related area courses is taken with regard to the prerequisite requirements.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in Western Civilization (6 semester hours) and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

### Major Requirements

24-36 semester hours in chemistry above the 100 level.

1. CHE 111, 111L, 114, 114L, 242, 331, 333, 351, 352, 354, 371, 501 or 502, 461 or 506.
2. Two courses from among CHE 442, 531, 556, and 581.

### Related Area Requirements

1. MAT 191, 292.
2. PHY 101, 102 or 291, 292.

### Electives

Electives sufficient to complete total semester hours required for degree. Additional advanced courses in mathematics are advised. Additional chemistry courses, up to 36 hours above the 100 level, may be taken.

## CHEMISTRY MAJOR (Bachelor of Science)

Required: 122 semester hours.

**The Chemistry Major (B.S.)** differs from the B.A. in requiring four additional advanced courses in chemistry and/or related sciences. It provides very thorough undergraduate training in chemistry and an excellent background for students planning to undertake graduate work or to enter chemical industry. Students who complete this program will be certified to the American Chemical Society upon graduation as having fulfilled Society requirements for undergraduate professional training. German is strongly recommended as the foreign language choice. The sequence in which the required courses are taken is important, and the student should work closely with his chemistry adviser in planning his schedule.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

Same as for Chemistry Major (Bachelor of Arts) as listed above.

### Major Requirements

34-42 semester hours in chemistry above the 100 level.

1. CHE 111, 111L, 114, 114L, 242, 331, 333, 351, 352, 354, 371, 442, 461, 462, 463, 464, 501 or 502, 531, 533, 581.

### Related Area Requirements

1. MAT 191, 292.
2. PHY 291, 292.
3. At least two courses selected from: CHE 320, 491, 492, 493, 494, 536, 556; BIO 535, 536, 538; CSC 236, 342; MAT 293, 311, 340, 390, 394; PHY 303, 322, 323, 324, 535, 536, 550.

### Electives

Electives sufficient to complete total semester hours required for degree. Additional advanced mathematics courses are advised. Additional chemistry courses, up to 42 hours above the 100 level, may be taken.

## Chemistry Minor

A student may earn a minor in chemistry by completing a minimum of 19 semester hours in chemistry of which not more than 8 semester hours may be applied from introductory level courses (CHE 103, 104, 111, 111L, 114, 114L and 306).



# Chemistry-CHE/courses

## Courses for Undergraduates

- 103 General Descriptive Chemistry I (3:3).** The first semester of an introductory course for students whose programs require only one year of college chemistry. Among the topics introduced are: states of matter, atomic and molecular structure and chemical equilibrium. Not open to students who have already taken 111. (NSM), (CPS).
- 104 General Descriptive Chemistry II (4:3:3).** Applications of the principles introduced in 103 to representative inorganic and organic systems. Topics include metals, inorganic compounds, organic compounds, including those important to modern life such as polymers and biological materials, and nuclear chemistry. Pr. 103 or permission of instructor. (NSM), (CPS).
- 111 General Chemistry I (3:3).** Fundamental principles of chemistry, including stoichiometry, atomic and nuclear structure and states of matter. All students **must** take 111L concurrently unless they have previous credit for an equivalent course. Pr. one year of high school chemistry. Students who lack high school chemistry should take the sequence 103, 111, 114. (NSM), (CPS).
- 111L General Chemistry I Laboratory (1:0:3).** Laboratory work to accompany 111. The latter course **must** be taken concurrently. (NSM), (CPS).
- 114 General Chemistry II (3:3).** Continuation of 111 with attention to ionic equilibria, elementary kinetics and thermodynamics, acid-base theory, coordination chemistry and electrochemistry. Designed primarily for science majors and is the prerequisite to upper level courses in chemistry. All students **must** take 114L concurrently unless they have previous credit for an equivalent course. Pr. 104 or 111. (NSM), (CPS).
- 114L General Chemistry II Laboratory (1:0:3).** Laboratory work to accompany 114. The latter course **must** be taken concurrently. Includes semi-micro qualitative analysis and ionic equilibria experiments. Pr. 104 or 111L or equivalent. (NSM), (CPS).
- 205 Introductory Organic Chemistry (4:3:3).** Survey of organic chemistry designed for students whose programs require only one semester in this area. Credit cannot be obtained for both 205 and 351. Pr. 104 or 114, 114L. Forrester. (NSM).
- 242 Inorganic Chemistry (2:2).** Introduction to descriptive inorganic chemistry, including oxidation-reduction, electrochemistry, acid-base and coordination chemistry. Pr. 114, 114L. Dilts, Nile, Walsh. (NSM).
- 252 Chemistry and the Human Environment (3:3).** Study of chemical problems central to current technological, biomedical and environmental issues. Topics include energy alternatives, food chemicals, environmental chemistry, molecular basis of drug action and consumer products. Pr. 104 or 114 or 306 or permission of instructor.
- 306 Introductory Chemistry (4:3:3).** A one semester survey of the fundamentals of chemistry with emphasis given to principles necessary for a basic understanding of atomic and molecular structure, chemical bonding, stoichiometry, chemical changes and organic chemistry, with attention in the latter to compounds of biological and environmental significance. Not open to students who have already taken either 103 or 111. (NSM), (CPS).
- 320 Chemistry in Industry (2:2).** A broad coverage of the roles played by chemistry, chemists and chemical engineers in industry, including discussions of management, research, development, production, sales and patents. Governmental agencies, economic considerations, professional societies and employment practices are also explored. Some of the material is presented by experts from local industry. Pr. 205 or 352 (the latter may be taken concurrently). Not offered every year.
- 331 Quantitative Analysis (2:3).** Introduction to the theory and practice of volumetric and gravimetric methods of analysis. All students **must** take 333 concurrently unless they have previous credit for an equivalent course. Pr. 114, 114L. Herman, Jezorek, Walsh. (NSM). (Formerly 231).
- 333 Quantitative Analysis Laboratory (2:0:6).** Laboratory work to accompany 331. Pr. 331 concurrently. Both 331 and 333 must be passed in order to obtain credit for either course. Herman, Jezorek, Walsh. (NSM). (Formerly 233).
- 351 Organic Chemistry I (4:4).** Chemistry of aliphatic and aromatic compounds with attention to reaction mechanisms and synthetic applications, and the application of spectroscopy to structure determination. Pr. 114, 114L. Banks, Barborak, Nile, Knight. (NSM).
- 352 Organic Chemistry II (3:3).** Continuation of 351 with attention to alcohols, ethers, aldehydes and ketones, carboxylic acids and derivatives, amines, lipids, carbohydrates and organic spectroscopy. All students **must** take 354 concurrently unless they have previous credit for an equivalent course. Pr. 351. Banks, Barborak, Knight. (NSM).
- 354 Organic Chemistry II Laboratory (1:0:4).** Laboratory work to accompany 352. Includes the basic techniques of organic laboratory practice plus preparations involving representative reactions. Pr. 352 concurrently. Barborak, Knight, Banks, Forrester.
- 371 Chemical Literature (1:1).** Instruction in use of the literature of chemistry. Pr. two years of chemistry; reading knowledge of German helpful. Forrester.
- 442 Advanced Inorganic Chemistry I (3:3).** Modern concepts of chemical bonding and its application to inorganic reactions and periodic relationships. Pr. 461 (may be taken concurrently). Dilts, Nile, Walsh. (Formerly 542).
- 461 Physical Chemistry I (4:4).** Chemical thermodynamics and equilibrium processes are covered. Included are phase equilibria, thermodynamics of solutions and equilibrium electrochemistry. Pr. 331, 333, PHY 292 and MAT 292. Vanselow.



- 462 Physical Chemistry II (3:3).** Subject material deals with the microscopic world including introductions to quantum mechanics, molecular spectroscopy, statistical thermodynamics and kinetics. Pr. 461. Vanselow.
- 463 Physical Chemistry I Laboratory (1:0:4).** Laboratory work related to 461 with emphasis on mathematical treatment of experimental data and communication of results in report form. Pr. 331, 333, 461 (preferably taken concurrently). Graves.
- 464 Physical Chemistry II Laboratory (1:0:4).** Laboratory work related to 462. Pr. 462 (preferably taken concurrently), 463. Graves.
- 491, 492 Independent Study (1 to 3), (1 to 3).** Directed program of independent study and research for the qualified student. Pr. at least 21 hours in chemistry and permission of the department head and instructor under whom the student wishes to work.
- 493-494 Honors Work (3)-(3).** Not offered every year.

### Courses for Advanced Undergraduates and Graduates

- 501, 502 Chemistry Seminar (1:1), (1:1).** Oral reports and discussion of topics from the current literature of chemistry by students, staff and guest lecturers.
- 506 Introductory Physical Chemistry (4:4).** Concepts basic to chemical kinetics, equilibrium, energetics, spectroscopy, solution phenomena, electrochemistry, and colloidal behavior with applications to biological systems. Credit for an undergraduate degree cannot be obtained for both 506 and 461. Pr. two semesters of chemistry beyond the general chemistry, MAT 191, one year of physics. Graves.
- 531 Instrumental Analysis (3:3).** Theory and practice of advanced analytical techniques with emphasis on instrumental methods of analysis. Pr. 331, 333, 352 (may be taken concurrently), PHY 292. Herman, Jezorek.
- 533 Instrumental Analysis Laboratory (1:0:4).** Laboratory work to accompany 531. Pr. 531 concurrently. Herman, Jezorek.
- 536 Computers in Chemistry (3:3).** An introduction to the analysis of chemical data and control of chemical instruments with digital computers. Designed primarily for chemistry majors but may be taken by other interested science majors. Pr. two semesters of chemistry beyond general chemistry; one semester of calculus; one year of physics; one semester of programming in a higher level language; or permission of instructor. Herman.
- 553 Advanced Organic Chemistry I (3:3).** Advanced topics in organic chemistry with special emphasis on reaction mechanisms and stereochemistry. Pr. 352. Barborak, Knight, Banks.
- 556 Biochemistry (3:3).** Biochemistry presented from a chemical perspective. Topics to be covered include the structure of biomacromolecules, enzyme mechanisms, metabolic pathways and biochemical genetics. Pr. 351, 352; 461 or 506. Banks.

- 570 Advanced Special Topics in Chemistry (1 to 3).** Studies at an advanced level dealing with specialized areas of chemistry in which there is special expertise among departmental faculty. Areas of offering to be identified as follows: 570a, Analytical; 570b, Biochemistry; 570c, Inorganic; 570d, Organic; 570e, Physical. Pr. 570a, 331; 570b, 352; 570c, 242; 570d, 352; 570e, 462.
- 581 Synthetic Techniques (2:0:8).** Theoretical discussion and laboratory practice in modern methods of synthesis in the areas of organic and inorganic chemistry. Emphasis will be given to regions of overlap such as organometallic chemistry. Areas covered will include high temperature and high pressure reactions, photochemistry, reaction kinetics, inert atmosphere reactions, microtechniques and the use of modern instrumentation to determine product structure. Pr. 242, 352, 354. Barborak, Dilts, Nile, Knight.

### Courses for Graduates

- 604 Advanced Polymer Chemistry (3:3).**
- 632 Advanced Analytical Chemistry (3:3).**
- 641 Advanced Inorganic Chemistry II (3:3).**
- 652 Advanced Organic Chemistry II (3:3).**
- 661 Advanced Physical Chemistry I (3:3).**
- 670 Advanced Special Topics in Chemistry (1 to 6).** 670a Analytical, 670b Biochemistry, 670c Inorganic, 670d Organic, 670e Physical.
- 680 Research Problems in Chemistry (1 to 6).** 680a Analytical, 680b Biochemistry, 680c Inorganic, 680d Organic, 680e Physical.
- 699 Thesis Research in Chemistry (6).**
- 800 Graduate Registration.**
- 801 Graduate Registration.**

**Child Development — See Home Economics.**

### Classical Civilization — Department of

(243 McIver Bldg./College of Arts and Sciences)

- William G. Lane** (1969), Professor and Chairman, Interdepartmental Committee on Classical Civilization/B.A., Furman/M.A., Ph.D., Harvard.
- Georgia A. Minyard** (1980), Visiting Assistant Professor/B.A., Wellesley College/M.A., Ph.D., Pennsylvania. Part-time, second semester 1984-85.
- John Douglas Minyard** (1977), Associate Professor/A.B., A.M., Brown/Ph.D., Pennsylvania.
- Mary Louise Bilger Pendergraft** (1984), Visiting Assistant Professor/A.B., Ph.D., U.N.C. at Chapel Hill. Part-time, first semester 1984-85.
- Susan C. Shelmerdine** (1981), Assistant Professor/B.A., Smith College/M.A., Ph.D., Michigan.
- Jeffrey Scott Soles** (1977), Associate Professor/B.A., Dartmouth/M.A., U.N.C. at Chapel Hill/Ph.D., Pennsylvania.



The study of Classics is the study of the origins of Western Civilization in the cultures of ancient Greece and Rome. Courses offered by the department will acquaint the student with the languages, literature, art, institutions, values and leading ideas of the Greeks and the Romans and explore their influence through later ages down to modern times. A major or minor in Classics thus can provide an excellent foundation for the graduate study of history, comparative literature, the history of art, comparative religion, English, linguistics and the history of philosophy as well as high school teaching or further study of the Greek and Roman civilizations themselves. It has also formed the background for many successful careers in medicine, law, journalism, government, religion and business.

Courses for beginners are offered in both Latin and Greek. Even at the elementary level, the study of values, ideas and the impact of language upon thought and culture is emphasized, along with work in vocabulary and grammar. Students are introduced to major works of literature as soon as possible. Beyond the elementary level there are a variety of courses dealing with Greek and Latin poetry, philosophy, drama and history. These courses may contribute toward certification in Latin, either as one's major or as an additional subject for high school teaching and may be used to fulfill the College language requirement.

The department also offers a wide variety of courses in English translation, embracing the study of mythology, archaeology, drama, epic and the history of literature. The courses (as designated) may be used to fulfill the College literature requirement or the University humanities requirement.

Students also have an opportunity in the summer to visit Rome and Athens, and other parts of the Classical world, and earn up to six semester hours of credit through Classical Civilization 401 or 450, or through the program sponsored by UNC-G and Guilford College.

## GREEK MAJOR (Bachelor of Arts)

### Greek Language Concentration

Required: 122 semester hours.

The Greek Language Concentration is designed to insure a well-rounded preparation in the Greek language and literature and to acquaint the student with those works which form the origin of European literature, history and philosophy.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in Western Civilization (6 semester hours) and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

### Major Requirements

24-36 semester hours in Greek above the 100 level.

Major courses are chosen by the student in consultation with his major adviser. Note: Two courses of Latin at the 200 level or above may count toward the Greek Language Concentration.

### Related Area Requirements

Suggested: ART 303, 304; CCI 201, 205, 335, 336, 397, 398; HIS 209, 210, 351, 354, 355; PHI 251. Concentrators may wish to look into the possibility of double majoring in World Literature (see under Interdepartmental Studies and consult the Chairman of the World Literature Committee.)

### Electives

Electives sufficient to complete total semester hours required for degree.

### Greek Civilization Concentration

Required: 122 semester hours.

The Greek Civilization Concentration will provide the student with a solid and wide-ranging background for understanding the origin and development of our Western ideas, values, languages, institutions, attitudes and art. It offers a broad liberal arts experience by giving students the opportunity to integrate the study of literature, history, archaeology, art, mythology, religion, philosophy and language into a coherent and rich program showing the relationship of these areas to one another. The concentration by itself provides an excellent foundation in the humanities, or it can be an exciting second major for students in the natural or social sciences who want to enrich their educational experience or in particular for students in history, anthropology, art, English, religion or philosophy who want to add a major which will extend their experience of their primary major by giving additional background. This concentration will provide an excellent preparation for law school, medical school, the history of art, comparative literature or high school teaching in world history.

### Liberal Education Requirements

(See pp. 62-63 for listing for courses meeting each area requirement.)

Same as for Greek Language Concentration listed above.

### Major Requirements

24-36 semester hours distributed as follows:

1. 12 hours in the Greek language above the 100 level.
2. 12 hours or more in Greek civilization courses in the Department of Classical Civilization above the 100 level, chosen by the student in consultation with his major adviser.

### Related Area Requirements

Concentrators are strongly urged to make a selection according to their interests from the following related courses: ATY 212, 213, 253, 258, 360, 385, 411, 478, 479; ART



301, 303, 304, 402; HIS 351, 353; PHI 251, 343; REL 204, 343, 352, 365.

#### Electives

Electives sufficient to complete total semester hours required for degree.

### LATIN MAJOR (Bachelor of Arts)

#### Latin Language Concentration

Required: 122 semester hours.

The Latin Language Concentration is designed to insure a well-rounded preparation in the Latin language and literature and to acquaint the student with those works which have had a major impact upon the development of European literature, history, philosophy and law.

#### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

Same as for Greek Language Concentration listed above.

#### Major Requirements

24-36 semester hours in Latin above the 100 level.

Major courses are chosen by the student in consultation with his major adviser. Note: Two courses in Greek at the 200 level or above may count toward the Latin Language Concentration. Latin 331 is required for **teacher certification in Latin**. Students seeking **teacher certification** should see Teacher Education Chapter.

#### Related Area Requirements

Suggested: ART 303, 304; CCI 201, 205, 335, 336, 397, 398; HIS 209, 210, 351, 354, 355; PHI 251. Concentrators may wish to look into the possibility of double majoring in World Literature (see under Interdepartmental Studies and consult the Chairman of the World Literature Committee.)

#### Electives

Electives sufficient to complete total semester hours required for degree.

#### Roman Civilization Concentration

Required: 122 semester hours.

The Roman Civilization Concentration will provide the student with a solid and wide-ranging background for understanding the development of our Western ideas, values, languages, institutions, attitudes and art. It offers the student a broad liberal arts experience and will by itself provide an excellent foundation in the humanities or be an exciting second major for students in the natural or social sciences and in particular for those in history, anthropology, art, English, philosophy or religion, as described for the Greek Civilization Concentration above.

#### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

Same as for Greek Language Concentration listed above.

#### Major Requirements

24-36 hours distributed as follows:

1. 12 hours in the Latin language above the 100 level.
2. 12 hours or more in Roman civilization courses in the Department of Classical Civilization above the 100 level, chosen by the student in consultation with his major adviser.

#### Related Area Requirements

Concentrators are strongly urged to make a selection according to their interests from the following related courses: ATY 212, 213, 253, 258, 360, 385, 411, 478, 479; ART 301, 303, 304; HIS 354, 355; PHI 251, 343; REL 204, 343, 352, 365.

#### Electives

Electives sufficient to complete total semester hours required for degree.

#### Minor

Required: 15-21 semester hours.

The Minor in Classical Civilization complements majors in a wide variety of fields, including history, English, foreign languages, philosophy, anthropology, religious studies and art. Requirements are flexible to permit students to develop and extend their major plan of study. Minors in Greek or Latin will take at least 12 hours in the language and 3 hours in a Classical Civilization course. Minors in Greek or Roman Civilization will take at least 15 hours in a pattern of courses to be worked out with the department adviser as best suited to each student's academic program.

## Classical Civilization-CCI/ courses

#### Courses in English Translation

(No knowledge of Greek or Latin required).

- 201 Classical Origins of the English Language (3:3).** Latin and Greek prefixes, stems and suffixes used in forming the English language. Aims at improving the student's ability to analyze critically his native tongue and increase his vocabulary. Minyard. (H).
- 205 Mythology (3:3).** Great myths of the world, with frequent references to the literature which they inspired. Greek, Roman and Norse mythologies stressed. Only primary sources read. Minyard, Shelmerdine. (H), (CLIT).

# Greek-GRK/courses

## Courses for Undergraduates

- 211 Introduction to Classical Archaeology (Greece) (3:3).** An archaeological consideration of the Mycenaean, Archaic, Classical and Hellenistic periods of Greek civilization. Soles. (H).
- 212 Introduction to Classical Archaeology (Rome) (3:3).** An archaeological consideration of the Italian Peninsula with emphasis on the Etruscan sites and Rome. Soles. (H).
- 221 Classical Drama in Translation (3:3).** Study of Greek tragedians of Athens in the fifth century and their subsequent influence on later literature; Greek Old, Middle and New Comedy. Roman Tragedies of Seneca and comedies of Plautus and Terence. Minyard, Shelmerdine. (H), (CLIT).
- 311 Archaeology of the Aegean (3:3).** Archaeology of the Aegean Islands, Crete, the coast of Asia Minor, including Troy, and the mainland of Greece in the Bronze Age. Soles. (H).
- 313 Topography and Monuments of Athens (3:3).** An archaeological study of the topography and monuments of Athens from the Mycenaean through the Roman periods. Soles.
- 314 The Cities of Greece and Rome: Models in Ancient City Planning (3:3).** An introduction to the great cities of the past, emphasizing the physical design of those cities, especially as it reflects changing political and social structures. Soles. (SBS).
- 315 The Art and Archaeology of Egypt (3:3).** An introduction to the archaeology of Egypt, emphasizing the relations between Egypt and the Aegean in the Bronze Age. Soles. (H).
- 335, 336 Greek and Latin Literature in Translation (3:3), (3:3).** Art of epic poetry and influence of Greek and Roman epic upon subsequent literature; Homer and Virgil, Greek tragedy and Greek and Latin historical literature. Greek literary and religious conceptions; the ideals making Greek culture preeminent in the history of thought; the influence of Greek literature upon subsequent thought. Minyard, Shelmerdine. (H), (CLIT).
- 397 Comparative Studies in World Epics (3:3).** Major world epics in translation including the following works in whole or in part: *Gilgamesh, Iliad, Odyssey, Aeneid, Chanson de Roland, Divine Comedy, Jerusalem Delivered, Beowulf, Joyce's Ulysses*. Shelmerdine. (H).
- 398 Comparative Studies in World Drama (3:3).** Greek, Latin and modern plays in translation: representative plays from Aeschylus through Euripides, Seneca, Terence, Racine, O'Neill, Cocteau and Anouilh, et al. Minyard. (H).
- 401 Archaeological Practicum (1 to 3).** Participation in the department's archaeological work in Greece and opportunity to learn the field methods of Classical archaeology firsthand. Soles.
- 450 Internship in Classical Studies (1 to 6).** Supervised field experience in museums or institutes devoted to the study of Ancient Greece or Rome and/or visitation of classical sites. May be repeated once, for a maximum of 12 hours credit, with the provision that no more than 6 hours may be taken in the same country. Pr. consent of department head. Minyard.
- 150 Applied Modern Greek (International House) (1:1).** Training in spoken demotic Greek. May be repeated for credit up to 4 semester hours. Will not satisfy foreign language requirement. Open to all students with instructor's permission. Grade: pass/not pass. Soles.
- 201-202 Elementary Greek (3:3)-(3:3).** Introduction to Greek of the Classical period. Emphasis on understanding ancient principles of grammar and thought. Second semester: reading from the Bible and Classical authors to illuminate the central features of Western civilization and enable students to read the New Testament in its original language. (H).
- 203, 204 Intermediate Greek (3:3), (3:3).** Designed to develop fluency in the reading of Greek and to introduce the student to a part of the great literature of the past. Selections from Plato, Herodotus, etc. Pr. 201-202 or two entrance units. Minyard, Shelmerdine. (H), (CFL).
- 325, 326 Homer (3:3), (3:3).** Selections from *Iliad* and *Odyssey*. Shelmerdine. (H).
- 350, 351 Greek Lyric and Pastoral Poetry (3:3), (3:3).** Survey of Greek lyric poetry with emphasis on Sappho and Alcaeus; the pastoral poetry of Theocritus, Bion and Moschus. Pr. 203, 204 completed or taken concurrently. (H).
- 352, 353 Greek Historical Writers (3:3), (3:3).** Selections from the works of the Greek historians; emphasis on Herodotus and Thucydides. Pr. 203, 204 previously or taken concurrently. (H).
- 395, 396 Special Problems in Greek Literature (3:3), (3:3).** Opportunity for students to work individually or in small groups on problems of special interest in Greek literature or language. Work may represent either survey of a given field or intensive investigation of particular problem. Student should consult instructor before registering for this course. Shelmerdine. Pr. 203, 204.
- 401, 402 Plato, Selected Work (Apology, Crito, etc.) (3:3), (3:3).** Shelmerdine.
- 403, 404 Greek Drama (3:3), (3:3).** Selected works of Sophocles, Aeschylus, Euripides and Aristophanes. Shelmerdine.
- 450 Coordinating Course for Majors (3:3).** Extensive reading in literature of the Classics selected in accordance with student needs. Periodic conferences, written reports and quizzes throughout the semester.
- 493-494 Honors Work (3:3)-(3:3).**

## Course for Advanced Undergraduates and Graduates

- 501 Independent Study (1 to 3).** Directed program of reading, research, and individual instruction in Greek languages and literature. May be taken for up to 6 hours credit. Pr. permission of instructor.

# Latin-LAT/courses

## Courses for Undergraduates

- 101-102 Elementary Latin (3:3)-(3:3).** Essentials of grammar and reading of selections. Designed to give fundamental knowledge of the Latin language, to present an introduction to further study of Roman literature and civilization and to provide for a greater understanding of English.
- 203, 204 Intermediate Latin (3:3), (3:3).** Review of fundamentals. Selected reading from Virgil's *Aeneid*, I-VI, with lectures on pertinent topics and emphasis upon literary appreciation. Pr. 101-102 or two or three entrance units. (H), (CFL). (Formerly 201, 202).
- 301 Roman Historical Writings (3:3).** Selections from works of Livy and Tacitus. (H).
- 302 Roman Philosophical Writings (3:3).** Selections from essays of Cicero, *De Rerum Natura* of Lucretius and essays of Seneca. (H).
- 303 Latin of the Augustan Age (3:3).** Survey of Latin literature from 40 B.C. to 14 A.D.; selections from Virgil, Horace, the elegiac poets and Ovid. (H).
- 326 Roman Satire (3:3).** Study of the satires of Persius, Horace and Juvenal; emphasis on Juvenal; influence on the eighteenth century. (H).
- 331 Prose Composition (3:3).** Intensive review of Latin forms and syntax; extensive composition and translation into Latin from English. Minyard.
- 333 Advanced Virgil (3:3).** Virgil's *Aeneid* VII-XII; reading from the *Eclogues* and *Georgics*. (H).
- 342 History and Politics in the Time of Julius Caesar (3:3).** Works of Julius Caesar, Sallust's *Catulline* and extensive selections from Cicero's letters and orations. (H).
- 395, 396 Special Problems in Latin Literature (3:3), (3:3).** Opportunity for students to work individually or in small groups on problems of special interest in Latin literature or language. Work may represent either survey of a given field or intensive investigation of particular problem. Student should consult instructor before registering for this course. Pr. 203, 204. Minyard.
- 401 Medieval and Renaissance Latin (3:3).** Selections from medieval prose and poetry; the *Moriae Encomium* of Erasmus.
- 402 Roman Drama (3:3).** Selections from the tragedies of Seneca and their influence on Renaissance drama. Minyard.
- 450 Coordinating Course for Majors (3:3).** Extensive readings in literature of the Classics selected in accordance with student needs. Periodic conferences, written reports and quizzes throughout the semester.
- 493-494 Honors Work (3:3)-(3:3).**

## Course for Advanced Undergraduates and Graduates

- 501 Independent Study (1 to 3).** Directed program of reading, research, and individual instruction in Latin languages and literature. May be taken for up to 6 hours credit. Pr. permission of instructor.

## Clothing-Fashion Merchandising —

See Home Economics.

## Clothing & Textiles — See Home Economics.

## Communication and Theatre — Department of

(200 Taylor Bldg./College of Arts and Sciences)

- John Lee Jellicorse** (1974), Professor and Head of Department/A.B., Tennessee/Ph.D., Northwestern.
- Ben Andrews** (1983), Assistant Professor/B.A., Louisville/M.A., California State/Ph.D., Missouri.
- John Sterling Arnold** (1984), Assistant Professor/B.F.A., Virginia Commonwealth/M.F.A., Wayne State.
- C. Scott Baker** (1984), Lecturer/B.A., M.A., UNC-G. Part-time.
- David R. Batcheller** (1967), Professor/B.A., College of Wooster/M.A., Illinois/Ph.D., Ohio State.
- Thomas F. Behm** (1968), Associate Professor/B.S., Northwestern/M.A., Kansas.
- Deborah Bell** (1980), Assistant Professor/B.A., Morehead State/M.F.A., Minnesota.
- Edward Neil Bowen**, Lecturer/B.A., M.A., UNC-G.
- Catherine S. Brown** (1981), Adjunct Professor/B.A., South Dakota/M.S., Ph.D., Oklahoma.
- Ralph E. Causby** (1966), Instructor/B.A., Lenoir-Rhyne College/M.S., Tennessee.
- Pamela A. Chappell** (1982), Adjunct Professor/B.A., Mercer/M.Ed., Florida.
- Charles Mark Chilcoat** (1983), Lecturer/B.S., Tennessee/M.Ed., U.N.C. at Chapel Hill.
- Teryl L. Delagrange** (1982), Adjunct Professor/B.S., M.A., Akron.
- Richard F. Dixon** (1970), Professor/B.A., Harpur College/M.A., Ph.D., Syracuse.
- Floyd E. Earle** (1970), Assistant Professor/B.S., M.A., Kent State/Ph.D., Ohio State.
- J. Renee Edwards** (1982), Assistant Professor/B.S., Clarion State/M.A., Auburn/Ph.D., Florida State.
- L. Dean Fadely** (1969), Associate Professor/B.A., Florida State/M.F.A., Georgia/Ph.D., Pittsburgh.
- William Daniel File** (1982), Assistant Professor/B.S., Eastern Illinois/M.F.A., Minnesota.
- Sandra H. Forman** (1977), Assistant Professor/B.A., M.F.A., UNC-G.
- Richmond Frielund** (1984), Lecturer/B.A., Minnesota/M.A., Wisconsin at Superior/M.F.A., Michigan.
- Ethel C. Glenn** (1972), Associate Professor/B.F.A., Texas at Austin/M.S., North Texas State/Ph.D., Texas at Austin.



- Karma Ibsen-Riley** (1984), Assistant Professor/B.A., M.A., Nebraska/M.F.A., Illinois.
- Allen H. Johnson III** (1982), Lecturer/B.A., M.A., U.N.C. at Chapel Hill. Part-time.
- Betty Jean Jones** (1982), Assistant Professor/B.A., Bennett College/M.F.A., UNC-G/Ph.D., Wisconsin.
- Cynthia M. King** (1981), Assistant Professor/B.A., Delaware/M.Ed., Western Maryland/Ph.D., Illinois.
- Susan D. King** (1984), Lecturer/B.S., M.Ed., UNC-G.
- Carol Kline** (1985), Lecturer/B.A., Southern California/M.A., Columbia. Part-time, second semester 1984-85.
- Carolyn V. McCready** (1983), Lecturer/B.A., Alabama/M.A., Western Reserve.
- Woodrow McDougald** (1981), Lecturer.
- Lowry Marshall** (1983), Assistant Professor/B.A., M.A., South Carolina/M.F.A., Florida State/Asolo Conservatory.
- Stanley J. Martinkosky** (1982), Adjunct Professor/B.S., Ohio State/M.A., Western Michigan/Ph.D., Ohio State.
- Richard E. Mennen** (1977), Associate Professor/A.B., M.A., Catholic/Ph.D., Indiana.
- Herman D. Middleton** (1956), Excellence Fund Professor/B.A., Columbia/M.A., Teachers College, Columbia/Ph.D., Florida.
- Marlana Newton** (1969), Associate Professor/A.A., Cottey College/B.A., M.A., Redlands/Ph.D., Northwestern.
- Andreas C. Nomikos** (1971), Professor/B.A., Ph.D., Athens.
- Robert G. Paul** (1974), Adjunct Professor/B.A., M.S., Vanderbilt/Ph.D., Oklahoma.
- Elliott A. Pood** (1977), Associate Professor/A.B., West Georgia College/M.A., Florida Technological/Ph.D., Florida State.
- Rex J. Prater** (1976), Associate Professor/B.S., M.A., Ph.D., Ohio State.
- Michael Quigley** (1984), Lecturer/B.A., Tampa/M.F.A., Yale. Part-time.
- Roy Jay Schwartzman** (1985), Lecturer/B.A., M.A., Georgia. Second semester 1984-85.
- Edgar H. Shroyer** (1978), Associate Professor/B.S., Ohio State/M.S., Gallaudet College/Ph.D., Pittsburgh.
- Jacqueline C. Strong** (1977), Associate Professor/B.F.A., Ohio/M.A., Our Lady of the Lake College/Ph.D., Pennsylvania State.
- Thomas L. Tedford** (1967), Professor/B.A., Ouachita/M.A., Ph.D., Louisiana State.
- William G. Thomas** (1981), Adjunct Professor/B.S., Appalachian State/M.A., Washington/Ph.D., Florida.
- Rheudolph J. Wells** (1976), Adjunct Professor/B.S., Lynchburg College/M.D., Medical College of Virginia.
- David E. Yoder** (1985), Visiting Distinguished Professor/B.A., Goshen/M.A., Northwestern/Ph.D., Kansas. Second semester 1984-85.

Human communication is primarily speech communication. The visual, oral, and aural dimensions of the speech process provide the principal means by which human beings share ideas and feelings. Speech is inquiry, reporting, and persuasion; it is a means of appreciation, entertainment, and artistic expression. The Department of Communication and Theatre offers a full range of courses and degree concentrations in contemporary speech arts and sciences. It is committed to teaching theory through practice. Each of its four divisions operates practicum programs in which academic work is wedded with a variety of University public services and performing arts activities which assist, educate, or entertain over 125,000 persons each year.

The Communication Disorders Division provides opportunity for study of language and the analysis and improvement of speech and hearing disabilities. It conducts research through its Speech Science Laboratory; aids students, faculty, and the public through the University Speech and Hearing Center and the Augmentative Communication Systems Laboratory; and assists clinics of area public schools, hospitals, and other human service agencies.

The Communication Studies Division provides opportunity for study of the theory and practice of interpersonal and public communication, including personal and group communication, debate and public address, communication theory, organizational communication, public relations, and oral interpretation. It conducts research through the Institute for Communication Research and Consulting, offers specialized training through the Speech Tape Laboratory, supervises the University Speech Screening program, and assists community and state institutions in planning programs involving interpersonal, organizational, and public communication.

The Broadcasting/Cinema Division provides opportunity for study of the conditions, theories, and practices of radio, television, and film production and performance. Studio and practicum projects are part of the curriculum as well as local media internships for which students can apply. The Media Production Club provides interested advanced students the opportunity to gain experience as crew members, writers, and directors.

The Theatre Division provides opportunity for exploring the many facets of play production theory and practice and the development of skills in acting, directing, design, technical theatre and child drama. Students — majors and nonmajors, working under professional guidance — supply the energy and talent of the Division's extensive production programs: The UNC-G Theatre, Studio Theatre, Master Production Series, Theatre for Young People, UNC-G Summer Repertory Theatre, and the Parkway Playhouse in Burnsville, N.C. In addition, the Division furnishes supervision for the North Carolina Theatre for Young People.

The divisions of the Department of Communication and Theatre provide numerous interdivisional services which strengthen the Department's degree programs. For example, members of the Communication Disorders faculty are available for clinical evaluation and treatment of actors' and broadcasters' individual speech and language problems. Voice and articulation performance courses, offered to all students by the Communication Studies Division, are scheduled with special sections for theatre students. Theatre and Broadcasting/Cinema faculty and students work together in both classes (e.g., COM 599 Acting for the Camera) and in performance projects. An interdivisional Communication Education Program provides supervision for the teacher certification curricula in Theatre Arts and in Speech Communication.

Liberal education courses and degrees in the Department of Communication and Theatre fill the needs of students who desire to think critically and creatively and to communicate clearly and convincingly. Professional courses and degrees fill the needs of students preparing for careers as speech-language pathologists and audiologists; as broadcasters or filmmakers; as theatre directors, designers or actors; or as teachers in the areas of education of the deaf, communication



studies, or theatre arts. Special courses and sequences fill the needs of students interested in communication preparatory to careers in law, public relations, applied communications, and the ministry. Graduate programs (for details see the **Graduate School Catalog**) provide opportunities for advanced study, research and performance in the fields of communication disorders, communication studies, broadcasting/cinema, and theatre.

## DRAMA MAJOR (Bachelor of Arts)

Required: 122 semester hours.

The **Drama Major** is the traditional theatre program, a part of the liberal education concept of the development of the whole person through study in the broad spectrum of academic disciplines and a major emphasis in one. The content of the major area is broadly based and includes acting, directing, television production, playwriting, literature and history, costume, scenery, and lighting design and practice.

Each undergraduate theatre student is required to develop an understanding of, and respect for, the various areas of technical theatre. B.A. theatre students are required to work on two crews each semester during the freshman year and one crew each semester during the sophomore, junior, and senior years.

A teacher education program for certification in theatre arts is also available.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in Western Civilization (6 semester hours) and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

### Major Requirements

24-36 semester hours in the major above the 100 level.

1. COM 106 or 206, 121, 122 and ten semester hours of 150 over four years. To meet the 150 requirement, transfer students may substitute six semester hours from courses marked \* in 5 below.
2. Minimum of four theatre history/literature/theory courses chosen from COM 171, 301, 533, 534, 581, 582.
3. Minimum of three theatre performance and production courses chosen from COM 250, 251, 252, 291, 320, 541.
4. Minimum of three theatre design and technology courses chosen from COM 153, 253, 360, 365, 375, 376, or 528.
5. Six to twelve additional semester hours in the major are optional up to a total of 36 semester hours above the 100 level. These additional courses may be chosen from those listed above and/or the following COM courses: \*213, \*254, 255, \*256, 525, 542, 548, 595, 596, 597, 598.

6. Six additional semester hours in communication courses other than theatre may be elected. Recommended are COM 172, 529, 530, or 532.
7. Students in the Drama Major are expected to participate fully in the Theatre Division's production program (for which COM 150 is required under category 1 above).

### Teacher Certification Requirements for Theatre Arts Certificate

(See Teacher Education chapter for full explanation.)

1. COM 105, 121, 122, 153, 172, 206, 251, 252, 320, 454, 528, 529, 533, 534, 541, 542, 596.
2. HEA 201.
- \*3. Three semester hours in mathematics.
- \*4. Six semester hours in social studies courses. Select one course from two of the following: anthropology, sociology, economics, geography, political science, history.
- \*5. PSY 221.
6. EDU 381, 450, 465, 470.
7. Competency test in communication disorders.
8. At least four pre-student teaching experiences and evidence of teaching readiness are required. These are based upon evaluations done by the Department.
9. Two semester hours in physical education.

Students may seek certification in Speech Communication simultaneously by the addition of nine semester hours as follows: COM 231, 341 or 531; one from 340, 502, 530.

(\*These requirements may be selected to satisfy Arts and Sciences and all-University liberal education degree requirements.)

### Electives

Electives sufficient to complete the total semester hours required for degree.

## SPEECH COMMUNICATION MAJOR (Bachelor of Arts)

Required: 122 semester hours.

**Speech Communication** is offered in five concentrations:

**Broadcasting/Cinema** is a concentration with emphasis on the conditions, principles, and practices of broadcasting, telecommunications, and film. Within the context of a liberal education, it provides a broadly based preparation for the person planning a career in, or associated with, the mass media.

**Broadcasting Performance** is designed within the context of a liberal education for developing awareness and understanding of electronic communications for the person desiring a career in an on-camera position in telecommunications.

**Communication Studies** provides focus on the theory and practice of interpersonal and public communication. The concentration is appropriate for those interested in a liberal education with emphasis on awareness and understanding of

human communication. Special options are available in (1) speech, (2) rhetoric and public address, (3) organizational communication, and (4) public relations.

**General Speech** is the traditional, broadly based concentration which provides a program for those interested in a variety of courses in oral communication theory and practice from more than one division within the Department.

**Speech Communication Teacher Certification** leads to North Carolina teacher certification in speech communication at the secondary level.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

Same as for Drama Major listed above.

Note: Where appropriate, teacher certification course requirements (listed below) may be selected to fulfill liberal education requirements.

### Major Requirements

24-36 semester hours in the major above the 100 level.

#### Broadcasting/Cinema

1. COM 102, 106, 112, 172.
  - a. Broadcasting/Cinema Concentration
    - (1) COM 171, 291, 393, 517 or 518, 532, 510 or 516 or 540.
    - (2) Other courses from among COM 210, 302, 311, 312, 333, 340, 370, 380, 381, 392, 399, 410, 411, 509, 510, 512, 517, 518, 519, 540, 585, 591.
    - (3) Six semester hours from among courses in Communication Disorders, Communication Studies, or Theatre are allowed in addition to the maximum of 36 semester hours in Broadcasting/Cinema.
  - b. Broadcasting Performance Concentration
    - (1) COM 105, 291, 311, 320, 392, 532, 540 or 380.
    - (2) Other courses from among COM 210, 250, 302, 312, 333, 340, 399, 410, 509, 585, 599.
    - (3) Six hours from among courses in Communication Disorders, Communication Studies, or Theatre are allowed in addition to the maximum of 36 semester hours in Broadcasting Performance.
2. COM 102 must be taken the first semester in residence or immediately upon declaring the major.
3. For continuation in either concentration, students must earn a grade point average of 2.5 or higher in the following: COM 106, 171 or 172, 291, 392 or 393 (the choices depending upon the concentration selected).

#### Communication Studies

1. COM 101, 105, 106, 112, 205, 206, and 530.
  - a. **Speech:** Other courses from among COM 207, 231, 320, 340, 341, 343, 344, 502, 505, 514, 520, 529, 531, 532, 537, 538, or approved substitute.
  - b. **Rhetoric and Public Address:** Other courses must include COM 231, 341, 505 or 531, 532, 538, with additional hours from among 320, 340, 343, 502, 514, 520, 529, 505 or 531. Required cognate course: ENG

219, 319 or 223. ENG 224 strongly recommended.

- c. **Organizational Communication:** Other courses must include COM 340, 341, 514, and 3 to 15 semester hours from among 207, 231, 342, 343, 344, 502, 529 and 537 or 538, 532.

Required cognate courses: MGT 310, 312, 517.\*

Recommended electives: ECO 201, PSY 505, MGT/PSY 535.\*

- d. **Speech/Public Relations:** Other courses must include COM 172, 341 or 505 or 531, 342, and 6 to 15 semester hours from among 207, 210, 291, 333, 340, 343, 344, 380, 392, 399, 412, 502, 514, 532.

Required cognate courses: ENG 219, 319, and one from 223, 224, 227, or 320.

Recommended Electives: ART 446, SOC 331, ECO 201, 202, 336, 350, MGT 320, PSY/MGT 524.

2. Six semester hours from among courses in the other areas of knowledge within Communication and Theatre are allowed in addition to the maximum of 36 semester hours above the 100 level in Communication Studies.

\*As PSY 221 is a prerequisite for many of these courses, it is recommended to satisfy a liberal education requirement.

#### Communication Studies Minor

A minor may be earned in Communication Studies by completing 18 semester hours, including COM 105 or both 112 and 341; COM 106 or 101; and at least one course at the 200 or 300 level, and at least one course at the 400 and 500 level.

#### General Speech

1. Approval by the Department of a curriculum designed to achieve a balance between or among two or more divisions within the Department of Communication and Theatre: Communication Disorders, Communication Studies, Broadcasting/Cinema, and Theatre.
2. Six semester hours from among courses within the Department of Communication and Theatre are allowed in addition to the maximum of 36 semester hours above the 100 level in the approved General Speech curriculum.

#### Speech Communication Teacher Certification

1. COM 105, 121, 122, 153, 172, 206, 231, 251, 320, 340, 341, 454, 529, 530, 541, 596.
2. HEA 201.
- \*3. Three semester hours in mathematics.
- \*4. Six semester hours in social studies courses. Select one course from two of the following: anthropology, sociology, economics, geography, political science, history.
- \*5. PSY 221.
6. EDU 381, 450, 465, 470.
7. Competency test in communication disorders.
8. At least four pre-student teaching experiences and evidence of teaching readiness are required. These are based upon evaluation done by the Department.
9. Students may seek certification in Theatre Arts simultaneously by the addition of three courses: COM 252, 528, and 542.



\*These requirements may be selected to satisfy Arts and Sciences and all-University liberal education degree requirements.

#### Electives

Electives sufficient to complete the total semester hours required for degree.

### SPEECH PATHOLOGY & AUDIOLOGY MAJOR (Bachelor of Science)

Required: 122 semester hours.

The **Speech Pathology and Audiology Major** provides a preprofessional program for those preparing for graduate study. The major as outlined is designed to satisfy some requirements for North Carolina certification in Exceptional Children and Youth in speech-language and hearing, and the N.C. license in speech and language pathology and audiology, although no certificate or licensing is awarded until completion of the Master's degree. No more than 15 hours in clinical practice courses may be used to satisfy degree requirements. Instruction is designed to meet American Speech-Language-Hearing Association standards. Transfer students may require more than four years to complete the undergraduate degree program.

#### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

1. Language, Reasoning and Discourse, 6 s.h.
2. Mathematics, 3 s.h.
3. Western Civilization Core Course, 6 s.h.
4. Humanities, one course from each of two sub-areas, 6 s.h.
5. Natural Sciences, one course from each of the two sub-areas, 6-8 s.h.
6. Social and Behavioral Sciences, 9 s.h.

Note: Where applicable, course requirements (listed below) may be selected to fulfill liberal education requirements.

#### Major Requirements

24-42 semester hours in the major above the 100 level.

1. COM 133, 134, 240, 241, 336, 337, 338, 339, 465, 551, 556, 570, 571.

Note: Six semester hours of Communication Studies, Broadcasting/Cinema, or Theatre courses are allowed in addition to the maximum of 42 semester hours in Communication Disorders.

#### Related Area Requirements

1. PSY 221 or a substitute approved by the Director of the Division of Communication Disorders.
2. CDF 302 or PSY 326.
3. PSY 502 or approved substitute and one course chosen from among PSY 341, 345, 503, 504, 505.

#### Additional Requirements

1. HEA 201.
2. Three semester hours in mathematics.
3. Three semester hours in two of the following: anthropology, sociology, economics, geography, political science or history.
4. PSY 221.
5. COM 465, EDU 381 and 430, 450 or 574.
6. Competence in teaching reading.
7. Completion of pre-student teaching field experience.
8. Two semester hours in physical education.
9. Students must have a 2.2 overall quality point ratio to be admitted to teacher education and a 2.3 quality point ratio in all courses with a COM prefix in order to be admitted to student teaching. Any grade below C in a required core course makes a student ineligible to continue in the major.

Note: The above requirements should be completed as part of the undergraduate program; certification also requires a graduate degree.

#### Electives

Electives sufficient to complete total semester hours required for degree.

### EDUCATION OF THE DEAF MAJOR (Bachelor of Science)

Required: 122 semester hours.

The **Education of the Deaf Major** provides training at the undergraduate level for a limited number of teachers of the deaf and hearing-impaired. In addition to courses in the major area, students elect a concentration such as preschool education, elementary education, or others which might be arranged with cooperating departments of the University. Practice teaching for most students takes place at the Central North Carolina School for the Deaf, situated approximately 10 miles from the campus. The program is certified by the Council on Education of the Deaf. Transfer students may require more than four years to complete the undergraduate degree program.

#### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

Same as for Speech Pathology and Audiology Major listed above.

Note: Where appropriate, teacher certification requirements (listed below) may be selected to fulfill liberal education requirements.

#### Major Requirements

24-42 semester hours in the major above the 100 level.

1. COM 133, 135, 240, 241, 461, 481, 483, 556, 570, 577, 578, and, when applicable, 485.



### Related Area Requirements

1. PSY 221.
2. CDF 302 or PSY 326.
3. SOC 211 or approved substitute.
4. EDU 381.
5. PSY 502 or approved substitute.

### Concentration

1. 20-24 semester hours in elementary education, preschool education, secondary education or in another sequence approved by the Department of Communication and Theatre and the department of the student's concentration.

### Teacher Certification Requirements

1. HEA 201.
2. Three semester hours in mathematics.
3. PSY 221.
4. COM 461, EDU 381 and 430 or 450 or 574.
5. Competence in teaching reading.
6. Completion of pre-student teaching field experience.
7. Students must have a 2.2 overall quality point ratio to be admitted to teacher education and a 2.3 quality point ratio in all courses with a COM prefix in order to be admitted to student teaching. Any grade below C in a required core course makes a student ineligible to continue in the major.

### Electives

Electives sufficient to complete total semester hours required for degree.

## DRAMA MAJOR (Bachelor of Fine Arts)

Required: 124 semester hours.

**The B.F.A. Drama Major** emphasizes that theatre is a discipline involving three basic factors: natural endowment, study, and practice. Only students who show evidence of natural endowment and who work to perfect it through classroom study combined with practical application will be continued in the major. **Transfer students from programs other than the B.F.A. should note that this program is concerned with the maturation of the young artist: thus enrollment for six semesters is required even when study is begun in the junior year.** The total development of each student is continually under evaluation and is formally examined by the theatre faculty in the spring of each year. Continuance in the program depends upon the student's attitude, discipline, and achievement.

Students select from or are placed in one of three concentrations: B.F.A. in Acting, B.F.A. in Theatre Arts, or B.F.A. in Design and Technical Direction.

As part of developing the appropriate professional understanding, each B.F.A. student in Theatre Arts is required to work on two crews each semester during the freshman and sophomore year and one crew each semester during the junior and senior years. B.F.A. Acting concentration students must work on two crews each semester in the freshman year and one crew each semester in the sophomore, junior, and

senior years. B.F.A. transfer students are required to work on two crews each semester for the first year in the program and one crew each semester for the second and third years.

The B.F.A. student may not engage in theatre practice outside the Department without prior departmental approval. A summer theatre internship in an approved, supervised program is required in all BFA concentrations and, as noted below, must be registered for in COM 256 or approved equivalent. Transfer students should make arrangements to schedule the internship as soon as possible.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

1. Language, Reasoning and Discourse, ENG 101, 3 s.h.
2. Western Civilization Core Course, 6 s.h.
3. Humanities, one course (not in the major) from each of the three sub-areas, 9 s.h.
4. Natural Sciences, 6-8 s.h.
5. Social and Behavioral Sciences, 6 s.h.
6. Additional hours from categories listed above (not in major), 6-8 s.h.

### Acting Concentration

#### Major Requirements

1. COM 106 or 206, 112, 121, 122, 153, 190 repeated for 1 credit hour each semester for six semesters, 251, 252, 301, 351, 352, 525, 533 or 534, 541, 581, 582, 592, and 599.
2. Two courses from COM 253, 365, 366, 375, 376.
3. COM 256 or approved equivalent.
4. Constant and vigorous participation in the Theatre Division's production program; COM 150, repeated for 6 semester hours, and COM 450, repeated for 4 semester hours.

### Related Area Requirements

1. MUS 125, 126.
2. Two courses from DCE 105, 205, or 305, begun at the appropriate level; two courses from DCE 103, 203 or 303, begun at the appropriate level; DCE 349.

### Theatre Arts Concentration

(For students intending to pursue an M.F.A. in Directing or in Stage Management.)

#### Major Requirements

1. COM 106 or 206, 121, 122, 153, 251, 252, 291, 301, 533, 534, 541, 542, 581, 582.
2. Three courses from COM 365, 123 or 366, 375, 376, 522, 583, or 584.
3. COM 256 or approved equivalent.
4. Constant and vigorous participation in the Theatre Division's production program, COM 150, repeated for 4 semester hours; COM 450, repeated for 8 semester hours.



### Design and Technical Direction Concentration

#### Major Requirements

1. COM 106 or 206, 121, 122, 123, 153, 250 or 541, 253 or 366 or 360, 365, 375, 376, 377, 522, 533, 534, 583, 584.
2. Two courses from COM 523, 543, 544, 545.
3. COM 256 or approved equivalent.
4. Constant and vigorous participation in the Theatre Division's production program; COM 150, repeated for 4 semester hours; COM 450, repeated for 8 semester hours.

#### Related Area Requirements

1. ART 120, 199, 140, 221, 222.
2. Recommended electives: ART 150, 199, 222, 252, 253, 275, 346.

#### Electives

Electives sufficient to complete total semester hours required for degree.

## Communication and Theatre-COM/courses

### Courses for Undergraduates

- 101 Evidence and Argument in Public Communication (3:3).** How communicators in contemporary society use evidence and argument. Ways in which consumers of controversial communication can improve their analysis and use of reason in everyday thinking and speaking.
- 102 Orientation to Broadcasting and Cinema (1:1).** Introduction to the fields of radio, television, and cinema for prospective students in the Broadcasting/Cinema and Broadcasting Performance Concentrations. Must be taken the first semester in residence or immediately upon declaring the major.
- 105 Speech Composition and Delivery (3:3).** Essentials of speech making, with emphasis on the development of personal skill in effective organization and delivery of oral messages. (CLRD).
- 106 Communication in Society (3:3).** Introduction to contemporary theory and practice of human communication, including communication models; interpersonal, public, and mass communication; intercultural and interracial communication; the effects of advertising, propaganda, and political campaigning. Pood, Edwards. (SBS), (CSBS).
- 112 Speech Performance (3:3:1).** Theory and practice of voice and diction, including pronunciation, pitch, rate, volume, and quality. Special section for theatre majors. Other sections are open enrollment. Weekly audio laboratory required. Forman.
- 121 Drama Appreciation (3:3).** Theatre as an art form: how the actor, director, and designer function. Outstanding plays of major periods demonstrate the technical and aesthetic aspects of theatrical production. Illustrated lectures, demonstrations, and classroom experiments. (H), (CFA).
- 122 Stage Crafts (3:2:3).** Designed to familiarize the student with all the theatre crafts including scenery construction and painting, property construction and acquisition, stage lighting, and sound. Practical experience is given in the laboratory.
- 123 Stage Costuming Techniques (2:2:3).** Basic principles of costume sewing, construction, selection, care, and management. Practical experience in supervised laboratory.
- 132 Introduction to Communication Disorders (3:3).** An introduction to disorders of human communication. Not required for majors in Communication Disorders. Newton. (SBS).
- 133 Introduction to Phonetics (3:3).** Recording of speech using the International Phonetic Alphabet in broad transcription. General American dialects and variations.
- 134 Speech and Hearing Science (3:3).** Acoustic principles of speech and hearing; analysis of the acoustic characteristics of speech and physiological correlates; speech perception.
- 135 Sign Language for the Deaf I (3:3).** American Sign Language and fingerspelling with emphasis on the development of basic receptive and expressive skills.
- 140 R-TV-F Radio Laboratory (1 to 2).** Supervised participation in radio broadcasting or program production. May be repeated for credit for a maximum of 3 hours. Pr. approval by Broadcasting/Cinema Division.
- 141 R-TV-F Film Laboratory (1 to 2).** Supervised participation in filmmaking and/or presentation. May be repeated for credit for a maximum of 3 hours. Pr. approval by Broadcasting/Cinema Division.
- 150 Theatre Practice (1:0:4).** Departmental workshop. Open to any student who is interested in participating in any phase of the theatre production programs. May be repeated for credit.
- 151 Forensics Laboratory (1:0:3).** Open to any student who is interested in participating in debate and/or related experiences such as extemporaneous speaking, oral interpretation, voice and speech improvement or oratory. May be repeated for credit.
- 153 Stage Make-up (2:0:4).** Study and practice in make-up application techniques and creating character make-up designs for corrective, age, imaginative, and period stage make-up.
- 160 R-TV-F Media Workshop I (1:1).** Examination of specific aspects of broadcasting and film as provided by instruction of industry professionals. Limited to freshmen and sophomores. May be repeated for credit.
- 171 The Development of the Cinema (3:3:3).** Development of motion picture industry. Examination of filming equipment and film techniques. Specific kinds of films and their influence on contemporary society. (H), (CFA).
- 172 The Development of Broadcasting (3:3).** Emergence, structure, and scope of radio, television, and cable. Examination of broadcasting theories and practices,



- with emphasis on audience influences on broadcasting and the effect of broadcasting on individuals and society. (SBS), (CSBS).
- 190 Dynamics In Acting (1:0:6).** Daily practical exercise in physical disciplines to develop concentration, imagination, and the voice. Pr. sophomore BFA/acting major.
- 205 Persuasion In Western Culture (3:3).** Significant theories in persuasive communication from classical times to the present. Types of societies in which oratory flourishes. Critical analysis of selected speakers. Contemporary issues, including the ethics of persuasion. Tedford. (H).
- 206 Nonverbal Communication (3:3).** Contemporary theory and practice of nonverbal communication. Functions and modes, such as kinesics, proxemics, and paralinguistics. Emphasis on increasing awareness of own non-verbal messages. Edwards. (SBS).
- 207 Interpersonal Communication (3:3).** Contemporary theory and practice of interpersonal communication, with emphasis on increasing awareness of own interpersonal messages. Edwards. (SBS).
- 210 Basic Broadcast Electronics (3:3).** Theory, principles, and application of radio and television broadcast equipment. Pr. 172. McDougald.
- 213 Stage Crafts in Summer Stock (2:1:3).** Study and practice in scenery construction, painting techniques, and stage lighting in summer stock theatre. Offered only at Parkway Playhouse. Pr. permission of instructor.
- 219 Communication Disorders Laboratory (1:0:2).** Supervised therapy for students with speech, voice, language, or hearing problems. Pr. permission of instructor. May be repeated for credit. Grade: pass/not pass. Newton, Prater, Earle, McCreedy.
- 221 Development of American Musical Theatre (3:3).** Musical theatre as an art form, stressing its development and major works since 1800. Minstrelsy, vaudeville, burlesque, operetta, and revue but major emphasis on musical comedy. Illustrated lectures and demonstrations. Middleton. (H).
- 231 Argumentation and Debate (3:3).** Analysis of issues and arguments of current public interest; training in the presentation of reasoned, persuasive oral discourse. (CLRD).
- 240 Language and Speech Development (3:3).** Theory and evidence of the chronological development of phonology, syntax, semantics, and pragmatics in the child. (SBS), (CSBS).
- 241 Anatomy and Physiology of the Speech and Hearing Mechanism (3:3).** Anatomical and physiological bases of human communication.
- 250 Fundamentals of Acting (3:3).** Understanding and appreciation of the problems, demands, and disciplines of the actor's art.
- 251 Acting I (3:1:4).** Introduction to acting techniques: voice, movement, warmup exercises for the actor. Improvisation exercises and stage movement.
- 252 Acting II (3:1:4).** Application of basic techniques developed in 251 to elementary scene study.
- Introduction to the Stanislavski System. Further study in movement, voice, and improvisation. Pr. 251.
- 253 Advanced Stage Make-up (3:2:3).** Special emphasis on character analysis, physiognomy, color in make-up, three-dimensional make-up, rubber prosthesis, beard and wig making, and stylized make-up. Pr. 153 or permission of instructor.
- 254 Acting: Summer Theatre (2:1:2).** Emphasis on the objective aspects of actor training. Study among areas of speed memorization, shorthand for recording blocking and essentials of techniques for effective character development in concentrated rehearsals over a short period. Offered only at Parkway Playhouse.
- 255 Rehearsal, Production, and Performance I (3:0:9).** Guided practice in carrying out minor responsibilities in play production under the pressure of preparing plays for audience approval. Students enrolled may expect to play supporting roles and serve as members of scenery, sound and special effects, property, lighting, costume, publicity, house and/or make-up staffs of UNC-G Theatre, and/or The Theatre for Young People productions. Pr. six hours of Communication and Theatre or permission of instructor.
- 256 Applied Summer Theatre I (4:0:12).** Supervised practical experience in various areas of summer theatre production.
- 257 Mime and Theatre Movement (1:0:6).** Training and discipline in mime and physical exercises for actors. Introduction to the art of illusion and body expression and control. Pr. 251 or equivalent. Offered only at Parkway Playhouse.
- 258 Musical Theatre Dance (1:0:6).** Basic principles of stage dance for the musical theatre. Rehearsal of choreography to provide concrete techniques. Pr. 251 or beginning dance course. Offered only at Parkway Playhouse.
- 259 Musical Theatre Performance (1:0:6).** Basic principles for character development for musical theatre. Rehearsal, coaching, and vocal exercises. Pr. one semester of a beginning acting course. Offered only at Parkway Playhouse.
- 291 Television Production (3:3:2).** Introduction to basic television techniques and studio operations. Pr. for Broadcasting/Cinema and Broadcasting/Performance majors 172.
- 301 Writing for the Theatre (3:3).** Exercises in dramaturgical technique. Composition of one-act plays. Middleton.
- 302 Writing for the Screen (3:3).** The study of the techniques of script writing, both adaptations and original material. Pr. 171 or ENG 330 or permission of instructor. Same as ENG 302.
- 311 Radio and Television Announcing (3:2:2).** Theory and practice of announcing skills and techniques in radio and television broadcasting. Pr. 112, 172, or permission of instructor.
- 312 Broadcast Programming (3:3).** Analysis of principal program genres in radio, television, and cable, with emphasis on notable artistic achievements in major



- genres. Identification, acquisition, and scheduling of programs.
- 313 Experimental Course: Intermediate Film Studies (3:3).** Basics of film analysis. Pr. 171 or permission of instructor.
- 320 Oral Interpretation (3:3).** Principles of interpretation: analysis and practice in the oral presentation of various forms of literature to be selected from poetry, prose, and drama. Forman. (H).
- 333 Special Problems (1 to 3).** Guided individual study in an area of special interest to the student. **Permission of a faculty supervisor is required prior to registration.** May be repeated for credit.
- 335 Sign Language for the Deaf II (3:3).** Development of conversational skills in American Sign Language (ASL). Review of origin and application of contemporary manual communication systems. Pr. 135 or permission of instructor.
- 336 Articulation Disorders (3:3).** Analysis of defective articulation-resonance as related to faulty development and to orofacial, neurologic, and sensory disabilities. Techniques for remediation. Pr. 133, 134, 240, 241.
- 337 Language Disorders (3:3).** Nature, theory, measurement, and management of language problems in children and adults. Emphasis on problems in children. Pr. 133, 134, 240, 241.
- 338 Voice Disorders (3:3).** Factors related to voice disorders in children and adults. Procedures for the examination of voice. Remediation techniques. Pr. 133, 134, 241.
- 339 Rhythm Disorders (3:3).** Basic theories and principles in the onset, development and maintenance of stuttering and similar disorders. Principal factors in measurement, diagnosis, and treatment. Pr. 133, 134.
- 340 Communication Theory (3:3).** Speech communication models; theories of intrapersonal, interpersonal, and mass communication. Language and meaning, message organization, persuasive strategies, nonverbal communication, listening behavior. Edwards. (SBS).
- 341 Public Speaking (3:3).** Theory and practice of public speaking, including study of audience analysis, choice of speaker's subject and purpose, collecting and organizing materials, and delivering speeches.
- 342 Communication/Public Relations (3:3).** Communication theory as it relates to public relations; functions of public relations in various settings; methods of preparing effective public relations materials. Pr. junior standing, ENG 219 and 319.
- 343 Listening to Communicate (1:1).** Theory and practice of listening to verbal messages; barriers to effective listening; improvement of poor listening skills. Pr. sophomore standing. Glenn.
- 344 Communication and Conflict Management (3:3).** The role and functions of communication in conflict management. Pr. sophomore standing. Pood.
- 350 Studio Theatre Practice (1:0:3).** Supervised production work in the Studio Theatre. May be repeated for credit.
- 351 Acting III (3:1:4).** Concentrated study in script and role analysis. Intensive improvisation to develop acting techniques. BFA acting majors only. Pr. 251, 252, and permission of acting faculty.
- 352 Acting IV (3:1:4).** Intermediate acting technique. Emphasis on the practical application of Stanislavski's principles of Psycho-Technique and their subsequent interpretations. Pr. 351.
- 360 Stage Millinery and Accessories (3:2:3).** Historical millinery and accessories in relation to stage adaptation. Pr. 365 or permission of instructor.
- 365 Costuming for the Stage (3:2:3).** Study of historical costume styles in relation to costuming for the modern theatre.
- 366 Costume Crafts (3:2:3).** Exploration of basic design elements and fabrics relative to costuming. Laboratory projects in costume crafts.
- 370 Film Music (3:3).** Historical survey of film music. Specific technical processes involved in writing for motion pictures. The psychological-aesthetic problems of film music. The responsibilities of the composer from prefilming preparation to evaluating the end result. (H).
- 375 Stage Scenery (3:2:3).** Principles and practice of scenery for the stage. Introduction to technical problems of play production through assignments in the studio and backstage during rehearsal and performance. Pr. 122 or permission of the instructor.
- 376 Stage Lighting (3:2:3).** Basic principles and practice of lighting for the stage. Introduction to technical problems of play production through assignments in the studio and backstage during rehearsal and performance. Pr. 122 or permission of instructor.
- 377 Design Practicum (1:0:3).** Practice in designing in theatre; preparation of a design assignment for a production presented in any of the theatre programs of the Theatre Division. Required of BFA Design/Technical Direction candidates. Pr. 365, 366, 375, 376.
- 380 News and Documentary in Broadcasting and Cinema (3:3:2).** Development of news and documentary in radio, television, film. Examination of significant programs and films and their influences on media trends and society. Pr. 171 or 172 or permission of instructor. Jellicorse. (H).
- 381 Science-Fiction in Broadcasting and Cinema (3:3).** Development of science-fiction in radio, television, film. Examination of significant programs and films and their influences on media trends and society. Pr. 171 or 172 or permission of instructor.
- 390 R-TV-F Television Laboratory (1 to 2).** Supervised participation in television broadcasting or video production. May be repeated for credit for a maximum of 3 hours. Pr. 291 and approval by Broadcasting/Cinema Division.
- 392 Radio-Television News Production (3:3).** Gathering, writing, editing, rewriting and producing news and features for broadcast media. Pr. 291 or permission of instructor.
- 393 Introduction to Cinematography (3:3).** Introduction to cinematography with emphasis on equipment,



technical skills, and construction and production of film ideas. Pr. 171 and permission of instructor. Batcheller.

- 399 Radio-TV-Film Production Workshop (3:0:9).** Guided practice in creative area of radio, television, or film, either writing, directing, performing, sound design, cinematography, or editing. Pr. appropriate to area of practice. **Permission of faculty supervisor required prior to registration.**
- 410 Broadcasting Internship (1 to 6).** Field learning experience in local broadcast media. Academic supervision provided by faculty member and direction in the field provided by job supervisor. Students may repeat enrollments for a total of 6 semester hours in 410 and/or 411. Pr. 171, 172, 291, and two additional courses 300 level or above and departmental approval.
- 411 Cinema Internship (1 to 6).** Field learning experience in local film industry. Academic supervision provided by faculty member and direction in the field provided by job supervisor. Students may repeat enrollments for a total of 6 semester hours in 410 and/or 411. Pr. 106, 112, 171, 172, 291, 393, 510, 517 or 518, 532 and departmental approval.
- 412 Communication Internship in Public Relations (1 to 6).** Field learning experience in agencies involved in public relations. May be repeated for a maximum of 6 semester hours credit. Open to majors only. Pr. senior standing, COM 342, and approval by Communication Studies Division.
- 413 Communication Internship in Organizational Communication (1 to 6).** Field learning experience in applications and control of communication in a variety of organizational settings. May be repeated for credit for a maximum of 6 hours. Pr. senior standing, 514, approval of Communication Studies Division.
- 440 R-TV-F Advanced Radio Laboratory (1 to 2).** Supervised participation at an advanced level of radio broadcasting or program production. May be repeated for credit for a maximum of 3 hours. Pr. approval by Broadcasting/Cinema Division.
- 441 R-TV-F Advanced Film Laboratory (1 to 2).** Supervised participation at an advanced level of filmmaking and presentation. May be repeated for credit for a maximum of 3 hours. Pr. junior standing and approval by Broadcasting/Cinema Division.
- 450 Advanced Theatre Practice (1:0:4).** Supervised participation at an advanced level in any phase of the theatre production program. May be repeated for credit. Pr. 4 credit hours of 150 and junior standing.
- 451 Experimental Course: Stage Management (3:3).** Theatrical stage management, including skills of organization, communication, technical coordination, rehearsal procedures, and the transition from community/college/university to professional stage management. Pr. 122, 150.
- 454 Teaching Methods in Speech Communication and Theatre Arts (3:3).** The philosophy, means, and methods for conducting classes and structuring curricular and cocurricular speech and theatre activities. Required for Speech Communication and

Theatre Arts teacher certification. Offered in alternate years.

- 460 R-TV-F Media Workshop II (1:1).** Examination of specific aspects of broadcasting and film as provided by instruction of industry professionals. Limited to juniors and seniors. May be repeated for credit for a maximum of 3 hours.
- 461 Internship in Teaching the Deaf (6:1:10).** Full-time supervised classroom teaching in one or more classes for the deaf in an acceptable school environment. King.
- 465 Clinical Practice in the Public School (12).** Clinical practice in speech pathology in the school environment, under supervision of University supervisor and cooperating therapist. Strong.
- 465 (Education) See EDU 465.**
- 473 Intermediate Cinematography (3:3).** Further study of principles and techniques of film communication through practice by shooting and editing several short films in Super 8. Pr. 171, 393.
- 481 History and Psychology of the Deaf (2:2).** Traditional and experimental methods of educating deaf children. Review of psychological studies of deafness and implications for education.
- 483 Teaching Academic Subjects to the Deaf — Primary (3:3).** Methods in teaching academic materials to deaf children with emphasis on elementary level. Utilization of manual and aural skills of deaf students in the classroom.
- 485 Teaching Academic Subjects to the Deaf — Secondary (3:3).** Methods of teaching academic materials to deaf children at the secondary level. Importance of using residual hearing as a method of transmission.
- 493-494 Honors (3:3)-(3:3).** The honors project may be a part of Communications Disorders, Communication Studies, Broadcasting/Cinema, or Theatre programs.

## Courses for Advanced Undergraduates and Graduates

- 502 Semantics (3:3).** Words and symbols; how words get their "meaning"; referents. General semantics, including its criticisms of traditional reasoning and its theory for improving human thought and communication. Tedford.
- 505 Advanced Speech Composition and Delivery (3:3).** Composition and delivery of various types of speeches, such as the lecture, the deliberative address, the eulogy, and the entertaining speech. Speechwriting; extemporaneous and manuscript delivery. Pr. 105, 231, or 341, or graduate standing. Tedford.
- 509 Media Sound Production (3:3).** History, aesthetics, and techniques of sound production in media. Pr. 171, 172, 210, 291.
- 510 Advanced Cinematography (3:3).** Advanced principles and techniques of film production. Pr. 393 and/or permission of instructor; 512 recommended.
- 512 TV and Film Lighting (3:2:3).** Principles of light and



- color in lighting for television and film production. Application of the equipment and accessories used in the execution of lighting design through practical projects. Pr. 291, 376, or 393 or permission of instructor. Batcheller.
- 514 **Organizational Communication (3:3).** Theories of interpersonal and oral communications. Emphasis upon the use of oral communication to accomplish organizational objectives. Same as MGT 514. (Formerly 416.)
- 515 **Film Theory (3:3).** Study of the principal theories of film through the writings of critics, theorists, and directors. Pr. 171 or ENG 330 or graduate standing.
- 516 **Advanced Film and Television Writing (3:3).** The advanced study of screenwriting with emphasis on the writing of original full-length material. Pr. 171, 291, 302, and 393, or permission of instructor.
- 517 **The Auteur Director (3:2:3).** The works of an individual film director. Subject differs from offering to offering. May be repeated for credit. Pr. 171 or ENG 330 or graduate standing. Same as ENG, FRE, ITA, SPA 517.
- 518 **Studies in Film Genre (3:2:3).** The technical, dramatic, social, and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering. May be repeated for credit. Pr. 171 or ENG 330 or graduate standing. Same as ENG, FRE, ITA 518.
- 519 **Film Animation (3:3).** Study of historical and theoretical development of animated film. Pr. 171 (or ENG 330) or graduate standing.
- 520 **Advanced Oral Interpretation (3:3).** Audiences, materials, and procedures of readers theatre. Practice in advanced principles of the oral interpretation of literature. Pr. 320 or graduate standing. Forman.
- 521 **Advanced Telecommunications Programming (3:3).** Examination of television programs as representatives of program types. Evaluation of situation comedy, melodrama, docudrama, sports and live "TV events," performing arts, electronic religion, game shows, and avant garde video works. Pr. 171, 172, 291, 312 or graduate standing.
- 522 **Advanced Stagecrafts (3:2:3).** Study of advanced scenic construction, property construction, and rigging techniques for the stage. Supervised laboratory work in wood, plastics, metal, and other materials. Pr. 122 or permission of instructor.
- 523 **Technical Direction (3:3).** Theatrical technical direction with emphasis on organizational, managerial, and problem-solving duties and responsibilities. Lecture combined with practical projects. Pr. 122 and 375 or 376, plus junior, senior or graduate standing.
- 525 **Mime (3:1:4).** Analysis and practice of mime techniques. Designed to further the student actor's art of stage movement. Pr. 251, 252, or permission of instructor.
- 526 **Mime II (3:1:4).** Utilization of skills and techniques developed in Mime I towards practical application and performance. Study of different styles. Pr. 525.
- 527 **Speech Problems and the Classroom Teacher (3:3).** Normal speech and language development and deviations. Corrective techniques; the speech and language pathologist-classroom teacher relationship. Closed to Communication Disorders majors.
- 528 **Technical Practice for the School and Community Theatre (3:3).** Study of design techniques and the execution of scenery, lighting, and costuming for low budget play and musical production. Pr. 122 or permission of instructor.
- 529 **Voice and Speech Production (3:3).** Physiology of the vocal mechanism; phonetics; dialects; exercises designed to develop vocal strength, resonance, and flexibility. Glenn.
- 530 **Group Communication (3:3).** Theory and practice of small group communication, emphasizing student participation. Methods of leadership. Significant research in speech communication as it relates to group methods. Glenn.
- 531 **Persuasive Speaking (3:3).** Theory and practice of persuasive public communication; preparation and delivery of persuasive speeches. Pr. 105, 231 or 341 or graduate standing.
- 532 **Freedom of Speech and Censorship (3:3).** Theories, issues, and cases of freedom of speech, censorship, and ethics of persuasion. Historical, legal, and philosophical considerations; contemporary problems of dissent, social protest, and artistic freedom. Tedford.
- 533, 534 **History of the Theatre I, II (3:3), (3:3).** Specific conditions under which the great plays of the world have been produced. First semester: the beginnings to 1600; second semester: 1600 to present. Nomikos.
- 535 **Scene Drafting and Construction (3:3).** Advanced problems in scene construction combined with the development of scene drafting skills and techniques. Offered in alternate years. Pr. 375 or permission of instructor.
- 537 **American Public Address (3:3).** Public communication from the colonial era to 1932. Emphasis on the role of speech communication in pulpits, courts, legislative bodies, ceremonial events, the public platform, and on radio. Jellicorse.
- 538 **Contemporary Public Address (3:3).** Significant speakers in the United States from FDR to the present, including Truman, MacArthur, Nixon, Johnson, King, and Kennedy. Emphasis on political speaking; standards of public address in modern society. Tedford.
- 540 **Directing for Television (3:2:3).** Fundamental principles of directing for television. Laboratory directing experience. Pr. 172, 291.
- 541 **Directing (3:3).** Fundamental principles of directing for the theatre. Pr. second semester junior standing or permission of instructor.
- 542 **Directing Practicum (1:0:3).** Practice in directing the play; preparations of a 20 to 30 minute play or excerpt and presentation in the Studio Theatre. Required of BA and BFA Theatre Arts candidates in the semester following enrollment in 541. Pr. 541.
- 543 **Stage Costume Design (3:2:3).** Elements of design in relation to costume design and the graphic interpretation, with these fundamentals, of characters



- from plays. Pr. permission of instructor.
- 544 **Scene Design (3:1:6)**. Advanced problems of scenic design. Development of proficiency in scene painting techniques. Pr. 375 or permission of instructor. Nomikos.
- 545 **Advanced Stage Lighting Design (3:2:3)**. Advanced problems of stage lighting design; lighting equipment application and innovation. Pr. 376 or permission of instructor.
- 546 **Problems in Scenic Design for Summer Stock (1:2)**. Design and technical problems of the productions presented at Parkway Playhouse. Pr. advanced standing and 213 or equivalent.
- 547 **Multi-set Design Techniques (3:1:6)**. Preparation of designs and solving of production problems of multiset plays in relation to various stage forms. Pr. 375 or permission of instructor. Nomikos.
- 548 **Problems in Play Directing for Summer Stock (1:2)**. Exploration of the director's concept and discussion of problems in directing plays at Parkway Playhouse. Pr. advanced standing or permission of instructor.
- 549 **Costume Construction (3:1:6)**. Theory and practice in costume construction; basic pattern making techniques for stage costumes. Pr. 365, 366 or permission of instructor.
- 551 **Speech and Language Disorders: Diagnostic Procedures (3:2:2)**. Differential diagnosis of speech, language, voice, and rhythm problems. Pr. permission of instructor. Newton.
- 554 **Speech Science (3:3)**. Acoustic theory and methods of analysis; acoustic structure of speech and its physiological correlates; application of acoustic information to clinical management of disorders of communication. Pr. 241 or equivalent. Earle.
- 555 **Advanced Sign Language Interpreting (3:3)**. Advanced manual communication with emphasis on interpreting and translating for deaf adults in specialized settings. Pr. 335 or permission of instructor.
- 556 **Aural Rehabilitation (3:3)**. Principles and methods of auditory training, speechreading, and use of sensory aids. Pr. 570 or permission of instructor.
- 560 **Cases in Applied Communication (3:3)**. Seminar in applying communication theory and research to actual situations through published cases. Pr. 342 or 514 or consent of instructor.
- 561 **Advanced Public Relations (3:3)**. Advanced instruction in the preparation of public relations tools and classroom examination of public relations case studies. Pr. 342 or equivalent and senior or graduate standing.
- 567 **Phonetics (3:3)**. Analysis of phonemes of the English language as a basis for speech improvement and the correction of severe speech disorders; voice mechanism; practice in narrow transcription of International Phonetic Alphabet.
- 570 **Audiology (3:3)**. Introduction to the field of clinical audiology. Includes anatomy, physiology, and disorders of the hearing mechanism and interpretation of basic measurements of auditory function. Dixon.
- 571 **Clinical Practice in Speech-Language Pathology (1 to 3)**. Clinical methods in diagnosis and therapy. May be repeated for credit. Pr. permission of instructor. Newton, Prater, Earle, McCready, Strong.
- 572 **Dynamics of Deafness (3:3)**. Analysis of the environmental factors which shape a deaf adult's overall adjustment. Intervention strategies to deal with adjustment difficulties. Shroyer.
- 574 **Advanced Clinical Audiology (3:3)**. Pediatric audiology; non-organic hearing loss; differential diagnosis; special problems in diagnosis. Pr. 570. Dixon.
- 576 **Clinical Practice in Audiology (1 to 3)**. Supervised clinical practice in evaluation of hearing and management of hearing impairment. Pr. 570 or permission of instructor. Causby.
- 577 **Teaching Speech to the Deaf (3:3)**. Principles and techniques for developing and maintaining speech in the hearing-impaired of all ages. Pr. 133 or equivalent.
- 578 **Teaching Language to the Deaf (3:3)**. Systems for developing language in the individual with severe hearing impairment. Pr. 240 or equivalent.
- 579 **Theatre Management (3:3)**. Theatre organization and operation. Practical problems of financing, promoting, and staffing various theatre programs. Pr. drama major or permission of instructor.
- 581, 582 **World Theatre I, II (3:3), (3:3)**. Dramatic literature from Aeschylus to the contemporary playwrights, with emphasis on its production in the theatre. First semester: classical, Oriental, and European drama through nineteenth century. Second semester: modern European and American drama from Ibsen to Shepard.
- 583, 584 **Period Styles of Stage Decor I, II (3:3), (3:3)**. First semester: Stage design and decor of the architectural styles and decoration from Antiquity to the Renaissance. Second semester: Stage design and decor of the architectural styles and decoration from the Renaissance to the present. Pr. 533, 534, or permission of instructor.
- 585 **Advanced Radio-TV-Film Production (3:2:3)**. Advanced application of principles and techniques of radio, television or film production. Pr. permission of instructor.
- 589 **Summer Repertory Practicum (6:0:18)**. Intensive experience in one or more areas of repertory theatre. Offered summers only. Pr. permission of instructor.
- 590 **Acting V (3:1:4)**. Practical application of Stanislavski's Method of Physical Action. Advanced scene study and role preparation with emphasis on the plays of Chekhov, Shaw, Ibsen, Strindberg, and American neoclassic dramatists. Pr. 351 and 352 or permission of instructor.
- 591 **Experimentation (3:1:4)**. Experience and analysis of the creative process of building a dramatic role, directing, playwrighting, stage design, broadcasting, or film production. For senior majors and graduate students only. **Permission of a faculty supervisor is required prior to registration.** Broadcasting/Cinema projects require completion of 510 and/or 540 prior to registration.



- 592 **Period Acting I (3:1:4).** The study and practice of Shakespearean acting styles. Performance emphasizing manners, movement, costumes, sword play and vocal delivery of the Elizabethan period. Pr. 351 and 352, ENG 339, or permission of instructor.
- 593 **Advanced Acting: Summer Theatre (2:1:2).** Development of a practical technique and a sound approach to in-depth characterization limited by short rehearsal time at Parkway Playhouse. Pr. 254 or permission of instructor.
- 594 **Applied Summer Theatre II (4:0:12).** Intensive experience in one or more areas of summer theatre production at Parkway Playhouse. Pr. 256 or permission of instructor.
- 595 **Rehearsal, Production, and Performance II (3:0:9).** Guided practice in carrying out major responsibilities through playing leading roles, serving as assistant directors or crew heads in scenery, properties, lighting, costumes, publicity, house, and/or make-up of UNC-G Theatre and/or Theatre for Young People productions or directing Studio Theatre productions. Pr. 12 hours of Communication and Theatre or permission of instructor.
- 596 **Creative Dynamics for School and Community (3:2:2).** Research and literature for creative dramatics for children, ages five through 14. Practice in leading groups of children in creative dramatics. Behm, Middleton.
- 597 **Puppetry (3:2:2).** Scope and development of puppetry throughout the world. Practical experience in the design, making, and performing of puppets. Behm.
- 598 **Children's Theatre for School and Community (3:2:2).** Research and literature of children's theatre; methods of producing plays with children in school and community situations. Behm.
- 599 **Acting and Directing for the Camera (3:2:2).** Practical experience in camera technique for actors and directors in dramatic film and television production. For advanced undergraduates and graduate students in Theatre and Broadcasting/Cinema. Pr. written permission of instructor(s).
- 613 **Education of the Multihandicapped Deaf Child (3:3).**
- 614 **Language Disorders in Children (3:3).**
- 615 **Seminar on Deafness (3:3).**
- 616 **Preschool Hearing-Impaired Children (3:3).**
- 617 **Teaching Reading to Hearing-Impaired Individuals (3:3).**
- 621 **Seminar in Lighting (3:3)**
- 622 **Seminar in Design (3:3).**
- 625 **Seminar in Broadcasting-Film (3:3).**
- 631 **Directing the Forensic Program (3:3).**
- 632 **Seminar in Communication Freedoms and Responsibilities (3:3).**
- 639 **Applied Play Directing (3:1:4).**
- 641 **Advanced Play Directing (3:3).**
- 644 **Studies in Acting (3:3).**
- 650 **Independent Study (1 to 3).**
- 652 **Advanced Communication Theory I (3:3).**
- 660 **Drama Theory and Criticism (3:3).**
- 661 **Modern Theatre Styles (3:3).**
- 662 **Advanced Communication Theory (3:3).**
- 663 **Seminar in Interpersonal Communication (3:3).**
- 667 **Experimental Phonetics (3:2:2).**
- 677 **Internship in Communication Disorders (3 to 9).**
- 678 **Graduate Practicum in Film/Video (3:0:9).**
- 680 **Graduate Practicum in Theatre (3:0:9)**
- 681 **Contemporary Acting II (3:1:4).**
- 682 **Period Acting II (3:1:4).**
- 690 **Stage Dialects (3:3).**
- 691 **Advanced Experimentation (3:1:4).**
- 693 **Classical Rhetoric (3:3).**
- 694 **Modern Rhetorical Theory and Criticism (3:3).**
- 695 **Master Production in Theatre (3:0:9).**
- 696 **Advanced Creative Drama (3:3).**
- 697 **Master Production in Film/Video (3:0:9)**
- 698 **Experimental Design in Communication Disorders (3:3).**
- 699 **Thesis (3 to 6).**
- 800 **Graduate Registration.**
- 801 **Graduate Registration.**

## Courses for Graduates

- 600 **Introduction to Graduate Study (3:3).**
- 601 **Special Topics in Child Speech and Language Development (3:3).**
- 602 **Seminar in Speech Pathology — Organic Disorders (3:3).**
- 603 **Seminar in Voice Problems (3:3).**
- 604 **Seminar in Rhythm Problems (3:3).**
- 605 **Seminar in Speech and Language Pathology (3:3).**
- 606 **Seminar in Aphasia (3:3).**
- 607 **Seminar in Cerebral Palsy (3:3).**
- 608 **Seminar in Cleft Palate (3:3).**
- 609 **Seminar in Alaryngeal Speech (3:3).**
- 610 **Seminar in Clinical Audiology (3:3).**
- 611 **Hearing Aids and Residual Hearing (3:3).**
- 612 **Seminar in Speech Communication (3:3).**

**Community Health Education — See**  
Health, Physical Education,  
Recreation and Dance.

**Composition-Theory — See Music.**

**Comprehensive Business Teacher**  
**Education — See Business and**  
Marketing Education.

**Computer Science — See Mathematics.**

**Dance, Dance Education — See**



Health, Physical Education,  
Recreation and Dance.

**Dentistry** — See Medicine, Dentistry  
and Veterinary Medicine.

**Design** — See Art.

**Design & Technical Direction** — See  
Communication and Theatre.

**Early Childhood Education**

**Certification** — See Education.

**Economics** — Department of

(462 Business and Economics Bldg./School of Business and  
Economics.)

**Albert N. Link** (1982), Professor and Head of  
Department/B.S., Richmond/Ph.D., Tulane.

**Stuart D. Allen** (1976), Associate Professor and Director of  
Center for Economic Education/B.A., Wake Forest/Ph.D.,  
Virginia.

**Bruce J. Caldwell** (1978), Associate Professor/B.A., College of  
William and Mary in Virginia/Ph.D., U.N.C. at Chapel Hill.

**Robert A. Connolly** (1981), Assistant Professor/B.A., M.A.,  
Ph.D., Maryland.

**Phillip Friedman** (1984), Professor and Dean of the School of  
Business and Economics/B.B.A., City College of New  
York/Ph.D., Massachusetts Institute of Technology.

**Steven E. Henson** (1982), Assistant Professor/B.A., California  
State/M.S., Ph.D., Oregon.

**Barry T. Hirsch** (1976), Professor/B.A., Ph.D., Virginia.

**David M. Kemme** (1979), Assistant Professor/B.A.,  
Miami/M.A., Ph.D., Ohio State.

**Charles J. LaCivita** (1981), Assistant Professor/B.E.E.,  
Detroit/M.B.A., Valdosta State College/Ph.D., California at  
Santa Barbara.

**Stephen Layson** (1978), Associate Professor/B.A.,  
Indiana/Ph.D., Chicago.

**Thomas J. Leary** (1968), Associate Professor/B.A.,  
Northeastern/M.A., Ph.D., Ohio State.

**Karen Leppel** (1980), Assistant Professor/B.A., Douglass  
College/M.A., Ph.D., Princeton.

**Dennis P. Leyden** (1984), Instructor/B.A., Virginia/M.A.,  
Carnegie-Mellon.

**Donald L. McCrickard** (1975), Associate Professor/B.A.,  
Ph.D., U.N.C. at Chapel Hill.

**Mark S. McNulty** (1983), Instructor/B.S., South Dakota.

**John L. Neufeld** (1974), Associate Professor/B.A., Yale/Ph.D.,  
Michigan.

**John G. Redmond** (1974), Lecturer/B.A., M.A., UNC-G.  
Part-time.

**Terry G. Seaks** (1972), Professor/B.A., Washington &  
Lee/M.A., Ph.D., Duke.

**David H. Shelton** (1965), Professor/B.A., Millsaps  
College/M.A., Ph.D., Ohio State.

**Kenneth A. Snowden, Jr.** (1983), Assistant Professor/B.S., East  
Tennessee State/M.A., Ph.D., Wisconsin.

**Timothy J. Wishon** (1984), Instructor/B.S., M.A., UNC-G.

The Department of Economics endeavors to provide students

with an understanding of economic principles, concepts, and  
institutions and the ability to analyze economic problems and  
public policy issues. Economics is a social science and is  
concerned with such issues as inflation, unemployment,  
international trade and finance, energy scarcity, population  
pressures, urban decay, environmental pollution, poverty and  
discrimination.

The Economics Department offers degree programs leading  
to the Bachelor of Arts with a major in economics, Bachelor  
of Science with a major in economics, and Master of Arts with  
a major in economics or applied economics. Students who  
wish to pursue a liberal arts approach to the study of  
economics should pursue the Bachelor of Arts degree.  
Students who wish to pursue the study of economics in  
combination with an in-depth study of business should  
pursue the Bachelor of Science degree. Requirements for the  
B.S. degree include the "common body of knowledge"  
courses common to all professional degree programs within  
the School of Business and Economics.

As a social science, economics is among those disciplines  
traditionally included in liberal arts studies. Economics is also  
an immensely practical subject. Many economic ideas and  
concepts are at the core of rational decision making and,  
consequently, are very useful to those planning careers in  
commerce, industry, law, government, journalism, and  
administration. An undergraduate major in economics at  
UNC-G combines a liberal education with technical  
specialization and provides an excellent background for  
finding employment in many diverse private firms and with  
government. The program also helps to prepare the student  
for graduate study in economics, law, business, and other  
professional fields.

Departmental faculty members are available to advise  
students about curricular matters and career opportunities.  
The department has prepared an informative *Handbook for  
Economics Majors*. The *Handbook* contains a course guide  
and will be useful to present and prospective majors.

Social studies teacher certification is available. Students  
seeking certification should consult the teacher education  
chapter.

## **ECONOMICS MAJOR (Bachelor of Arts)**

Required: Formal admission to the School of Business and  
Economics, acceptance by the Department of Economics and  
122 semester hours of work. For a summary of admission  
requirements, see pp. 54-55.

### **Liberal Education Requirements**

(See Curriculum Chapter for full explanation.)

1. One course in English composition or exemption.
2. Three courses from Humanities Area (H).
3. Two courses from Natural Sciences & Mathematics  
Area (NSM).
4. Two courses, outside the School of Business and  
Economics, from Social and Behavioral Sciences Area  
(SBS).
5. Four additional courses, outside the School of  
Business and Economics, from any one, all or  
combination of the above three areas or in an  
elementary foreign language.



Note: Work taken to satisfy Nos. 2, 3, 4 and 5 above, or elsewhere in the student's program, must include MAT 191.

#### Major Requirements

1. ECO 201, 202, 327, 345, 346 and 350.
2. Economics electives above the 100 level of not fewer than 9 or more than 18 semester hours.

#### Related Area Requirements

ISM 234.

#### Electives

Electives sufficient to complete total semester hours required for degree.

### ECONOMICS MAJOR (Bachelor of Science)

Required: Formal admission to the School of Business and Economics, acceptance by the Department of Economics and 122 semester hours of work. For a summary of admission requirements, see pp. 54-55.

#### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One course in English composition or exemption.
2. Three courses from Humanities Area (H).
3. Two courses from Natural Sciences and Mathematics Area (NSM) to include at least 3 semester hours in one of the following: biology, chemistry, geography, or physics.
4. Two courses, outside the School of Business and Economics, from Social and Behavioral Sciences Area (SBS).
5. Four additional courses, outside the School of Business and Economics, from any one, all or combination of the above three areas or in an elementary foreign language.

Note: Work taken to satisfy Nos. 2, 3, 4 and 5 above, or in other portions of the student's program, must include MAT 191, PSY 221, SOC 211 and 3 additional semester hours in approved social and behavioral sciences other than courses offered in the School of Business and Economics.

#### Major Requirements

1. ECO 201, 202, 327, 345, 346 and 350.
2. Economics electives above the 100 level of not fewer than 18 or more than 24 semester hours. SBE courses approved by the Department may be substituted for up to 9 semester hours of economics electives.

#### Related Area Requirements

1. ACC 201 and 202.
2. FIN 340.
3. ISM 234 and 360.
4. MGT 310, 320, 330 and 491.

#### Electives

Electives sufficient to complete total semester hours required for degree.

#### Economics Minor

Eighteen semester hours of economics excluding ECO 101, 319, 336, 350.

#### Double Major

Students double majoring in economics and another field must meet all of the requirements specified for both majors. The only exception to this rule occurs when each major requires the student to complete substantially equivalent courses in separate departments. Approval of the Department head is required in such cases.

#### Limitations of Work within the School of Business and Economics

Students majoring within the School of Business and Economics may not take more than sixty percent of their course work within the School. In a 122 semester hour degree program, no more than 72 semester hours may be taken within the School of Business and Economics.

## Economics-ECO/courses

#### Courses for Undergraduates

- 101 Introduction to Economics (3:3).** Introduction to basic economic concepts and reasoning with applications to the contemporary American economy. Open to freshmen; not open to persons with credit for 201, 202 or equivalent. (SBS), (CSBS).
- 201 Principles of Microeconomics (3:3).** An introduction to microeconomic principles and methods of analysis. Topics include: market system, supply and demand, shortages and surpluses, study of competition and monopoly. Economic principles used to study specific social problems. (SBS), (CSBS).
- 202 Principles of Macroeconomics (3:3).** An introduction to elementary macroeconomic principles and methods of analysis. The application of macroeconomic principles to selected social issues. Topics include the national income, the monetary system, inflation, recession, the national debt, international trade and economic growth. Pr. 201 or consent of instructor. (SBS), (CSBS).
- 260 Current Issues in Economics (3:3).** Economic analysis of current issues. Topics will vary. Issues include trade policy, macroeconomic policy, environment and energy, discrimination, Social Security, regulation, education, health care, tax policy, agriculture, stock market. Pr. 201, 202, or consent of instructor. (SBS).
- 311 Managerial Economics (3:3).** Economic issues of the modern corporation. Topics include: nature of corporation and role of manager, demand, market structure, competitive strategies, finance, cost and supply, pricing, R&D, mergers, and advertising. Pr. 201, 350. Admission to School of Business and



- Economics or other professional program approved by the School. (SBS).
- 312 Productivity and Technological Change (3:3).** Economic analysis of technological change. Topics include sources of productivity, inventive activity, entrepreneurship, innovation strategy, R&D management, patenting, and technology assessment. Pr. 201.
- 319 Quantitative Analysis I (3:3).** Introduction to mathematical methods in economics and business. Includes applications of mathematics to consumer and production theory, equilibrium analysis, input-output models, and optimization. Pr. MAT 119 or equivalent and ECO 201.
- 327 Money and Economic Activity (3:3).** Emphasis on legal, institutional and economic forces which mutually interact to determine supply of money. Elementary monetary theory and monetary flows, institutions, policies and problems analyzed. Also international as well as domestic monetary analysis. Pr. 202. (SBS).
- 336 Consumer Economics (3:3).** Applies economic principles to problems of the consumer in his effort to maximize utility. An analysis of the consumer movement and of the role of government in the area of consumer protection. Pr. 201. (SBS).
- 345 Intermediate Microeconomic Theory (3:3).** Intermediate-level treatment of microeconomic theory. Topics include scope, methods and uses of economic theory; intermediate theory of demand, supply, markets for output and factors of production; and functioning of market system as a whole. Applications of economic theory to the consumer, business firm and nation are considered. Pr. 201, MAT 191, admission to the School of Business and Economics or other professional program approved by the School. (SBS).
- 346 Intermediate Macroeconomic Theory (3:3).** Intermediate-level analysis of determination of national income and employment with collateral attention to some portions of monetary theory, theories of business fluctuations and secular economic growth. Pr. 345. (SBS).
- 350 Economic and Business Statistics (3:3).** Introduction to statistical methods and their applications in economics, business administration and other social sciences. Topics include measures of central tendency, dispersion and relationship, trends, index numbers, time series analysis. Emphasis placed on problem solving. A student may not receive credit for STA 371, SOC 314, or PSY 310 and ECO 350. Pr. MAT 191.
- 351 Economic and Business Statistics II (3:3).** A continuation of 350. Multiple regression, time series analysis, simple forecasting, basic econometric models, nonparametric methods applied to case studies in business, economics and accounting. Use of TSP computer program. Pr. 201, 202, 350, MAT 191, ACC 201, 202, and admission to the School of Business and Economics or other professional program approved by the School.
- 360 International Monetary Economics (3:3).** An analysis of the balance of payments and alternative international monetary systems. Monetary and fiscal policies under the gold standard, fixed exchange and flexible exchange systems. The breakdown of the Bretton Woods system and the current exchange rate policies of central banks. Pr. 327.
- 363 European Economic History (3:3).** A study of the evolution of European economics from early modern times to the twentieth century. Emphasis on sources of growth: trade, migration, industry, technical change, labor, and capital. Pr. 201. Same as HIS 363. (SBS).
- 370 Labor Economics and Labor Relations (3:3).** Examination of wage and employment determination in U.S. labor markets. Topics include labor supply and labor demand theory, investments in education and training, job search and migration, unemployment, unions, racial and sex discrimination, income inequality and public policy. Pr. 201. (SBS).
- 375 Monopoly, Competition and Public Policy (3:3).** Government regulation and control of markets. Emphasis on antitrust law and economics as well as control by regulation. Pr. 201. (SBS).
- 380 Economic Demography (3:3).** Analysis of the interaction of population growth and changes in economic conditions. Also examines marriage, migration, family planning, and population growth effects on the environment. Pr. 201.
- 493-494 Honors Work (3:3)-(3:3).**
- 499 Problems in Economics (3:3).** Independent study, research and class discussion covering a topic or group of related topics of current interest in economic policy or economic theory. Topics covered vary from semester to semester. Pr. 201 and consent of instructor.

### Courses for Advanced Undergraduates and Graduates

- 500 Quantitative Methods in Business and Economics (3:3).** Fundamental quantitative analysis for business, including market equilibrium models, national income models, cost and revenue functions, optimization methods, basic statistical methods. Pr. MAT 119 or equivalent; admission to MBA program or other masters degree programs with consent of Director of the MBA program.
- 505 Economics for Educators (3:3).** Principles of economics with application to selected problems such as economic growth, inflation, monetary and fiscal policy, international trade, and monopoly and competition. Designed for pre-service and in-service teachers; not open to majors in economics and management. May not count toward a graduate degree in economics or business administration.
- 510 Law and Economics (3:3).** Applies economic theory in analysis of law. Course presents framework for analysis, examines the legal system and various fields of law, studies public regulation, reviews economic



- analyses of crime and examines alternative views of legal process. Pr. 201.
- 517 American Economic History: Colonial Times to 1865 (3:3).** Evolution of the American economy through the Civil War. Emphasis on sources of economic growth and economic welfare. Pr. 201 or consent of instructor. Same as HIS 517.
- 518 American Economic History: 1865 to Present (3:3).** Evolution of the American economy from the Civil War to the present. Emphasis on economic performance through time measured against the goals of full employment, price stability and rapid growth. Pr. 201 or consent of instructor. Same as HIS 518.
- 519 Quantitative Analysis II (3:3).** Mathematical analysis of economic problems. Includes applications of integral calculus, differential equations and game theory to economic growth, market stability, dynamic input-output models and imperfect competition. Pr. 319 or equivalent; 345 or equivalent.
- 523 Economics of the Public Sector (3:3).** Course examines market failure, public goods, economic efficiency, income distribution and decision making in non-market sector. Economic analysis of major taxes and expenditures with emphasis on incidence and allocative effects. Pr. 201.
- 527 State and Local Finance (3:3).** Investigation into the structure and current problems of the state and local public sector. Applies economic theory and analysis to evaluate present and proposed sources of financing and systems for expenditure decision-making. Pr. 201 or consent of instructor.
- 530 Urban and Regional Economics (3:3).** Application of the analytical tools and economics to explain the economic organization of cities, metropolitan areas and larger regions and to deal with their economic problems. Problem areas analyzed include growth, poverty, housing, transportation. Pr. 201.
- 540 Economic Development (3:3).** Factors attending and determining economic growth of nations over long periods of time. Application of economic concepts to problems of less developed nations. Pr. 201.
- 550 Comparative Economic Systems (3:3).** Capitalism, socialism, communism, and fascism as economic systems and as philosophies; strength and weakness in each system. Pr. 201.
- 551 Directed Studies in Economics (3).** Individual study of economic problems with emphasis on areas of special interest to student. Regular conferences with instructor required. Pr. 12 s.h. of economics, including 201 and 202 and consent of instructor.
- 552 Econometrics (3:3).** Empirical study of economic relationships. Basic economic models such as demand equations, consumption functions, supply models are estimated using economic data. The computer is used to implement the least squares computations. Pr. 201 and 350, equivalents or consent of instructor.
- 553 Economic Forecasting (3:3).** Forecasting economic trends and fluctuations. Applications of regression analysis, exponential smoothing techniques and Box-Jenkins procedures to forecast such economic variables as gross national product and unemployment levels. Pr. 201, 202 and 350.
- 555 History of Economic Thought (3:3).** Main currents in the evolution of economic thought with emphasis on classical and neoclassical schools and developments in economic ideas during twentieth century. Pr. 202.
- 560 International Economics (3:3).** Mechanism and theory of international trade. Selected current problems in international economic and commercial policies. Pr. 202.
- 563 Energy Economics and Policy (3:3).** Economic analysis of energy problems and policies. Examines cartel models, alternative vs. conventional fuels, pricing policies, nuclear energy, energy, national security issues, and conflicts between energy development and environmental protection. Pr. 201.

### Courses for Graduates

- 611 Managerial Economics (3:3).**
- 612 Economic Environment of the Firm (3:3).**
- 624 Labor Theory and Analysis (3:3).**
- 645 Advanced Microeconomics (3:3).**
- 646 Advanced Macroeconomics (3:3).**
- 652 Advanced Economics and Business Statistics I (3:3).**
- 653 Advanced Economics and Business Statistics II (3:3).**
- 655 Modeling Economic Systems (3:3).**
- 660 Industrial Organization and Public Policy (3:3).**
- 661 International Monetary Economics (3:3).**
- 671 Theory of Economic Growth (3:3).**
- 685 Monetary and Fiscal Policy (3:3).**
- 694 Seminar and Research in Economics I (3:3).**
- 695 Seminar and Research in Economics II (3:3).**
- 699 Thesis (3).**
- 800 Graduate Registration.**
- 801 Graduate Registration.**

### Education — School of

(Curry Bldg.)

- David H. Reilly** (1974), Professor and Dean of School/B.A., Vermont/Ed.M., Ed.D., Rutgers/ABPP (1972), Diplomat, American Board of Professional Psychology (School Psychology).
- Jack i. Bardon** (1975), Excellence Foundation Professor, School of Education and Department of Psychology/B.A., Case Western Reserve/M.A., Ph.D., Pennsylvania.
- Elisabeth Ann Bowles** (1956), Associate Professor/B.A., UNC-G/M.A., Ph.D., U.N.C. at Chapel Hill.
- Joseph Russell Brooks** (1985), Visiting Assistant Professor/B.A., Aurora/M.Ed., Ed.S., U.N.C. at Chapel Hill/Ed.D., UNC-G. Part-time, second semester 1984-85.
- Dale L. Brubaker** (1971), Professor/B.A., Albion College/M.A., Ph.D., Michigan State.
- Joseph Eugene Bryson** (1964), Professor/B.A., Elon College/M.A., U.N.C. at Chapel Hill/Ed.D., Duke.
- John C. Busch** (1970), Associate Professor/B.A., Niagara/M.S.Ed., St. John's/Ed.D., Tennessee.



- Dwight F. Clark** (1970), Associate Professor/B.S., SUNY at Oswego/Ed.M., Ed.D., Harvard. Deceased 9-20-84.
- Judith F. Davie** (1981), Assistant Professor/A.B., Birmingham-Southern College/M.S., A.M.D., Ph.D., Florida State.
- Linda J. DeGuire** (1983), Assistant Professor/B.A., Fontbonne College/M.A., Ph.D., Georgia.
- Lols Virginia Edinger** (1962), Professor/B.A., Meredith College/M.Ed., Ph.D., U.N.C. at Chapel Hill.
- A. Lawrence Fincher** (1980), Lecturer and Vice Chancellor for Administration and Planning/B.S., Tennessee/M.S., Vanderbilt/Ph.D., Michigan.
- Martha B. Fitch** (1984), Lecturer and Director of Orientation/B.S., U.N.C. at Charlotte/M.S., State U. of New York.
- Terry Orman Ford** (1981), Lecturer/B.S., M.Ed., Austin Peay/Ed.D., Memphis State.
- Nancy Battle Foster** (1978), Lecturer/B.S., M.L.S., UNC-G.
- Marian Pope Franklin** (1959), Professor/B.A., B.M., St. Olaf College/M.S., Northwestern/Ed.D., U.N.C. at Chapel Hill.
- Bert Arthur Goldman** (1965), Professor and Dean of Academic Advising/B.A., Maryland/M.Ed., U.N.C. at Chapel Hill/Ed.D., Virginia.
- Walter H. Hagaman** (1970), Associate Professor and Director of Learning Resources Center/B.S., M.A., Appalachian State/Ed.D., Virginia.
- Marilyn Haring-Hidore** (1984), Acting Associate Dean/B.A., M.A., Ph.D., Arizona State.
- Richard Harwood** (1977), Lecturer and Director of Placement/B.A., Harvard/M.Ed., Ed.D., Virginia.
- Stephen R. Haulman** (1983), Lecturer and Assistant Director of Residence Life/B.S., Southwestern Louisiana at Lafayette/M.Ed., Ed.D., Florida.
- Shirley L. Haworth** (1975), Assistant Professor, Coordinator of Field Experience and Coordinator of Teacher Education/B.A., Guilford College/M.Ed., Ed.D., UNC-G.
- Robert W. Hites** (1975), Associate Professor and Director of Admissions/B.A., Mercer/M.A., Ph.D., Ohio State.
- Gerald G. Hodges** (1979), Assistant Professor/A.B., U.N.C. at Chapel Hill/M.S., Florida/M.L.S., Rutgers/Ph.D., Florida.
- Jon Gary Hoover** (1974), Associate Professor/B.S., SUNY at Oswego/M.A., SUNY at Buffalo/Ph.D., U.N.C. at Chapel Hill.
- Marleen B. Ingle** (1980), Lecturer and Director of Student Aid/B.A., College of Wooster/M.A., Syracuse.
- D. Michelle Irwin** (1978), Associate Professor and Associate Dean/B.A., Ph.D., Minnesota.
- Richard M. Jaeger** (1976), Professor/B.A., Pepperdine/M.A., Ph.D., Stanford.
- David H. Jonassen** (1976), Associate Professor/B.S., M.Ed., Delaware/Ed.D., Temple.
- Louis J. Karmel** (1970), Associate Professor/B.A., Roosevelt/Ph.D., U.N.C. at Chapel Hill.
- Daryle L. Lamb** (1984), Lecturer/B.A., Guilford College. Part-time, second semester 1984-85.
- Rita R. Ledford** (1985), Lecturer/B.S., Greensboro College/M.Ed., UNC-G. Part-time, second semester 1984-85.
- Ernest W. Lee** (1966), Associate Professor/B.S., Clemson/M.Ed., Ph.D., U.N.C. at Chapel Hill.
- Doris S. Melson** (1984), Lecturer/B.S., East Carolina/M.A., Appalachian State. Part-time, first semester 1984-85.
- R. Fritz Mengert** (1971), Assistant Professor/B.S., Ohio State/M.Ed., Kent State/Ph.D., Ohio State.
- Jane Tucker Mitchell** (1970), Associate Professor, School of Education and Department of Romance Languages/B.A., Mary Baldwin College/M.A., George Washington/Ph.D., U.N.C. at Chapel Hill.
- Richard L. Moore II** (1984), Associate Professor and Assistant Vice Chancellor for Academic Affairs/B.S., Eastern New Mexico/M.Ed., Ed.D., Memphis State.
- Linda M. Morris** (1984), Visiting Assistant Professor/B.A., High Point College/M.Ed., Ed.D., UNC-G. Part-time.
- William A. Mott** (1984), Lecturer/B.A., Mississippi at Oxford/M.L.S., Ph.D., George Peabody College. Part-time, first semester 1984-85.
- Roberta Lee Needham** (1984), Visiting Assistant Professor/B.A., M.A., New Mexico/Ed.D., UCLA. Part-time.
- Roland H. Nelson, Jr.** (1970), Professor/B.A., Duke/M.Ed., Virginia/Ed.D., Harvard.
- Robert M. O'Kane** (1967), Professor/B.A., New Hampshire/M.Ed., Vermont/Ed.D., Harvard.
- William L. Osborne** (1970), Associate Professor/B.S.Ed., Ohio State/M.Ed., Ohio/Ed.D., Western Michigan.
- Rita G. O'Sullivan** (1985), Visiting Assistant Professor/A.B., California at Berkeley/M.A., California Poly/Ed.D., Auburn. Part-time, second semester.
- Ginger E. Parnell** (1985), Lecturer/B.A., M.Ed., UNC-G. Part-time, second semester 1984-85.
- Margaret S. Parrott** (1970), Associate Professor/B.A., North Texas State/M.S. in L.S., U.N.C. at Chapel Hill.
- Cell H. Patterson** (1984), Visiting Distinguished Professor/A.B., Chicago/M.A., Ph.D., Minnesota. Part-time.
- Sandra Powers** (1973), Associate Professor/B.A., Richmond/M.A., Ph.D., Connecticut.
- Wanda C. Powers** (1976), Assistant Professor/B.A., M.Ed., Ed.D., UNC-G.
- William W. Purkey** (1976), Professor/B.S., M.Ed., Ed.D., Virginia.
- David E. Purpel** (1972), Professor/A.B., Tufts/M.A., Ed.D., Harvard.
- Donald Reichard** (1973), Adjunct Associate Professor and Director of Institutional Studies/A.B., Miami of Ohio/M.A., Kent State/Ph.D., Michigan State.
- Ruth S. Roland** (1984), Lecturer/A.B., U.N.C. at Chapel Hill/M.L.S., UNC-G. Part-time, first semester 1984-85.
- Alan R. Samuels** (1979), Assistant Professor/B.A., New York/M.S., Chicago/M.L.S., Pratt Institute/Ph.D., Rutgers.
- H. Svi Shapiro** (1979), Assistant Professor/B.S., London/M.S., Pennsylvania/Ed.D., Boston.
- Chiranjai Lai Sharma** (1963), Professor/B.A., Agra/M.A., Aligarh/Ph.D., Chicago/Ph.D., London.
- Lawrence Sklandanowski** (1983), Lecturer/B.A., Florida Atlantic/M.L.S., Pittsburgh. Part-time.
- Harold R. Snyder** (1984), Visiting Professor/B.S., Buffalo/M.S., Ithaca/Ed.D., SUNY.
- Nina Starr** (1980), Lecturer/B.A., M.Ed., UNC-G.
- Barbara D. Stoodt** (1977), Associate Professor/B.S., M.A., Ph.D., Ohio State.
- David B. Strahan** (1984), Assistant Professor/B.S., Oxford/M.Ed., Ohio/Ed.D., Cincinnati.
- Richard L. Thompson** (1984), Visiting Assistant Professor/B.A., Elon College/M.Ed., U.N.C. at Charlotte/Ed.D., UNC-G. Part-time.
- Carol Kehr Tittle** (1978), Professor/B.A., Colorado/M.A., Ohio State/Ph.D., Chicago.
- Robert T. Tomlinson** (1981), Lecturer and Director of



Residence Life/B.S., Indiana State/M.Ed., Ed.D., Mississippi State.

**E. Wayne Trogdon** (1984), Instructor/B.A., East Carolina/M.A., Ed.D., UNC-G. Part-time.

**Nicholas A Vacc** (1979), Professor/B.S., Western Reserve/M.S., Syracuse/Ed.D., SUNY at Albany.

**Ada L. Vallecorsa** (1980), Assistant Professor/B.S., M.Ed., California State College/Ph.D., Pittsburgh.

**Ronald S. VanBuren** (1984), Lecturer/B.A., M.S., Arizona State.

**John J. Van Hoose** (1983), Professor/B.S., M.A., Ohio State/Ed.D., Indiana.

**Richard H. Weller** (1971), Associate Professor/B.A., M.A.T., Ed.D., Harvard.

**Lois Winkel** (1984), Lecturer/A.B., Hunter/M.L.S., Pratt. Part-time, second semester 1984-85.

**Kieth C. Wright** (1980), Professor/B.A., Williamette/M.Div., Union Theological Seminary/M.L.S., Ph.D., Columbia.

The School of Education offers undergraduate courses leading to the Bachelor of Science degree in education. Concentrations are available in Early Childhood Education and in specific teaching areas in Intermediate Education.

The School of Education also supports programs in teacher education conducted under the auspices of other schools (music; dance, health, physical education; home economics; business) and departments within the College of Arts and Sciences by responding to course requirements in the areas of social, philosophical and psychological foundations, methodology and curriculum and student teaching.

At the graduate level, the School of Education has responsibility for planning and implementing programs at the master's level, certificate of advanced graduate study (6th year) level and doctoral level.

There are significant evidences of change in teacher education, both abroad and within the School of Education. The most significant evidence of change, and the most indicative of further changes, resides in a very strong faculty, representing outstanding professional educators of national and international status.

New designs of teacher education programs are emerging as a result of faculty inquiry, the needs of the profession and the stimuli of research in learning, teaching and curriculum. Recent emphases in competency-based curricula, individualized programming and some reform in UNC-G requirements for undergraduate degrees, all contribute to exciting possibilities for future reform in teacher education.

Graduate programs, too, have been placing increasing stress on individualization of programs, broadening the scope and depth of areas of study and offering an ever increasing level of sophistication in terms of resources (personnel and material) to assist professional educators in initial graduate study and in re-education for changing professional requirements.

The School of Education has sought and continues to seek realization of its goals as a professional school:

- To create new knowledge in professional education.
- To disseminate that knowledge.
- To apply research findings and engage in field services.
- To prepare practitioners.
- To study the profession.

## EDUCATION MAJOR (Bachelor of Science)

### Concentrations In

Early Childhood Education

Intermediate Education

Middle Grades Education (separate program)

Required: 124 to 128 semester hours.

The Bachelor of Science degree in education includes the course work necessary to receive a North Carolina teacher's certificate in Early Childhood Education (K-4), in Intermediate Education (Grades 4-6), or in Middle Grades Education (Grades 6-9).

The general aims of these programs are to introduce the prospective teacher in these fields to some basic concepts, knowledge and skills required of those who would teach. Particular emphases are given to studies in learning, curriculum, human development and the social, philosophical and psychological foundations supportive of the professional studies.

Transfer students in either Early Childhood, Intermediate Education, or Middle Grades Education may require more than four years to complete the program. Thus it is essential that they work closely with the Office of Academic Advising and their faculty advisers in planning their programs. Refer to the general discussion of Teacher Education on page 71.

### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One course in English composition or exemption.
2. Three courses from Humanities Area (H) including one course in literature.
3. Two courses from Natural Sciences & Mathematics Area (NSM).
4. Two courses from Social & Behavioral Sciences Area (SBS).
5. Four additional courses from any one, all or combination of the above areas.
6. Courses may be chosen from Natural Sciences and Mathematics and Social and Behavioral Sciences to satisfy the above requirements which will also fulfill certification requirements.

### Major Requirements

33-42 semester hours.

#### A. Elementary Education.

#### Required Education Courses:

1. EDU 201 (co-listed as CDF 302), 381.
2. Block semester: EDU 346, 430, 443, 444.
3. Student Teaching and Seminar: EDU 461 or 462.

#### Electives

(0-9 semester hours). Courses selected in consultation with the student's adviser.

#### Elementary Certification Requirements

1. PHY 305; CHE 306; MAT 301 and 302; physical



geography; a U.S. history course; a social science elective chosen from sociology, anthropology or political science; a biology course; a literature course; ART 363 (for which ART 190 is a prerequisite); MUS 361; PED 341; PSY 221; HEA 341. These courses should be completed before the block semester.

#### Concentrations:

- 1. Early Childhood Education (K-4)**—Eighteen semester hours of courses above the 100 level including the following: EDU 202, CDF 532, COM 596. Other appropriate courses will be chosen in consultation with the student's faculty adviser.
- 2. Intermediate Education (Grades 4-6)**—A minimum of 18 semester hours of approved courses in one of the following areas: English, history, social studies (anthropology, economics, geography, history, political science, sociology), mathematics, science [biology, chemistry, physics, earth science (in Geography Department)], foreign language and language arts.
- 3. Courses taken to satisfy general University requirements and/or certification requirements may not be used as part of the concentration.**

#### B. Middle Grades Education (grades 6-9)

Required Education Courses:

1. EDU 202, 346, 381, 430, 443, 450, 451-459.  
(Two courses in concentration areas), 470, 491  
(individualized practice).
2. Student teaching and seminar: EDU 462.

Electives:

(Six semester hours). Courses selected in consultation with the student's adviser.

Concentrations:

Students select two academic concentrations (15-18 semester hours each) from the following areas: communication skills, mathematics, science, social studies, foreign languages.

## Education-EDU/courses

### Courses for Undergraduates

- |     |   |     |  |
|-----|---|-----|--|
| 201 | <p><b>Human Development I (3:3).</b> An introduction to current knowledge about human growth and development from conception to adolescence. Designed to contribute to the student's general education as well as to subsequent professional development. Required for all elementary education majors, Early Childhood and Intermediate.</p> | 310 | <p><b>Helping Skills (3:3).</b> Skills useful for facilitating helping relationships. A practical model for counseling and learning about helping by practicing the helping skills. Pr. advanced undergraduates in appropriate major.</p>  |
| 202 | <p><b>Human Development II (3:3).</b> An introduction to current knowledge about human growth and development from adolescence to old age and death. Designed to contribute to the student's general education as well as to subsequent professional development. Required of Early Childhood Education majors.</p>                           | 346 | <p><b>Instructional Media for Children (3:2:2).</b> A multimedia approach to literature for children; functions and use in curriculum. Laboratory and clinical experiences required.</p>   |
| 210 | <p><b>Career/Life Planning (3:3).</b> Introduction to career/life planning; knowledge of career development theories and decision-making theories; emphasis on collecting information related to the world of work and relating this information to the individual.</p>   | 375 | <p><b>Philosophy of Education (3:3).</b> Philosophical questions related to education, such as what is education, how are the aims of education to be decided and what is knowledge, pursued in conjunction with classic historic readings in the philosophies of education and knowledge as well as selected contemporary reading. (H).</p>   |
|     |   | 381 | <p><b>The Institution of Education (3:3).</b> Historical background, purposes and concepts basic to public education; school as an expression of social and economic life, as a modifying influence on life, as an interpreter of ideologies, as an instrument for the transmission of culture; evolution, use and personal significance to teachers of the dominant American philosophy of education. Required of students seeking teacher certification.</p>   |
|     |   | 430 | <p><b>Psychological Foundations of Education (4:3:2).</b> Designed to develop an understanding of classroom learning and instruction and the role of the teacher in the elementary classroom. Required field experience in school settings provides students with the opportunity to observe classroom practice and to develop their own professional skills. The course emphasizes the organization and management of the classroom, provision for individual differences, and evaluation of instruction. It also provides an introduction to working with exceptional children in the regular classroom.</p> |
|     |   | 443 | <p><b>Teaching Practices and Curriculum in Reading and Other Language Arts (4:3:2).</b> Designed to develop skill in planning and in teaching reading, writing, listening and speaking in elementary school with emphasis on developmental reading. Consideration given to a variety of approaches to reading/language arts instruction with public school classroom observation and participation required. Offered spring semester only.</p>   |
|     |   | 444 | <p><b>Teaching Practices and Curriculum in Social Studies, Mathematics and Science (4:3:2).</b> Designed to develop competencies in curriculum construction and in teaching processes for social studies, mathematics and science in the elementary school. Offered spring semester only.</p>  |
|     |   | 450 | <p><b>Psychological Foundations of Education (3:3).</b> Designed to develop and demonstrate application of knowledges and understandings of the processes and methods of learning and teaching in respective school settings. Includes study of learner, his growth and maturation, individual differences and application of psychology to task of the teacher in evaluating pupil progress. Classroom observation and simulated experiences are emphasized. Appropriate emphasis on adolescent.</p>  |



- 451 Teaching Practices and Curriculum in English (3:3).** Designed to acquaint prospective teachers with modern concepts and practices of English instruction in secondary schools; emphasis on teaching four fundamental language arts: speaking, writing, reading and listening. Required of student teachers in English.
- 452 Teaching Practices and Curriculum in Romance Languages (3:3).** Effective techniques for teaching modern languages with an audio-lingual approach. Emphasis on materials, observations and practical aids to secondary teachers. Required of student teachers in Romance languages.
- 453 Teaching Practices and Curriculum in Social Studies (3:3).** Organization of social studies in secondary schools; classroom methods, techniques and activities; teaching materials; testing and evaluation. Required of student teachers in social studies.
- 457 Teaching Practices and Curriculum in Mathematics (3:3).** Special teaching problems in secondary mathematics. Teaching procedures for important topics discussed in relation to their foundations in mathematics and logic. Required of student teachers in mathematics.
- 459 Teaching Practices and Curriculum in Science (3:3).** Development of philosophy of science teaching and of attitudes and values relative to science teaching in secondary school. Emphasis on recent curriculum studies in biology, chemistry, physics and earth-science and the changing approaches to teaching these subjects. Required of student teachers in science.
- 461 Student Teaching and Seminar: Early Childhood (12).** Supervised student teaching in an early childhood setting (grades K-3) under the direction of a cooperating teacher with University supervision. Full-time teaching assignment in cooperating schools for a full semester. Conferences and seminars required. Pr. 346, 381, 430, 443, 444. Offered fall semester only.
- 462 Student Teaching and Seminar: Intermediate (12).** Supervised student teaching in an Intermediate setting (grades 4-9) under the direction of a cooperating teacher with University supervision. Full-time teaching assignment in cooperating schools for a full semester. Pr. 346, 381, 430, 443, 444. Offered fall semester only.
- 465 Student Teaching and Seminar (9).** Supervised student teaching in junior and senior high school under the direction of a University supervisor. Observation, participation and appropriate classroom teaching experience on a full-time teaching assignment for approximately one-half semester. Conferences and seminars required. Pr. 381, 450, 470 and methods course.
- 470 Reading Education for Secondary and Special Subject Teachers (2:2).** A course designed to prepare secondary and special subject teachers to deal with students who exhibit a variety of reading abilities. Emphasis will be placed upon understanding the scope of public school reading endeavors as well as teaching practices that can be generalized to a variety of instructional settings. Work with materials for the

student's major area will be required. Pr. admission to teacher education or consent of instructor.

- 491 Independent Study (1 to 4).** Guided readings, research or individual project work under direction of a staff member. Pr. approval of instructor.
- 493-494 Honors Work (3:3)-(3:3).**

## Courses for Advanced Undergraduates and Graduates

Students taking graduate courses or pursuing a graduate degree program should consult the catalog and official announcements of the Graduate School of The University of North Carolina at Greensboro.

- 501 Statistical Methods In Education (3:3).** An introductory course in applied descriptive statistics, correlational methods, and linear regression which will provide a conceptual and theoretical foundation for more advanced work and a thorough grounding in computational procedures and interpretation of results. Pr. elementary algebra.
- 502 Intermediate Statistical Methods in Education (3:3).** A course in applied inferential statistics which will provide a conceptual foundation in applied probability, methods of estimation, hypothesis testing and elementary analyses of variance. Concept learning, applications, computer analysis and computational algorithms are stressed. Pr. 501 or equivalent.
- 505 Counseling and Guidance of Special Populations (3:3).** Examination of substantive and theoretical issues concerning counseling/guidance or special populations. In a given semester, focuses on either (a) intellectually talented; or (b) women entering or re-entering education or the work force. Pr. 310 or equivalent, graduate standing, or permission of instructor.
- 506 Institutes in Education (1 to 3).** Practicum or workshop experiences to focus on issues, problems or approaches in the profession. Students may apply no more than three (3) hours of this course to any degree program and will receive "S" or "U" credit only.
- 510 Survey of Adult Education (3:3).** Survey of concepts and history of the professional field of adult education and affiliated fields. Examination of the role of the influencer or teacher of adults within today's context of accelerating cultural change.
- 515 Curriculum Planning (3:3).** Principles and processes of curriculum planning. Particular emphasis given to strategies of curriculum planning, bases and procedures, forces and determinants, professional personnel involvement, curriculum evaluation and curriculum differentiation for individual learners. Pr. graduate standing in education or permission of instructor.
- 517 Reading in the Elementary School (3:3).** Designed to give teachers study in depth of the reading process as a functional aspect of curriculum. Newer media,



techniques and practices examined and evaluated. Student required to do independent study of one area of the reading program as related to the specific teaching situation. Pr. 443 or equivalent or permission of instructor.

- 518 Mathematics in the Elementary School (3:3).** Current mathematics program, including emphasis on meaning theory and on instructional materials, methods and procedures in teaching fundamental operations.
- 519 Science in the Elementary School (3:3).** Emphasis focused on helping teachers to assist children in developing experiences for working in the field of science. Consideration given to an understanding of nature of field of elementary school science, developing criteria for selecting appropriate materials and role of children's interests in designing learning experiences.
- 520 Social Studies in the Elementary School (3:3).** Designed to help educators gain more complete understanding of elementary school social studies. Special emphasis given to evaluation of the field beginning with the separate subjects approach, to correlation, to broad fields, to integration and separate disciplines approach. Emphasis also given to identification to key skills that help children function intelligently in this field. The development of democratic citizens is also a major consideration.
- 521 Curriculum and Teaching of the Language Arts in the Elementary School (3:3).** A study of the language arts curriculum. Some consideration given to the implementation of research for classroom instruction. Attention to recent developments in the use of media, instructional techniques, and materials for instruction.
- 522 Diagnosing Learning Difficulties in Elementary and Junior High School (3:3).** Procedures and techniques in the diagnosis of learning problems. Emphasis is placed on assessment procedures related to learning processes. Practical application is stressed through contact with school age children.
- 523 Bilingual-Bicultural Education (3:3).** Legal and historical background of bilingual education in United States. Development and selection of materials, assessment of evaluation instruments and techniques for integrating limited-English speakers into school and society. Pr. consent of instructor.
- 540 Introduction to Exceptional Individuals (3:3).** An introductory course designed to survey the field of exceptional children. Major attention is focused on characteristics of the exceptional child. Pr. PSY 221 and 426 or equivalent and consent of instructor. May not be taken by students who have credit for PSY 502.
- 541 Methods of Teaching and Intervention in Special Education (3:3).** The development of instructional procedures for exceptional children with emphasis on the full range of educational interventions appropriate for the exceptional child, classrooms and programs. For special education majors. Pr. consent of instructor.
- 542 Methods of Teaching and Intervention in Special Education (3:3).** A continuation of 541. Methods appropriate to the education of mentally

handicapped, emotionally handicapped and learning disabled children in resource rooms, special classes and regular classrooms. For special education majors. Pr. 541 and consent of instructor.

- 544 Psychology of Children with Special Educational Needs (3:3).** Intended for those concerned with the education of children with handicapping conditions in the regular classroom. Understanding individual differences among pupils and making decisions about classroom instruction and organization; supporting and directing children with special needs; working with special and pupil personnel workers in the schools. Pr. teaching experience, enrollment in a teacher preparation program or consent of instructor.
- 550 Education of the Gifted and Talented (3:3).** Definition and identification of mentally gifted and highly talented children. The role of the school, the parent and community in nurturing and educating these children. Demonstration and evaluation of identification and instructional procedures.
- 569 Implications of Learning and Developmental Principles for Instruction (3:3).** An examination of learning and developmental principles and the implications for teaching and curriculum development. Pr. 430, 450 or consent of instructor.
- 574 Topics in Counseling and Guidance (3:3).** A course designed to study issues, problems and new approaches in helping relationships. Emphasis is placed on current topic(s) of interest.
- 576 Counseling and Guidance with Children (3:3).** The functions, relationships, organizations and administration of counseling and guidance with children. Professional development in relation to counseling and guidance problems with children. Pr. or co. 610 or permission of instructor.
- 579 Student Development in Higher Education (3:3).** A study of student development services. Areas such as admissions, orientation, career counseling, academic advising, student activities, housing and financial aid are reviewed. Pr. permission of instructor.
- 588 Fundamentals of Educational Administration (3:3).** Introductory course emphasizing fundamentals of educational administration. Stresses behavioral performance under simulated conditions. Case studies, simulations, "in-basket" method and role-playing in a laboratory approach used. Intended primarily for entering prospective students of educational administration and other in-service educators.
- 593 Methods of Educational Research (3:3).** Techniques and uses of research in education. Some basic elements of statistics, including practice in designing research projects.

## ○ Courses for Graduates

- 600 The Community College (3:3).**  
**601 Higher Education in the United States (3:3).**  
**602 Curriculum in Higher Education (3:3).**  
**603 The American College Student (3:3).**



- 604 Moral and Ethical Dimensions of the Educational Decision-Maker (3:3).
- 605 Developmental Psycholinguistics (3:3).
- 606 Administration of Higher Education (3:3).
- 607 Models of Instruction in Adult and Higher Education (3:3).
- 608 Seminar in Early Childhood Education (3:3).
- 609 Epistemology and Education (3:3).
- 610 Helping Relationships (3:3).
- 617a Diagnosis and Correction of Reading Problems (3).
- 617b Advanced Strategies in Diagnosis and Correction of Reading Problems (3).
- 618 Corrective Reading in Middle and Secondary Schools (3:3).
- 619 Research and Programs in Reading Education (3:3).
- 620 Counseling Theories and Practice (3:3).
- 622 Diagnostic Teaching (3:3).
- 624 Elementary School Curriculum and Instruction (3:3).
- 628 Seminar in Elementary Education (3:3).
- 630 Trends in Teaching Practices and Curriculum in Secondary School Mathematics (3:3).
- 631 Trends in Teaching Practices and Curriculum in Secondary School Social Studies (3:3).
- 632 Trends in Teaching Practices and Curriculum in Secondary School Science (3:3).
- 633 Trends in Teaching Practices and Curriculum in Secondary School Foreign Languages (3:3).
- 635 Reading in the Secondary School (3:3).
- 637 Trends in Teaching Practices and Curriculum in Secondary School English (3:3).
- 638a,b Seminar in Secondary Education (3:3), (3:3).
- 639 Global Education In the Curriculum (3:3).
- 640 Research Practicum in Counseling and Personnel Services (3:3).
- 641 Assessment in Special Education (4:3:3).
- 642 Evaluation of Educational Programs (3:3).
- 644 Supervised Practicum In Curriculum and Teaching (3 to 6).
- 645 Advanced Seminar in Exceptional Children (3:3).
- 646 Problems in Program Development, Evaluation and Research for Exceptional Children (3:3).
- 647a Introduction to Consultation in Education (3:3).
- 647b Consultation In Counselor Education: Theory and Process (3:3).
- 648 The Functions and Organization of Pupil Personnel Services (3:3).
- 649a,b Practicum in Special Education — Gifted and Talented (3:3), (3:3).
- 649c,d Practicum in Special Education — Cross Categorical (3:3), (3:3).
- 650 Techniques of Group Counseling (3:3).
- 651 Advanced Seminar In the Education of the Gifted and Talented (3:3).
- 652 Organizational and Instructional Patterns in Education of the Gifted and Talented (3:3).
- 654 Teaching Models and the Analysis of Instruction (3).
- 655 Supervision of Instruction (3).
- 656 Advanced Counseling Theory and Practice (3:3).
- 658 Planning of Educational Facilities (3:3).
- 659 Educational Finance (3:3).
- 660 The School Principalship (3:3).
- 661 Ethics and Education (3:3).
- 662 Power, Politics and Schools (3:3).
- 665 Seminar in Professional School Psychology (3:3).
- 667 Foundations of Educational Measurement Theory (3:3).
- 668 Survey Research Methods In Education (3:3).
- 669 Career Development (3:3).
- 670 Educational Measurement and Evaluation (3:3).
- 671 Understanding and Counseling Adolescents (3:3).
- 672 Theory and Practice of Individual Intelligence Testing (4:3:4).
- 673 Group Applications (3:3).
- 674 Career Counseling (3:3).
- 675 Internship In School Psychology (1 to 6).
- 676 Organization and Administration of Student Development Services (3:3).
- 677 School Certification (3:3).
- 678 Professional Orientation (3:3).
- 679 History of Education in the United States (3:3).
- 680a,b Internship (3:3), (3:3).
- 681 Design and Analysis of Educational Experiments (3:3).
- 682 Application of Measurement and Clinical Appraisal Techniques (3:3).
- 683 School Public Relations (3:3).
- 684 Studies of Leadership — A Biographic Approach (3).
- 685 Supervision: Theory and Concepts (3:3).
- 686 Curriculum Theory (3:3).
- 687 Public School Law (3:3).
- 688 Contemporary Problems Seminar (1 to 3).
- 689 Seminar in Leadership Development (6).
- 690 Supervised Practicum In School Administration (3).
- 691 Principles of Educational Administration (3:3).
- 692 Independent Study (1 to 4).
- 693 Seminar in Advanced Research Methods (3:3).
- 694 Organization and Governance of Public Education (3:3).
- 695 Comparative Education (3:3).
- 696 Philosophies In Education (3:3).
- 697 Selected Critical Issues In American Education (3:3).
- 698 Human Development (3:3).
- 699 Theses (3 to 6).
- 721 Social and Cultural Change and Education (3:3).
- 730 Practicum In Educational Research and Evaluation (3).
- 750 Advanced Seminar In School Law Research (3:3).
- 751 Concepts and Cases in Educational Administration (3:3).
- 752 Theories In Educational Administration (3:3).



- 760 **Seminar: Consultation in Human Service Settings (3:3).**
- 777a,b **Seminar in Counseling (3:3), (3:3).**
- 780a,b,c **Advanced Internship (3 to 9).**
- 781a,b **Counseling Internship Supervision (1 to 6).**
- 799 **Dissertation (12).**
- 800 **Graduate Registration.**
- 801 **Graduate Registration.**

## Library Science/ Educational Technology-LST/courses

### Courses for Advanced Undergraduates and Graduates

- 506 **Institutes in Librarianship and Educational Technology (1 to 3).** Special institutes to study issues, problems and/or new approaches to librarianship and educational technology. Grade: Satisfactory/Unsatisfactory, S/U.
- 547 **Introduction to Instructional Media (3:3).** Introductory course in educational technology, using individualized means to develop basic skills in utilization, design and production of instructional resources.
- 548 **Sound/Slide Design and Production (1:1:1).** Design and production of sound/slide program for the single and multi-screen. Includes instruction in graphic and photographic slides and sound mixing. Pr. 547 or permission of instructor; to be taken in conjunction with 554, 556. Not open to Communication/Theatre majors.
- 554 **Materials for Adolescents (3:3).** Survey of library materials especially appropriate for young adult age groups, study of selection aids and criteria, and investigation of reading interests.
- 556 **Materials for Children (3:3).** Survey of library materials for early childhood and elementary school levels, study of aids and criteria for selection, and investigation of reading interests.
- 557 **Reference Sources and Methods (3:3).** Selection, evaluation and use of basic reference sources; emphasis on contents study, search strategies, question negotiation and current problems in the provision of information service in libraries.
- 562 **Design and Production of Audiovisual Materials (3:3).** Advanced test design, design and production of informational materials, including sound mixing and multi-image. Design principles are related to current theories of instructional communications and psychology. Pr. 547.
- 580 **Introduction to Educational/Library Applications of Microcomputers (1:1:1).** A 15-contact hour self-instructional computer literacy experience to provide beginners with microcomputer experience, illustrate applications, and introduce other microcomputer
- courses. Prerequisite for other courses in the microcomputer applications area.
- 581 **Selection/Evaluation of Microcomputer Courseware (1:1:1).** Identify sources and types of courseware and reviews; examine and apply criteria for evaluating and selecting different types of instructional software in various disciplines by running courseware on the microcomputer. Pr. 580 or permission of instructor.
- 582 **Educational Applications of BASIC (2:2:1).** An introduction to writing instructional programs in BASIC on school-based microcomputers. Pr. 580 or permission of instructor.
- 583 **Designing Computer Assisted Instruction for Microcomputers (1:1:1).** Apply principles of instructional design, instructional management, and screen design to producing instructional courseware. Pr. 582 or 584 or permission of instructor.
- 584 **Using Authoring Systems to Create Courseware (1:1:1)** Use high level, authoring language systems, to create instructional courseware. No prior knowledge or computer languages required. Pr. 580 or permission of instructor.
- 585 **Information Retrieval in Libraries and Education (1:1:1).** To become acquainted with the variety of on-line databases available, with emphasis on educational and library applications. Develop search strategies and conduct an on-line database search using a microcomputer. Pr. 580 or permission of instructor.
- 586 **Logo: Logic and Applications (1:1:1).** Use the language and logic of logo to explore fundamental computing concepts and powerful ideas about learning in elementary/intermediate students by creating graphics with the turtle and manipulating lists. Pr. 580 or permission of instructor.
- 587 **Microcomputer Managed Instruction (1:1:1).** Analysis and utilization of computer managed instruction systems, including test generation, placement, prescription, and management of tutorial instruction. Pr. 582, 583, or permission of instructor.
- 590 **Library/Media Center Applications of Microcomputers (1:1:1).** Review of the applications of microcomputers to libraries and media centers (such as acquisition, bibliographies, cataloging, circulation, information management) and the provision of computer-related services. Pr. 580 or permission of instructor.
- 591 **School Administrative Applications of Microcomputers (1:1:1).** Introduction to school administrative applications of microcomputers, including attendance, scheduling, record keeping, budgeting, instructional planning.
- 594 **Educational/Library Applications of Data Base Management Systems (1:1:1).** Introduction to the types and library/educational applications of microcomputer-based database management systems with hands-on experience in storing/manipulating information. Pr. 580 or permission of instructor.
- 595 **Word Processing for Educators and Librarians (1:1:1).** Introduction to word processing systems for text editing and production with emphasis on educational and library applications. Pr. 580 or permission of instructor.



- 599 **Independent Study in Microcomputer Applications (1 to 2).** Opportunity to independently explore microcomputer applications, with emphasis on developing systems, processes, or programs. Pr. permission of instructor.

## Courses for Graduates

- 600a **Foundations of Librarianship (3:3).**  
 600b **Problems and Issues in Librarianship (3:3).**  
 601 **Practicum (1 to 6).**  
 608 **Independent Study (1 to 4).**  
 610 **Bibliography and Literature of the Social Sciences (3:3).**  
 611 **Bibliography and Literature of the Humanities (3:3).**  
 612 **Bibliography and Literature of Science and Technology (3:3).**  
 614 **Public Documents (3:3).**  
 615 **Building Library Collections (3:3).**  
 627 **Photography in Education (3:3).**  
 628 **Instructional Television (3:3).**  
 640 **Organizing Library Collections (3:3).**  
 645 **Introduction to Library Automation and Information Science (3:3:2).**  
 646 **Indexing and Abstracting (3:3).**  
 650 **Administration of Library Programs (3:3).**  
 652 **Advanced Library Administration Seminar (3).**  
 653 **The School Library Program (3:3).**  
 654 **The Learning Resource Center in the Community College (3:3).**  
 655 **The Public Library (3:3).**  
 656 **The Academic Library (3:3).**  
 657 **The Special Library (3:3).**  
 658 **Planning and Evaluation of Library Services (3:3).**  
 670 **Theories in Instructional Communications (3:3).**  
 672 **Instructional Design (3:3).**  
 676 **Reading Interests and Guidance (3:3).**  
 688 **Seminar in Selected Topics (1 to 4).**  
 800 **Graduate Registration.**  
 801 **Graduate Registration.**

## Elementary Teacher Education

**Certification — See Education.**

## Engineering — Preprofessional Program

Advisers: C.H. Vanselow, Associate Professor, Department of Chemistry/318 Petty Science Bldg. or Robert B. Muir, Associate Professor, Department of Physics/109B Petty Science Bldg.

A two-year pre-engineering curriculum is offered. This curriculum is planned for students who transfer to other institutions offering engineering programs. The pre-engineering program has been approved by the

Subcommittee on Engineering Transfer for transfer to the engineering programs at North Carolina A & T State University, North Carolina State University, and The University of North Carolina at Charlotte. Students interested in engineering should contact one of the above advisers as soon as possible, especially those who cannot take Mathematics 191 their first semester.

### Freshman Year 1st Semester

Courses	Semester Hours
ENG 101 or exemption .....	3
CHE 111, 111L .....	4
MAT 119 or 191 .....	3
WCV 101 or elective .....	3
Elective* .....	3
Physical Education .....	<u>1</u>
	17

### 2nd Semester

ENG 102 or exemption .....	3
CHE 114, 114L .....	4
MAT 191, 121 or 292 .....	3
MAT 220 .....	3
Elective* .....	3
Physical Education .....	<u>1</u>
	17

### Sophomore Year 1st Semester

PHY 291 .....	4
MAT 292 or 293 .....	3
ART 222 .....	2
ECO 201 or elective .....	3
CSC 137 .....	3
Physical Education .....	<u>1</u>
	16

### 2nd Semester

PHY 292 .....	4
MAT 293 or elective .....	3
Electives* .....	6-9
Physical Education .....	<u>1</u>
	14-17

\*Recommended electives include one or more of the following: a beginning course in literature, history (200 level), history or philosophy of science, or communications (COM 101, 105 or 106.)

## ENGLISH — Department of

(132-A McIver Bldg./College of Arts and Science)

**Robert O. Stephens** (1961), Professor and Chairman of the Department/B.A., Texas A. and I./M.A., Ph.D., Texas.

**Wayne C. Anderson** (1982), Assistant Professor/B.A., Gonzaga/M.A., Ph.D., Washington.

**Murray D. Arndt** (1968), Assistant Professor and Director, Residential College/B.A., M.A., Catholic/Ph.D., Duke.

**Denise N. Baker** (1975), Associate Professor/B.A., Michigan/M.A., California at Santa Barbara/Ph.D., Virginia.

**Walter H. Beale** (1971), Professor and Director of



Composition/B.A., Wake Forest/M.A., Ph.D., Michigan.

**Jane McCaskey Beatty** (1975), Lecturer/B.A., Marshall/M.A., U.N.C. at Chapel Hill. Part-time, first semester 1984-85.

**James H. Bowman** (1984), Lecturer/B.A., M.A., UNC-G. Part-time, first semester 1984-85.

**Jeutonne P. Brewer** (1973), Associate Professor and Assistant Dean, College of Arts and Sciences/B.A., Harding College/M.A., Ph.D., U.N.C. at Chapel Hill.

**Jeff D. Bryant** (1981), Lecturer/B.A., Austin College/M.F.A., UNC-G. Part-time, first semester 1984-85.

**Jean Ruth Buchert** (1957), Professor/B.A., M.A., Missouri/Ph.D., Yale.

**Randolph McGuire Bulgin** (1964), Associate Professor/B.A., Davidson College/Ph.D., Princeton.

**Fred Davis Chappell** (1964), Professor/B.A., M.A., Duke.

**Amy Marie Charles** (1956), Professor/B.A., Westminster College/M.A., Ph.D., Pennsylvania. Deceased 3-24-85.

**James L. Clark** (1979), Lecturer/B.A., Florida State/M.Div., Duke/M.F.A., UNC-G.

**Elizabeth C. Crabtree** (1982), Lecturer/B.A., M.Ed., UNC-G. Part-time.

**Kelth Cushman** (1976), Professor and Director, Honors Program/B.A., Harvard/Ph.D., Princeton.

**Donald G. Darnell** (1964), Professor/B.S., Texas Technological/M.A., Oklahoma/Ph.D., Texas.

**Charles E. Davis** (1969), Associate Professor/B.A., Davidson College/M.A., Ph.D., Emory.

**Arthur W. Dixon** (1984), Adjunct Associate Professor/B.A., U.N.C. at Chapel Hill/Ph.D., Yale. Second semester 1984-85.

**James Nelson Eills** (1963), Professor/B.A., M.A., Oklahoma/Ph.D., Texas.

**James E. Evans** (1971), Associate Professor and Director of Graduate Studies in English/B.A., U.N.C. at Chapel Hill/M.A., Ph.D., Pennsylvania. Leave of absence, first semester 1984-85.

**Mary E. Gibson** (1978), Assistant Professor/B.A., U.N.C. at Chapel Hill/M.A., Ph.D., Chicago.

**Lorelei H. Goode** (1980), Lecturer/B.A., College of St. Catherine/M.A., Minnesota. Part-time, first semester 1984-85.

**Kelley E. Griffith Jr.** (1968), Associate Professor/B.A., Wake Forest/M.A., Ph.D., Pennsylvania.

**Alfred T. Hamilton Jr.** (1976), Lecturer/B.A., U.N.C. at Chapel Hill/M.A., Syracuse. Part-time.

**Robert L. Kelly** (1968), Associate Professor/B.A., St. Benedict's College/M.A., Kansas/Ph.D., Oregon.

**Henry Tompkins Kirby-Smith Jr.** (1967), Associate Professor/B.A., University of the South/M.A., Harvard. Leave of absence, first semester 1984-85.

**William G. Lane** (1969), Professor/B.A., Furman/M.A., Ph.D., Harvard.

**Steven J. Lautermilch** (1973), Associate Professor/B.A., John Carroll/M.A., Ohio/Ph.D., Michigan.

**Karen L. Meyers** (1984), Lecturer/B.A., Douglas College/M.A., UNC-G.

**Ralph Gerald Nelms** (1984), Lecturer/B.A., M.F.A., UNC-G. Part-time, first semester 1984-85.

**Jo Jane Pitt** (1984), Lecturer/B.A., M.F.A., UNC-G. Part-time.

**Joseph Rosenblum** (1980), Lecturer/B.A., Connecticut/M.A., Ph.D., Duke. Part-time.

**Irwin W. Smallwood, Jr.** (1974), Lecturer/B.A., U.N.C. at Chapel Hill. Part-time 1984-85.

**Christopher Spencer** (1970), Professor/B.A., Princeton/M.A., Ph.D., Yale.

**Charles P.R. Tisdale** (1967), Associate Professor/B.A., University of the South/M.A., Ph.D., Princeton.

**William M. Tucker** (1969), Assistant Professor/B.A., Wofford College/M.A., Vanderbilt.

**Marilyn T. Tyler** (1980), Lecturer/B.A., Concordia Teachers College/M.A., Lutheran School of Theology at Chicago/M.A., UNC-G.

**Robert Winthrop Watson** (1953), Professor/B.A., Williams College/M.A., Ph.D., Johns Hopkins.

**Craig H. White** (1979), Lecturer/B.A., U.N.C. at Chapel Hill/M.A., Appalachian State. Part-time.

**Laurie L. White** (1985), Lecturer/B.A., U.N.C. at Chapel Hill/M.A., UNC-G. Part-time, second semester 1984-85.

**John T. York** (1984), Lecturer/B.A., Wake Forest/M.A.T., Duke/M.F.A., UNC-G. Part-time, first semester 1984-85.

**Lela A. Zacharias** (1975), Associate Professor and Coordinator of Creative Writing Program/B.A., Indiana/M.A., Hollins College/M.F.A., Arkansas.

The Department of English provides courses in English composition, in major authors, in all major literary periods, in literary criticism, in linguistics and rhetoric, in journalism, and in writing of fiction and poetry. Senior-graduate courses are available to advanced students, and the graduate program offering the full range of literary study permits students to pursue work leading to the M.A., M.Ed. and Ph.D. The unusually fine writing program offers work to both undergraduates seeking the B.A. degree and to graduate students seeking the M.F.A. degree. In addition, the Department of English and the School of Education jointly offer the Certificate of Advanced Study in English Education, a sixth-year program for teachers.

## ENGLISH MAJOR (Bachelor of Arts)

Required: 122 semester hours.

**The English Major** participates in a diversified program. After course work that provides an increasingly intensified study of language and literature, English and American and, if he chooses, foreign literature in translation, the English major upon graduation is unusually well qualified to enter any field that does not require previous technical and professional training.

Many students will seek certification to teach, and others will choose to enter graduate schools. English has long been recognized as a desirable major for pre-law and premedical students. It is advocated as a major for students who wish to enter such fields, among many others, as journalism, editing, communications, advertising and personnel work.

Members of the English faculty are available to advise students about career opportunities and to refer them to further information that may be of help.

## Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in Western Civilization (6 semester hours) and the three General



Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

### Major Requirements

English majors have wide choice among the courses offered in fulfilling the minimum of 27 hours of English above the 100 level. Each student will need to meet requirements in the following areas:

1. ENG 211, 212, 251 (213 and 252 are optional). These requirements are intended to afford students an overview of English and American literature that will give perspective and the means of more capably choosing courses. The survey courses should be taken in the sophomore and junior years, in chronological sequence and not concurrently.
2. One course in language (ENG 260, 321, 513) or criticism (549, 551) or creative or expository writing (219, 221-226, 227, 319, 320, 322, 325, 326).
3. Four courses in literature: Two courses in major authors or genres, one before 1800, one after. Two courses in literary movements or period surveys, one before 1800, one after.
4. One additional course from either 2 or 3 above. Of the 27 hours required, 6 hours must be in courses at the 500 level. Only one course in Shakespeare may be used for the minimum requirements and applied to either 3 or 4 above.

Note: ENG 321 and 322 are required for **teacher certification**. ENG 339 and 340 are strongly recommended for prospective teachers and for students intending to enter graduate programs. See Teacher Education Chapter for additional certification requirements.

### Related Area Requirements

Students are advised to limit the number of courses in English taken each semester, except the block semester, to allow a portion of the 27-36 hours in the major for each semester after the freshman year. Ordinarily no student should take more than 9 hours in English in any one semester. Students are urged to take cognate courses at the optimum time; for example, students enrolled in ENG 211, 212, would be well advised to enroll also for HIS 273, 274, and to take a year of American history with ENG 251, 252. While no cognate courses are required for the English major, students would be well advised to consider work in such closely allied areas as foreign language and literature in translation, classical civilization (especially CCI 205), history, philosophy, communications, anthropology and music or art appreciation.

### Electives

Electives sufficient to complete total semester hours required for degree.

### English Minor

(ENG 101 and 102 satisfy the College composition requirement and do **not**, therefore, count as part of the hours for an English minor or major.)

English minors have wide choice among courses offered in fulfilling the minimum of 18 hours in English. They are urged, however, to report to the departmental faculty adviser as early as possible for help in planning a program.

1. Any **two** courses, to be chosen by the student, from among the following ENG 201, 202, 211, 212, 213, 251, 252.
2. No more than six hours at the 100 level (but see head note, above); and at least six hours at the 300 level or above.

## English-ENG/courses

### Courses for Undergraduates

- 100 Basic Writing (3:3).** Instruction and practice in basic writing skills, in preparation for 101. Admission to the course is by advice of the Director of Composition, on the basis of SAT scores and placement testing. Does not fulfill the University writing requirement. Credit does not apply toward graduation. Beale and staff.
- 101, 102 English Composition (3:3), (3:3).** Designed to develop ability to read with discrimination and to write effectively. First semester: practice in expository writing; study of essays. Second semester: continued practice in writing exposition; practice in use of source materials. Beale and staff. (EC), (CLRD).
- 103 English as a Second/Foreign Language (3:3).** Emphasis on the active use of language skills: speaking, listening, reading, writing. Restricted to students whose first language is not English. Does not satisfy the University composition requirement. Brewer and staff.
- 104 Approach to Literature (3:3).** The humanist tradition in literature. Reading and discussion of fiction, poetry, and drama with an emphasis on a variety of major themes and their relevance to contemporary life. Tucker and staff. (H).
- 105 Approach to Fiction (3:3).** Reading and analysis of representative American and English novels and short stories, including the contemporary. Introduction to critical concepts and evaluation of fiction. Tucker and staff. (H).
- 106 Approach to Poetry (3:3).** Close reading and analysis of poetry; introduction to critical concepts and vocabulary useful in the study and appreciation of poetry. Tucker and staff. (H).
- 107 Approach to Drama (3:3).** Close reading and analysis of world drama from ancient Greeks to present, with emphasis on works of modern playwrights. Introduction to critical concepts and vocabulary useful in the study of drama. Tucker and staff. (H).
- 201 European Literary Masterpieces (3:3).** Extensive reading of complete works in translation: Homer, Dante, Erasmus, Montaigne, Cervantes and others. Buchert, Tisdale. (H).
- 202 European Literary Masterpieces (3:3).** Extensive reading of complete works in translation: Moliere, Goethe, Dostoevsky, Tolstoy, Kafka and others. Buchert, Tisdale. (H).



- 211 English Masters: Medieval and Renaissance (3:3).** Major poets and dramatists read within the context of their times: Chaucer, Spenser, Shakespeare, Milton and others. Tucker and staff. (H), (CLIT).
- 212 English Masters: Neoclassical to Modern (3:3).** Major authors of the Augustan, Romantic and Victorian periods studied in relation to their times and traditions: Pope, Swift, Wordsworth, Tennyson and others. Tucker and staff. (H), (CLIT).
- 213 Modern English Masters (3:3).** Major poets, dramatists, novelists, critics as they reflect public and private concerns in the twentieth century: Yeats, Joyce, Conrad, Shaw, Eliot and others. Tucker and staff. (H), (CLIT).
- 219 Journalism I, Fundamentals of Newswriting (3:3).** Introduction to newspaper journalism. Emphasis on basic newswriting and reporting. Combines writing laboratory and lecture. Clark, Gibson, Hamilton.
- 221, 222 Writing of Poetry (3:3), (3:3).** An introductory workshop in writing poetry for students beyond the freshman year. Kirby-Smith, Tisdale.
- 223, 224 Writing of Essays (3:3), (3:3).** Writing of expository and critical prose for students beyond the freshman year. Anderson, Baker, Evans, Kirby-Smith, Lautermilch, Tucker. (EC).
- 225, 226 Writing of Fiction (3:3), (3:3).** An introductory workshop in writing fiction for students beyond the freshman year. Clark, Watson, Zacharias.
- 227 Writing in the Professions (3:3).** Instruction and practice in the principal types, organizational principles, and styles of writing in a variety of professional settings, including businesses, government agencies, and public service agencies. Pr. University composition requirement must already have been met. Anderson, Clark.
- 235 Science Fiction (3:3).** Historical and critical study of science fiction in the twentieth century. Chappell. (H).
- 236 Genre Fiction (3:3).** Selected writers from a popular kind (genre) of fiction, such as horror, spy, crime, fantasy, sports. Topic to vary. Chappell, Griffith.
- 241 Themes in Literature (3:3).** Study of a major theme in literature and of general interest to all undergraduates. Through a variety of sources, mainly literature, but including art, film, history and music, the class will explore the dimensions and complexities of the theme. May be repeated for credit when theme varies. (H).
- 251 American Masters (3:3).** Classic authors and their contributions to the intellectual life of America: Hawthorne, Melville, Poe, Whitman and others. Griffith and staff. (H), (CLIT).
- 252 Modern American Masters (3:3).** Late nineteenth and twentieth century authors and their contributions to the development of modern thought: Twain, Frost, Faulkner, Hemingway and others. Griffith and staff. (H), (CLIT).
- 260 Introduction to the English Language (3:3).** Relationship between the English language as a system and individual uses of the language—both literary and nonliterary. Basic techniques for describing language, basic theories about language and introduction to the structure and history of English. Rhetoric and literature as different types of performance in language. Some practical emphasis on analysis of poetry and the language of politics and advertising. Anderson, Beale, Brewer.
- 261 Dialects of American English (3:3).** Consideration of the historical, geographical and social factors which have influenced the varieties of modern American English, the methodology of dialect study and the representation of dialects in American literature. Brewer. (H).
- 302 Writing for the Screen (3:3).** Study of the techniques of script writing, both adaptations and original material. Pr. 330 or COM 171 or permission of instructor. Same as COM 302.
- 319 Journalism II: Editing the Newspaper (3:3).** Values and practices in newspaper editing. Emphasis on ethics, editing skills, newspaper design, and writing editorials. Pr. 219 or permission of instructor. Gibson, Smallwood.
- 320 Feature Writing and Reviewing (3:3).** A writing workshop: values and journalistic practices in writing feature articles and reviews; includes book reviewing and critical writing on other arts. Pr. 219 or permission of instructor. Gibson.
- 321 Modern Grammar (3:3).** An introduction to formal study of the English language, including an intensive review of structural and transformational grammars. Other topics of interest to teachers of English, including geographical and social dialects and teaching composition. This course satisfies a state requirement for prospective English teachers. Beale, Brewer.
- 322 Principles of Composition (3:3).** The principles of written disclosure with a survey of the techniques of teaching composition. Instruction in composing, editing and criticizing written discourse. Pr. University composition requirements must already have been met. For students seeking certification in English, it is recommended that 321 be taken first. Anderson, Beale.
- 324 Practicum: Tutoring Writing (1:1:3).** Training and experience in teaching writing in individualized or small group tutorial sessions in the department's writing laboratory. Pr. 321, 322, or permission of instructor.
- 325 Writing—Intermediate: Fiction (3:3).** Student fiction is discussed in class and individual conferences. Parallel reading and discussion of works by contemporary novelists and short-story writers. Pr. permission of instructor. Chappell, Zacharias.
- 326 Writing—Intermediate: Poetry (3:3).** Student poetry discussed in class and individual conferences. Parallel reading and discussion of works by contemporary poets. Pr. permission of instructor. Kirby-Smith, Watson.
- 329 Literature and Film (3:3).** Selected short stories, novels, plays, film scripts and their film versions, with emphasis on the rendering of literary values into film. Chappell, Tucker. (H).
- 330 Approach to Film (3:3).** Historical, artistic, technical



- and literary values of the film, with special emphasis on works by Chaplin, Welles, Eisenstein, Bergman and Fellini. Chappell, Tucker. (H).
- 331 Women in Literature (3:3).** A study of some notable literary heroines of ancient and modern times and a close reading of the works in which they appear. Attention will be given to the feminine role as it has been viewed by such dramatists, novelists and poets as Shakespeare, Ibsen, Hellman, Wharton, Lessing, Woolf, Dickinson and Bishop. Gibson. (H).
- 337 English Literature to 1500 (3:3).** Culture of the Middle Ages. Selected reading in English literature from **Beowulf** to Malory. Works in Anglo-Saxon and some of those in Middle English in translation. Baker, Kelly, Tisdale. (H).
- 338 Renaissance Poetry and Prose, 1500-1610 (3:3).** English Renaissance lyric, romance, prose; study of continental backgrounds; emphasis on development of thought and style. Buchert. (H).
- 339 Shakespeare: Early Plays and Sonnets (3:3).** Twelve plays studied including **The Merchant of Venice** and two plays of **Henry IV, Romeo and Juliet, As You Like It, Twelfth Night** and **Hamlet**. Buchert, Kelly, Spencer, Tucker. (H).
- 340 Shakespeare: Later Plays (3:3).** Twelve plays studied, including **Othello, King Lear, Macbeth, Anthony and Cleopatra, Measure for Measure** and **The Tempest**. Buchert, Kelly, Spencer. (H).
- 342 The Seventeenth Century (3:3).** Main lines of thought and style noted in major writers from beginning of the century through Milton and Bunyan. Emphasis on lyric and meditative poetry of the metaphysicals. Charles. (H).
- 344 Romantic Poetry and Poetics (3:3).** Intensive study of works by Wordsworth, Coleridge, Shelley, Keats, and Byron, with attention to development of the Romantic movement. Dixon, Gibson, Lane. (H).
- 345 Victorian Literature (3:3).** Major Victorian writings exclusive of the novel: poems by Browning, Tennyson, Rossetti, and others; prose works by Carlyle, Arnold, Mill, and others. Gibson, Lane. (H).
- 349 English Novel from Defoe to Hardy (3:3).** Introduction to the great tradition of the English novel. Selected novels by Fielding, Austen, Dickens and others. Bulgin, Evans. (H).
- 350 The Twentieth-Century English Novel (3:3).** The development of the English novel from Conrad through the end of World War II, featuring such writers as Forster, Lawrence, Joyce, Woolf, Huxley, and Greene. Cushman. (H).
- 351 The American Novel through World War I (3:3).** Historical and critical study of Hawthorne, Twain, James and others. Darnell, Ellis, Griffith. (H).
- 352 Twentieth-Century American Novel (3:3).** Historical and critical study of Fitzgerald, Hemingway, Faulkner and other novelists to 1950. Davis, Ellis, Griffith. (H).
- 353 The Contemporary Novel (3:3).** Historical and critical study of such novelists as Bellow, Updike, Golding, and Fowles. Cushman, Ellis. (H).
- 358 Modern Poetry (3:3).** Poets and schools of poetry, British and American, from 1915 to the present, with emphasis on the great variety of styles and subjects. Watson, Chappell, Davis, Kirby-Smith. (H).
- 360 English Neoclassicism (3:3).** Major writers of the Restoration and eighteenth century in a historical, literary, and cultural context: Dryden, Pope, Swift, Johnson, and others. Evans, Tucker. (H).
- 371 Literary Study of the Bible (3:3).** The Bible as part of the world's great literature. Designed to give students a better comprehension of the Bible through study of its origins, history, structure and literary qualities. Arndt, Charles. (H).
- 375 Black Writers in America (3:3).** Survey of black literature written in the United States, its backgrounds, directions and achievements. Pr. either 251 or 252 or consent of instructor. Arndt, Griffith. (H).
- 382 Modern British and American Drama (3:3).** Historical and critical survey of British and American drama 1890 to the present: Shaw, O'Neill, Yeats, Synge, Pinter, Miller, Williams, and others. Buchert, Cushman, Lautermilch. (H).
- 493-494 Honors Work (3:3)-(3:3).**

### Courses for Advanced Undergraduates and Graduates

Prerequisite for credit in all courses in literature listed below: successful completion of at least six hours of approved courses in English and American literature at the junior level or above.

- 505 Literary Biography (3:3).** Development of literary biography and autobiography from early to modern times; biography as a literary genre; humanistic values in biography. Stephens.
- 510 Old English (3:3).** Language and literature of the Anglo-Saxon period (600-1100 A.D.). The language is studied primarily in conjunction with literary texts. Beale.
- 513 History of the English Language (3:3).** The origins and development of the English language, methods of historical language study and competing theories of linguistic change. Practical emphasis on reading and analysis of texts in Old, Middle and Early Modern English. Beale, Brewer.
- 515 Teaching English as a Second Language (3:3).** Theories of second language acquisition in relation to first language acquisition. Principles and techniques of teaching non-native speakers a native competence of English sound, syntax and pragmatics. ESL and bidialectalism. Brewer.
- 517 The Auteur Director (3:2:3).** The works of an individual film director. Subject differs from offering to offering. May be repeated for credit. Pr. 330 or COM 171 or graduate standing. Same as COM, FRE, ITA, SPA 517.
- 518 Studies in Film Genre (3:2:3).** The technical, dramatic, social and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering. May be repeated for credit. Pr. 330 or COM



- 171 or graduate standing. Same as COM, FRE, ITA 518.
- 519 Contemporary Publishing (3:3).** Current practices in the publishing industry from manuscript preparation to the printed book or magazine. Pr. consent of instructor. Clark, Zacharias.
- 520 Research Writing (3:3).** Analysis of situations requiring research-based reports; practice in using sources of information; practice in reporting research in appropriate formats. Stephens.
- 522 Teaching Composition: Theories and Applications (3:3).** Theories of the composing process and of discourse generally as they apply to the problems of teaching composition. Background studies in language and other related areas. Specific approaches to teaching composition, their rationales and their comparative usefulness. Pr. 321 or 660 desirable. Anderson, Beale.
- 524 Writing — Advanced: Analytical and Technical (3:3).** Problems of organization and expression in books, articles and reports. For those writing for publication or whose work in business or government requires a great deal of writing. Pr. consent of instructor. Kirby-Smith.
- 525, 526 Writing — Advanced: Fiction (3:3), (3:3).** Pr. for undergraduates: marked ability in imaginative writing and permission of instructor and chairman of department. Chappell, Watson, Zacharias.
- 527, 528 Writing — Advanced: Poetry (3:3), (3:3).** Pr. for undergraduates: marked ability in imaginative writing and permission of instructor and chairman of department. Chappell, Watson.
- 529, 530 Writing — Advanced: Plays (3:3), (3:3).** Pr. for undergraduates: marked ability in imaginative writing and permission of instructor and chairman of department. Watson.
- 532 American Romantic Writers (3:3).** Selected major romantic writers: Irving, Bryant, Cooper, Prescott, Poe, Hawthorne, Melville and authors from Brahmin and Transcendentalist groups. Authors and topics to vary. Darnell.
- 533 American Realistic Writers (3:3).** Selected major realistic and naturalistic writers: Twain, James, Howells, Frederic, and authors from the Naturalistic school. Authors and topics to vary. Darnell, Ellis, Griffith.
- 534 The Modern American Novel (3:3).** Major works by Faulkner, Hemingway, Fitzgerald, and others. Davis, Ellis.
- 536 Chaucer (3:3).** Chaucer's major works, including *The Canterbury Tales* and *Troilus and Criseyde*. Baker, Beale, Kelly, Tisdale.
- 537 Middle English Literature (3:3).** Language and literature of the thirteenth-, fourteenth- and fifteenth-century England. Baker, Beale, Tisdale.
- 539 Major Elizabethan Writers (3:3).** Spenser and one or more authors, such as Sidney, studied in relation to literary, cultural, and political movements. Attention given to Continental influences. Buchert, Kelly.
- 540 Shakespeare, Eight Plays (3:3).** Major comedies, histories, tragedies selected for topical study. Related background readings and criticism. Buchert, Kelly, Spencer.
- 541 Milton (3:3).** Milton's major poems and his most important prose works in their seventeenth-century setting. Buchert, Charles, Spencer.
- 542 Metaphysical Poets (3:3).** English poetry from Donne to Traherne, with emphasis on Jonson, Herrick, Herbert, Crashaw, Marvell and Vaughan. Charles.
- 544 English Romantic Writers (3:3).** Major English Romantic poets, Wordsworth through Keats, with attention also to essayists and letters. Gibson, Lane.
- 545 English Victorian Writers (3:3).** Major Victorian writers, Tennyson through the Pre-Raphaelites, with special attention also to their essays and letters. Gibson, Lane.
- 548 The Modern Novel (3:3).** Selected novelists with comparison of English and American masters. Cushman, Davis.
- 549 Literary Criticism: the Major Texts (3:3).** Important critical writings from Plato to modern times. Special attention to English criticism. Buchert, Bulgin, Lautermilch.
- 550 Modern English Writers (3:3).** Selected outstanding twentieth-century writers: essayists, novelists, dramatists and poets. Cushman, Kirby-Smith, Watson.
- 551 Modern Literary Theory (3:3).** Major literary theory since late nineteenth century including "art for art's sake," expressionist, Marxist, mythic and archetypal, "new critical" and "post new critical" theories. Lautermilch.
- 552 Southern American Writers (3:3).** Principal authors, from colonial times to present. Literary movements related to development and influence of Southern tradition in American literature. Davis, Stephens.
- 555 English Renaissance Drama (3:3).** Representative plays with brief readings in medieval drama and emphasis on the Elizabethan and early Stuart periods, exclusive of Shakespeare. Treatment of style, content, and literary history. Buchert.
- 556 English Drama of the Restoration and Eighteenth Century (3:3).** Principal dramatists from 1660 to 1800 with special attention to Congreve and Sheridan. Evans, Griffith, Tucker.
- 557 Contemporary American and British Poetry (3:3).** Critical and historical study of American and British poetry from World War II to the present. Watson.
- 558 Twentieth-Century American Poets (3:3).** A critical and historical study of major twentieth-century American poets to World War II. Davis.
- 559 Twentieth-Century British Poets (3:3).** Critical and historical study of twentieth-century British poetry to World War II. Watson.
- 561 Eighteenth-Century Writers (3:3).** Selected major writers, 1660-1800, from among Dryden, Swift, Pope, Johnson, and others. Evans.
- 563 American Poetry from the Beginnings to the Late Nineteenth Century (3:3).** American poetry and related critical theory with special emphasis on Taylor, Poe, Emerson, Whitman and Dickinson. Arndt, Darnell, Davis.



- 567 **The English Novel through Scott (3:3).** Historical and critical study with emphasis on the novel in the eighteenth century. Evans, Lautermilch.
- 568 **The English Novel from Austen through Hardy (3:3).** Historical and critical study with emphasis on the novel in the nineteenth century. Bulgin.
- 570 **The Structure of Verse (3:3).** Verse forms and sound patterns in English and American poetry. Chappell, Watson.
- 582 **The Modern Drama (3:3).** Drama of the late nineteenth century and twentieth century, continental, English, and American. Baker, Buchert.

## Courses for Graduates

- 601 **English Studies: Content, Methods and Bibliography (3:3).**
- 603 **Recent Anglo-Irish Literature (3:3).**
- 609 **Studies In Middle English Literature (3:3).**
- 611 **Studies In English Renaissance Literature (3:3).**
- 621 **Romanticism (3:3).**
- 633 **Studies In Nineteenth-Century American Literature (3:3).**
- 634 **Studies In Twentieth-Century American Literature (3:3).**
- 636 **Studies In American Poetry (3:3).**
- 640 **Studies In Shakespeare (3:3).**
- 643 **Studies In Wordsworth (3:3).**
- 644 **Romantic Poetry (3:3).**
- 645 **Studies In Victorian Poetry (3:3).**
- 646 **Studies In Byron, Shelley and Keats (3:3).**
- 647 **Studies In Victorian Prose (3:3).**
- 655 **Modern British and American Literature (3:3).**
- 656 **Contemporary British and American Literature (3:3).**
- 660 **Modern English (3:3).**
- 661 **The Theory and Practice of Rhetoric (3:3).**
- 664 **Blake (3:3).**
- 665 **Eighteenth-Century Prose (3:3).**
- 666 **Studies In Eighteenth-Century Literature (3:3).**
- 667 **The English Novel (3:3).**
- 668 **Directed Reading (3:3).**
- 671, 672 **Graduate Tutorial In Writing: Fiction (3:3), (3:3).**
- 673, 674 **Graduate Tutorial In Writing: Poetry (3:3), (3:3).**
- 675, 676 **Graduate Tutorial In Writing: Plays (3:3), (3:3).**
- 677, 678 **Special Problems In Writing (3:3), (3:3).**
- 680 **Teaching Internship In English (3).**
- 693 **Classical Rhetoric (3:3).**
- 694 **Modern Rhetorical Theory and Criticism (3:3).**
- 699 **Thesis (6).**
- 701 **English Studies: Genres and Modes (3:3).**
- 799 **Dissertation (12).**
- 800 **Graduate Registration.**
- 801 **Graduate Registration.**

## Environmental Studies — See Geography.

## European Literature in Translation:

ENG 201, 202  
 FRE 222, 224, 303  
 GER 217, 218, 221, 301, 302, 303, 304, 315, 316, 319, 320  
 RUS 201, 202, 313, 314, 315, 316 (Polish), 511  
 SPA 222

## Finance — Department of

(441 Business & Economics Bldg./School of Business and Economics).

**G. Donald Jud** (1971), Professor and Head of Department/  
 B.A., M.B.A., Texas/Ph.D., Iowa.

**Robert J. Angell** (1981), Associate Professor/B.S., U.N.C. at  
 Chapel Hill/M.B.A., Virginia/D.B.A., Florida State.

**Sheldon D. Balbrer** (1974), Associate Professor/B.S.,  
 Carnegie Institute of Technology/Ph.D., U.N.C. at Chapel  
 Hill.

**Robert S. Cline** (1976), Professor/B.S., M.B.A., Syracuse/  
 Ph.D., Pennsylvania.

**George B. Flanigan** (1973), Professor/B.S., Illinois at  
 Chicago/Ph.D., Iowa.

**Joseph E. Johnson** (1969), Professor/B.A., U.N.C. at Chapel  
 Hill/M.B.A., D.B.A., Georgia State.

**Lawrence E. McLean** (1984), Assistant Professor/A.B.,  
 Duke/M.B.A., Chicago/Ph.D., Syracuse.

**Tony R. Wingler** (1976), Associate Professor and Director,  
 M.B.A. Program/B.A., Guilford College/M.S.B.A., UNC-G/  
 D.B.A., Kentucky.

The undergraduate finance program deals with the theory, organization, and operation of the financial system from both a market and a managerial viewpoint. Students are expected to develop analytical abilities and to present their analyses in both written and oral form.

The Department of Finance offers a Bachelor of Science degree with a major in finance. Undergraduate majors in finance may select one of two possible areas of concentration: 1) financial management or 2) risk management and insurance.

Students graduating with a concentration in financial management may look forward to managerial positions in controllership or treasury work in nonfinancial businesses as well as a wide array of careers in the financial service industry. Students concentrating in risk management and insurance may expect to find employment in the risk management departments of public agencies and private corporations as well as with insurance companies. The education received in either area of concentration is consistent with progress toward responsible managerial positions.

At the graduate level, the department offers courses in finance and risk management as part of the Master of Business Administration (MBA) program. Students interested in the MBA program should consult the Graduate School Catalog or Professor Tony R. Wingler, Director.



## FINANCE MAJOR (Bachelor of Science)

Required: Formal admission to the School of Business and Economics, acceptance by the Department of Finance and completion of 122 semester hours of work. For a summary of admission requirements, see pp. 54-55.

### Admission Requirements

The current minimum grade point average required for admission to the Department of Finance is 2.0 (on a 4.0 scale) and is subject to change by faculty action.

### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One course in English composition or exemption: ENG 101.
2. Three courses from Humanities Area (H) to include WCV 101, 102.
3. Two courses from Natural Sciences and Mathematics Area (NSM) to include MAT 191 and three semester hours in one of the following: biology, chemistry, geography, or physics (recommended-BIO 105, CHE 306, GEO 111, or PHY 305.)
4. Two courses from Social and Behavioral Sciences Area (SBS): PSY 221 and SOC 211.
5. Four additional courses: PSC 200 and three courses (outside the School of Business and Economics) from H, NSM, SBS, or elementary foreign language.

### Major Requirements

#### Financial Management Concentration

1. FIN 340, 341, 342, 370, 441, 449.
2. Two additional courses from the following list: ACC 430, FIN 471, ECO 351, ECO 552, or ECO 553.

#### Risk Management and Insurance Concentration

1. FIN 340, 341, 342, 370, 471, 472.
2. Two additional courses from the following list: ACC 420, FIN 441, FIN 473.

#### Related Area Requirements

1. ACC 201, 202.
2. ECO 201, 202, 311, 327, 350.
3. ISM 234, 360.
4. MGT 310, 320, 330, 491.
5. ENG 102, COM 341.

### Electives

Electives sufficient to complete total semester hours required for degree. Minors in finance are not permitted.

## Finance-FIN/courses

### Courses for Undergraduates

**300 The Management of Personal Finance (3:3).** Personal budgeting and accounting; borrowing money; buying

on credit; personal income tax returns; saving and the wise investing of savings; insurance; home ownership. May not be taken for credit in the major by accounting, finance, management and economics majors, but must be counted toward maximum permissible hours in the school. (Formerly BUS 300.)

**340 Business Finance I (3:3).** Recognition and analysis of financial problems. Integrated approach to financial management emphasizing basic concepts of valuation, investment and financial structure. Pr. admission to the School of Business and Economics or other professional program approved by the School. (Formerly BUS 340.)

**341 Business Finance II (3:3).** Study of the theory and practical application of capital budgeting, cost of capital and capital structure analysis, working capital management, and financial analysis and planning. Pr. 340, admission to the School of Business and Economics or other professional program approved by the School.

**342 Investments (3:3).** Investment principles and practices, investment policies, security analysis and the mechanics and mathematics of security purchases. Long- and short-term fluctuations of security prices, functions of securities markets and regulatory bodies and individual investment needs. Pr. 340, admission to the School of Business and Economics or other professional program approved by the School. (Formerly BUS 443.)

**370 Principles of Risk Management and Insurance (3:3).** An investigation of risk and the risk management process including the role of insurance. Social insurance, financial planning issues, employee benefits and pension and retirement planning are included. Pr. junior standing. (Formerly BUS 370.)

**441 Financial Institutions and Markets (3:3).** Principal institutions and markets comprising the financial system; their roles in short-term, long-term and equity financing, interest rate determination and capital formation. Interrelationships between domestic and international and financial markets. Government policy objectives and regulations as influences on the financial system. Pr. 340, ECO 202, 327, admission to the School of Business and Economics or other professional program approved by the School. (Formerly BUS 441.)

**449 Seminar in Finance (3:3).** Independent study, research and class discussion covering a topic or group of related topics of current interest in financial theory, policy, or practice. Topics may vary each semester. Pr. 340, 341, 342, senior standing or consent of instructor.

**471 Life Insurance and Financial Planning (3:3).** Emphasis on life insurance in the financial planning process. Explores the role of savings and investment and the creation, preservation, and taxation of wealth. Pr. 340, admission to the School of Business and Economics or other professional program approved by the School. (Formerly BUS 471.)

**472 Property and Liability Insurance (3:3).** A course designed to examine the coverages and exclusions found in direct damage and indirect loss contracts



and liability insurance contracts as risk management devices for the treatment of pure risk. Pr. 370, admission to the School of Business and Economics or other professional program approved by the School. (Formerly BUS 472.)

- 473 Risk Management (3:3).** A course designed to examine the risk management process of the firm involving the identification measurement and treatment of business exposures to loss by pure risk. Pr. 370, admission to the School of Business and Economics or other professional program approved by the School. (Formerly BUS 473.)
- 499 Problems in Finance (3:3).** Independent study, research and class discussion covering a topic or group of related topics of current interest in theory or policy of finance. Topics may vary from semester to semester. Open to senior majors or others by consent of instructor. (Formerly BUS 499.)

## Courses for Graduates

The courses listed below were formerly designated as BUS.

- 613 Directed Studies (3).**  
**630 Financial Management (3:3).**  
**631 Security Analysis and Portfolio Management (3:3).**  
**632 Capital Markets and Financial Institutions (3:3).**  
**634 Advanced Financial Management (3:3).**  
**680 General Insurance (3:3).**  
**681 Risk Management (3:3).**  
**682 Life and Health Insurance (3:3).**  
**683 Property and Casualty Insurance (3:3).**  
**684 Life and Health Insurer Management (3:3).**  
**685 Property and Liability Insurer Management (3:3).**  
**695 Seminar and Research (3).**  
**699 Thesis (3).**  
**800 Graduate Registration.**  
**801 Graduate Registration.**

**Financial Management** — See Finance.

**Food Service Management** — See Home Economics.

**Food and Nutrition** — See Home Economics.

**French** — See Romance Languages.

**General Music Education** — See Music.

**General Speech** — See Communication and Theatre.

**Geography** — Department of (129 Graham Bldg./College of Arts and Sciences).

**John J. Hildore** (1980), Professor and Head of Department/B.A., State College of Iowa/M.A., Ph.D., State University of Iowa.

**D. Gordon Bennett** (1967), Professor/B.A., East Carolina/M.A., Ph.D., Michigan State.

**George D. Carroll** (1972), Visiting Assistant Professor/B.S., Appalachian State/M.A., Ph.D., U.N.C. at Chapel Hill. Part-time.

**Craig L. Dozier** (1960), Professor/B.A., Wisconsin/M.A., Maryland/Ph.D., Johns Hopkins.

**Charles R. Hayes** (1970), Associate Professor/B.A., Knox College/M.S., Wisconsin/Ph.D., Chicago.

**Michael W. Mayfield** (1983), Assistant Professor/B.S., Western Carolina/M.S., Ph.D., Tennessee.

**Jeffrey C. Patton** (1980), Assistant Professor/B.S., M.A., Bowling Green State/Ph.D., Kansas.

**G. Harry Stopp, Jr.** (1982), Assistant Professor/B.A., M.A., Alabama/Ph.D., Louisiana State.

The Department of Geography offers a program which has three principal objectives: environmental and earth science education; international understanding through area studies; application of geographic analysis and techniques to urban, regional and population problems. Thus, the purposes of the program are to contribute an important dimension to the university student's liberal education and to provide practical training in important contemporary areas of social concern as well as the background appropriate for certain vocations.

Graduating majors of the department have found careers in business and industry, in urban and regional planning agencies, in departments and agencies of the federal government and in teaching.

Special facilities of the departments include fully equipped laboratories in earth sciences (geology and physical geography) and cartography.

## GEOGRAPHY MAJOR (Bachelor of Arts)

### General Major and Concentrations

Urban Planning  
 Earth Science/Environmental Studies

Required: 122 semester hours.

The **Geography Major** requires a set of core courses making up 21 credit hours. Students may pursue a general major, or they may select courses so as to emphasize one of these areas: urban planning or earth science/environmental studies.

Students seeking **teacher certification** should see Teacher Education Chapter. Certification in geography or in social studies is available.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in Western Civilization (6 semester hours) and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.



**Major Requirements**

A minimum of 27 hours in geography above the 100 level.

**Core Courses for Geography Major and Concentrations**

1. GEO 321, 322, 323 and 505 or 522.
2. One course from GEO 103, 211, 212.
3. One course from GEO 114, 202, 301, 302, 303.
4. One course from GEO 338, 344, 560.

**Urban Planning Concentration**

The outward movement of functions and people from the city over the past decade, has dramatically increased the need for formal urban planning. Planners are needed, at all levels to guide the growth in the urban-rural fringe, the area in the U.S. and the developed world that is growing most rapidly. Perhaps, though, the greater need is for central city planning, the area that is filling in with the poor and the disadvantaged. Local government officials are aware of these planning needs and, consequently, have created more and more positions for qualified people.

For students intending to follow a career in land-use planning in Urban Environments. Required courses: GEO 202, 212, 301, 302, 303, 344, 502, 521, and 522.

**Earth Science/Environmental Studies Concentration**

One consequence of the current awareness of the problems of the impact of the increasing human population on the environment has been the demand by federal, state, and local governments, as well as private industry for personnel who understand the causes, ramifications, and alternative solutions to environmentally oriented problems. Graduates with a degree in geography, particularly physical geography, are employed in increasing numbers by various government agencies, planning commissions, private research and consulting firms, and industrial organizations for positions related to the evaluation of natural resources and in environmental impact analysis. This concentration provides training to enhance the employment opportunities of our students with a strong interest in environmental planning.

For students wishing to obtain teacher certification in Earth Science and for students planning to enter the field of land-use assessment. Required courses: GEO 111, 205, 211, 212, 330, 505, and 521.

Majors planning to teach geography/social studies or earth science in the secondary schools should plan their programs to include the following courses:

For geography/social studies: GEO 101, 114, 201, 303, 338, 344.

For earth science: See above under Earth Science/Environmental Studies Concentration. Include astronomy. This program can lead to certification in earth science.

Those students in **Intermediate education** desiring to have their concentration in earth science should choose a minimum of 18 hours above the 100 level from the list of geography courses given from the Earth Science and Environmental Studies Concentration.

**Related Area Requirements General Geography Major**

No specific additional courses beyond the core are required. Suggested courses in other departments and schools are recommended by the department (see above).

**International Studies** — See page 181.

**Population Studies Minor** — See page 184.

**Urban Studies** — See page 185.

**Geography Minor**

Any six courses (18 semester hours) constitute a minor, but the following suggested course sequences will be of interest to certain students pursuing specific majors and with certain career objectives such as planning, environmental conservation or business:

1. General Geography Minor — two physical, two human, 1 regional, 1 techniques course(s) (for the student desiring a broad range of geography courses to supplement a cognate major).
2. Minor emphasizing Urban Planning — 202, 301, 302, 303, 330, 344.
3. Minor emphasizing Environmental Studies — Six courses from list of courses included under this emphasis. GEO 303 also recommended.
4. Minor emphasizing Geographic Techniques — 201, 321, 322, 323, 521, 522 (for student desiring to acquire geographic research, writing and cartographic techniques).
5. Geography Minor for majors in the School of Business and Economics — (a) For the major who wishes to acquire knowledge of industrial and urban location theory, population characteristics and patterns and environmental impact: 103, 202, 301, 302, 303, 344. (b) For the major interested in a career in the travel business: 101, 114, 201, 211, 338, 344.



**Geography-GEO/courses**

**Courses for Undergraduates**

Basic physical geography courses are the following: 103, 211 and 212.

- 101 The Changing Human Environment (3:3).** A study of the changing interaction of man and his environment and the resultant human and economic patterns in various parts of the world. (SBS), (CSBS).
- 103 Introduction to Earth Science (3:3).** A survey of the basic concepts and processes integrating the nature of the earth's three primary physical systems: the solid earth and continents; the ocean basins and the oceans; and the atmosphere's weather. (NSM), (CPS).
- 111 Physical Geology (3:2:3).** An introduction to the nature and origin of minerals and rocks, the dynamic internal processes of the earth responsible for the creation of continents and ocean basins and the external processes which shape world landscapes. Field trips. (NSM), (CPS).



- 112 Historical Geology (3:2:3).** A chronological examination of the physical and biological history of the earth. Topics include the concepts and techniques presently employed to decipher the evolution of the continents, ocean basins and life on the planet. Emphasis is placed on North American geology. Field trips. (NSM), (CPS).
- 114 The Geography of World Affairs (3:3).** Contemporary problems and issues of and between nations of the world as they have evolved in their geographical settings. (SBS), (CSBS).
- 201 Cultural Geography (3:3).** An introductory game/project oriented course concerned with the characteristics, descriptions, development and spatial arrangements of world cultures or "way of life." (SBS), (CSBS).
- 202 World Production and Marketing Systems (3:3).** The characteristics and location of the world's resources, theory of industrial location, world patterns of industry. (SBS), (CSBS).
- 205 Environmental Change: Its Nature and Impact (3:3).** Human interaction with the physical environment. Environmental impact assessment and land-use planning for control of human use of the environment for the future. (NSM).
- 211 Our Changing Weather and Climate (3:2:3).** An introduction to the nature, origin, processes and dynamics of the earth's atmospheric environment. Consideration also of man's inadvertent modification of weather and of the inherent variability of climate with time. (NSM), (CPS).
- 212 Physical Geography: Landscape Processes (3:2:3).** An examination of the physical and chemical processes responsible for the development of the earth's varied terrain characteristics. Environmental problems involving man's impact on landscape and river systems are also considered. (NSM), (CPS).
- 301 Urban Patterns (3:3).** World urbanism; development, growth, structure, characteristics and spatial arrangement of cities. (SBS).
- 302 Urban Land Use (3:3).** Characteristics, spatial arrangement and patterns of land uses within cities; techniques of city planning. (SBS).
- 303 World Population Problems (3:3).** Major world population problems, trends and significant policy and action alternatives for the future. Impact of various geographical factors on problems and trends. (SBS).
- 305 Natural Hazards Assessment (3:3).** The nature and geographical distribution of short-lived environmental hazards including earthquakes, hurricanes, floods, volcanic eruptions, and landslides. Factors contributing to increased hazard potential. Alternative human responses to short-lived hazards. Pr. 103 or equivalent.
- 307 Agricultural Land-Use (3:3).** Major agricultural systems, production, processing, and distribution. Analysis of the interaction of man and the environment which limits and delimits agricultural productivity around the world. Pr. 6 hours of geography or economics or permission of instructor.
- 312 Physiography of the United States (3:3).** Survey of various landscape regions of United States and study, with maps and air photos, of relationships between the geologic, erosional and genetic characteristics of each region. (NSM). Not offered every year.
- 321 Map Design (3:1:6).** Lectures provide an introduction to the science of cartography with an emphasis on the use of maps as descriptive and analytical tools. Laboratory work is an introduction to map making: drafting, compilation, design and symbolization.
- 322 Field and Research Techniques (3:3).** Practical application of geography emphasizing field techniques of data collection, analysis and writing. (SBS).
- 323 Air Photo and Remote Sensing (3:3).** Air photograph and map techniques as applicable to both cultural and physical geography. Background information on map and air photo sources, equipment and interpretation methodology useful in making detailed studies of agricultural and urban land utilization, population and settlement distributions and the patterns of soil, vegetation, hydrology, geology and topography.
- 330 Elements of Hydrology (3:3).** An introduction to the origin, properties, occurrence, circulation of the waters of the earth. The course will include the application of hydrologic techniques for the evaluation of regional water budgets and problems relating to the conservation of water resources. Pr 103 or 211 or 212 or consent of instructor. (NSM).
- 338 Regions of Latin America (3:3).** The geographic distinctiveness of Latin American regions, with an emphasis upon the physical foundation, bases of past development and recent transformation. Major consideration will be given to Mexico/Central America, Peru/Bolivia and Brazil. (SBS).
- 344 Geography of the United States and Canada (3:3).** A study of the human and physical characteristics of the United States and Canada, with emphasis on the former. (SBS).
- 491 Current Topics in Population (3:3).** A multi-disciplinary seminar dealing with major topics concerned with national and international issues. May be repeated for credit when topic varies. Same as SOC 491. Not offered every year.



### Courses for Advanced Undergraduates and Graduates

- 502 Urban Planning (3:3).** Experiences in planning and primary concepts and procedures utilized by planners in city and local government agencies for improving the quality of the urban environment. Pr. 302 or consent of instructor.
- 505 Seminar in Environmental Studies (3:3).** Selected topics of current interest in environmental studies. Pr. major in geography or consent of instructor.
- 521 Advanced Cartography (3:3).** An introduction to computer cartography and advanced photographic methods for map production. The student will learn to design, produce, and evaluate computer and



photographically generated maps. Pr. 321 or consent of instructor.

- 522 Seminar in Population and Urban Studies (3:3).** An advanced study of population processes and urban concepts from an interdisciplinary viewpoint. The course will emphasize accessing and interpreting data from the U.S. census and other sources. Pr. consent of instructor. Same as SOC 522.
- 560 Seminar in Regional Geography (3:3).** Smaller regions within Latin America, the United States, and Europe as case studies of regionalism and the regional method in geography. Pr. 338 or 344. Not offered every year.
- 590, 591 Special Problems in Geography (3), (3).** Opportunity for advanced students to undertake independent study of field research of special interest. Pr. consent of faculty member with whom student wishes to work and at least 3 hours of previous course work in geography. Not offered every year.

## German and Russian — Department of

(337-A McIver Bldg./College of Arts and Sciences).

- Robert P. Newton** (1970). Professor and Head of Department/B.A., M.A., Rice/Ph.D., Johns Hopkins.
- Joachim T. Baer** (1973), Professor/B.A., Indiana/Ph.D., Harvard.
- Doryl G. Jensen** (1979), Lecturer/B.A., M.A., Brigham Young.
- Frederick M. Reiner** (1961), Associate Professor/B.A., M.A., Ph.D., Toronto.
- Monika Reiner** (1985), Lecturer/Abitur, Gymnasium fur Madchen/M.A., Ph.D., Gottingen. Part-time, second semester 1984-85.
- Vicki J. Roberts-Gassler** (1981), Lecturer/B.A., M.A., Washington State/Ph.D., Ohio State.

The aim of the Department of German and Russian is to convey a deeper understanding for important foreign languages and cultures in the context of a liberal and humanistic education.

The following courses are intended both to impart useful skills and to contribute to the student's intellectual development and aesthetic experience. Language instruction courses provide the students with a basic speaking knowledge and with a reading knowledge that will enable them to interpret life and literature of the German and Russian speaking countries. More advanced courses emphasize literary study and culture, which are the actual goals of the major in German.

The language laboratory provides the student with the facilities for aural and oral exercises. Cultural material, such as film records and tapes, is coordinated with classroom work. Students may also elect to live in UNC-G's International House which has a German wing. Students on the German floor are encouraged to use the German language for daily communication.

For all interested students a German coffee hour (Kaffeestunde) is held once a week, and the UNC-G film program provides a German and a Russian full-length film each month.

There is a Summer Study Abroad travel program in East

and West Germany in collaboration with Guilford College.

Students who wish to spend their junior year studying any subject at the University of Heidelberg, Munich, or with other programs, must take German in the first two years.

## GERMAN MAJOR (Bachelor of Arts)

Required: 122 semester hours.

**The German Major**, depending on the student's interest and other abilities, may lead into various careers such as teaching, government and international trade. The specialized study of German aims to improve language skills and to convey understanding of German culture, primarily through literature.

Students seeking **teacher certification** should see Teacher Education Chapter.

## Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in Western Civilization (6 semester hours) and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

## Major Requirements

30-36 semester hours in German above the 208 level including at least:

1. Two course from 209, 210, 309, 310, or 307.
2. All of the four core courses: 323, 327, 333, and 337.
3. One course from 315, 316.
4. Nine elective credits from: 308, 324, 328, 334, 338, 347, 348, 349, 401, 402. Courses "Read in English" may be used for Major credit if an appropriate amount of the reading is done in German.

Note: Further courses from the above group (4) may be taken up to the 36 hr. limit, including courses read in English. Courses at the one-hundred level and in the sequence 203-208 do not count toward the major.

## Related Area Requirements

Suggested but not required: ENG 201, 202, 339, 340; HIS 291, 292, 573; RUS 201, 202, 313, 314, 315, 316; PHI 348; all courses listed under World Literature. (See under Interdepartmental Studies and consult the chairman of World Literature Committee.)

## Electives

Electives sufficient to complete total semester hours required for degree.



## German Double Major

24-36 hours in German including the first three categories required for the primary German major plus three elective credits taken from the courses in category four. Further required are 24-36 hours in another approved major.

## German Minor

15 hours above the 102 level, including at least 6 hours at the 300 level.

## Russian Minor

15 hours above the 100 level of which the following twelve are compulsory:

RUS 203-204 (3:3)-(3:3).

RUS 305, 306 (3:3), (3:3).

# German-GER/courses

## Courses Read in English

German Literature Courses Read in English translation are as follows:

- 217, 218 **Masterworks of German Literature Read In English (3:3), (3:3).**  
 221 **Germanic Mythology. Readings In English (3:3).**  
 301, 302 **German Literature Survey Read in English (3:3), (3:3).**  
 303 **Modern German Drama Read in English (3:3).**  
 304 **Modern German Fiction Read in English (3:3).**  
 315, 316 **German Civilization. Readings In English (3:3), (3:3).**  
 319, 320 **Divided Germany. Readings In English (3:3), (3:3).**

A full description of the above courses will be found in numerical order in the German courses listed below.

- 101-102 **Elementary German (3:3)-(3:3).** Essentials in grammar, graded reading, vocabulary building. Language laboratory facilities.
- 101R **Elementary German Reading (1:1).** Optional supplementary reading course at the elementary level for students interested in improving their command of the language. Course meets two hours a week in second half of semester. Pr. concurrent registration in 101.
- 102R **Elementary German Reading (2:2).** Optional supplementary reading course at the elementary level for students interested in improving their command of the language. Simple but unedited literary texts will be used. Course meets two hours a week for the whole semester. Pr. concurrent registration in 102 or permission of the instructor.
- 102C **Elementary German: Conversation Supplement (2:2).** Experience in conversational German supplementing the language study in the basic course. Optional for students taking 102. Pr. registration in 102 or permission of the instructor.

- 150 **Applied German (International House) (1:1).** Students living on German Floor of International House agree to use the language for communication and to participate in conversational, social and other activities of the Floor and House. May be repeated for credit up to a total of four semester hours. Grade: pass/not pass. This course may not be used to satisfy foreign language requirement.

## Intermediate German: 203-210

- 203, 204 **Intermediate German. Readings in Literature (3:3), (3:3).** Readings and discussion of German short stories, poetry and plays of various periods, at an intermediate level. Concurrent review of grammar. Pr. 101-102. (H), (CFL).
- 205, 206 **Intermediate German. Non-Fictional Cultural Readings (3:3), (3:3).** Reading and discussion of essays and excerpts from works on history, society, philosophy, psychology, criticism and the arts, from various periods of German culture, as well as articles from current newspapers and periodicals. Concurrent review of grammar. Pr. 101-102. (H).
- 207, 208 **Intermediate German. Natural & Social Sciences (3:3), (3:3).** Reading of articles and book excerpts in the fields of the student's research interests, especially in the natural and social sciences. Students will determine selection of texts. Emphasis on vocabulary-building and the reading comprehension of scholarly works. Concurrent review of grammar. Pr. 101-102.
- 209, 210 **Intermediate German. Beginning Conversation (3:3), (3:3).** Introduction to German conversation on an everyday level. Includes some reading as a basis for conversation. Willingness to participate is an essential. Concurrent review of grammar. Pr. 101-102.
- 215, 216 **Advanced German. Introduction to German Literature (3:3), (3:3).** Representative works in prose and verse. Readings in German. (H), (CLIT).
- 217 **Masterworks of German Literature Read In English (3:3).** Reading and discussion in English translation of some of the best works of German literature: the Middle Ages, Baroque and Classical Periods, Romanticism, Realism. (H), (CLIT).
- 218 **Masterworks of German Literature Read In English (3:3).** Reading and discussion in English translation of some of the best works of German literature: Naturalism, Turn of the Century, Expressionism, New Objectivity, parabolic drama, contemporary writers. (H), (CLIT).
- 221 **Germanic Mythology, Readings In English (3:3).** Course to be taught in translation. The myths of Northern Europe, their main personages and events as preserved in the heroic sagas and epics, the traces of these myths in later literature, in folklore and art, the history of their revival in the nineteenth century (Brothers Grimm, Richard Wagner), the variety of interpretations given to them. (H).
- 301, 302 **German Literature Survey Read In English (3:3), (3:3).** 301 — Epic, novel, drama and short story, including the Medieval and Baroque periods, Goethe and Schiller and Romantic and Realist authors of the nineteenth century. (H). 302 — Naturalist, Turn of the



- Century, Expressionist and modern authors up to contemporary times. Includes Kafka, Mann, Hesse, Brecht, Boll, Grass, Durrenmatt, Frisch and others. (H).
- 303 Modern German Drama Read in English (3:3).** Reading and discussion of representative modern German plays by authors representing the schools of Naturalism, Impressionism and Expressionism, and writers of parabolic drama (Brecht, Durrenmatt, Frisch), political theatre (Weiss, Hochhuth, Kipphardt) and neo-Dadaism (Grass, Handke). (H).
- 304 Modern German Fiction Read in English (3:3).** Reading and discussion of modern German novels and short stories by authors such as Hesse, Kafka, Mann, Boll, Grass and other major and secondary authors. (H).
- 307 Advanced German Grammar (3:3).** Intensive study of German grammar (including features not covered in lower levels of instruction) and of the contrasting structures of German and English. Introduction to reference tools. Pr. two intermediate German courses or equivalent.
- 308 History of the German Language (3:3).** Study of major language changes from Indo-European to modern High German, of short texts in Old High and Middle High German literature and of theories of language change. Pr. two intermediate German courses or equivalent. (H).
- 309, 310 Advanced German Conversation and Composition (3:3), (3:3).** For students desiring some proficiency in spoken and written German. Free conversation on a wide range of everyday subjects. Language laboratory facilities. Attendance at Kaffeestunde required unless excused by instructor.
- 311 Experimental Course: Business German (3:3).** Introduction to special vocabulary and syntax of German as used in business contacts, correspondence and articles. Practice in reading and writing German for business purposes and travel.
- 315, 316 German Civilization. Readings in English (3:3), (3:3).** Cultural, political and social development of Germany from its origin to the present. 315 — Middle Ages (Romanesque, Gothic) through the fifteenth century. 316 — from the Reformation to the present. Attention given to the German elements in America. Use of films, slides and records. Taught in English. Majors required to do additional reading in German. (H).
- 319, 320 Divided Germany. Readings in English. (3:3), (3:3).** 319 — Cultural and social contracts in the two German States; 320 — Social problems in postwar German literature. A study of the two opposing social systems vying for the allegiance of the German people, as seen from both the sociological and literary points of view.
- 323 Early German Literature to 1700 (3:3).** Readings from important literary works of the medieval period (**Tristan, Parzival, Nibelungenlied**), the Reformation (Martin Luther, Hans Sachs, **Faustbuch**) and the Baroque (Opitz, Gryphius, Fleming, Grimmelshausen). (H).
- 324 Topics in German Literature to 1700 (3:3).** Studies of specific literary movements, genres, authors, or themes in the literature of Medieval Germany, of the Reformation or of the Baroque. May be repeated for credit when topic varies. Pr. two intermediate German courses or equivalent. (H).
- 327 Eighteenth-Century German Literature (3:3).** Discussion of readings representing important writers and currents of thought from the end of the Baroque through the Enlightenment and Sturm und Drang to German Classicism, especially Lessing, Goethe and Schiller. (H).
- 328 Topics in Eighteenth-Century German Literature (3:3).** Discussion of readings related to specific topics in German literature of the 18th century. Topics might be individual authors, genres or themes. May be repeated for credit when topic varies. Pr. two intermediate German courses or equivalent. (H).
- 333 Nineteenth-Century German Literature (3:3).** Discussion of readings representing important writers and currents of thought in literature from early Romanticism to Realism. Writers include Novalis, Tieck, Eichendorff, Kleist, Grillparzer, Heine, Stifter, Hebbel, Storm, Keller. Pr. two intermediate German courses or equivalent. (H).
- 334 Topics in Nineteenth-Century German Literature (3:3).** Discussion of readings related to specific topics in 19th century German literature. Topics might be individual authors, genres or themes. May be repeated for credit when topic varies. Pr. two intermediate German courses or equivalent. (H).
- 337 Modern German Literature (3:3).** Works of modern writers: Hauptmann, Mann, Rilke, Musil, Hesse, Kafka, Brecht, Broch, Boll, Grass, Durrenmatt, Frisch. (H).
- 338 Topics in Modern German Literature (3:3).** Discussion of readings on specific topics such as individual authors, genres or themes. May be repeated for credit when topic varies. Pr. two intermediate German courses or equivalent. (H).
- 347 German Fiction Topics (3:3).** Studies in German prose fiction dealing with a single genre (Marchen, Roman, Novelle, Erzählung), a specific theme or a specific author. May be repeated for credit when topic varies. Pr. two intermediate German courses or equivalent. (H).
- 348 German Drama Topics (3:3).** Studies in German drama dealing with specific periods, authors, themes or genres (tragedy, comedy, Horspiel, Volksstück, Fastnachtspiel). May be repeated for credit when topic varies. (H).
- 349 German Poetry (3:3).** Reading, reciting and interpretation of German poetry, especially the lyric. Study of verse forms and style. (H).
- 401, 402 Tutorial (1 to 3), (1 to 3).** Directed program of reading, research and individual instruction in Germanic literatures and languages. Pr. permission of instructor.



## Russian-RUS/courses

### Courses in English Translation

Russian Literature in English translation courses are as follows:

- 201, 202 Russian Literature in Translation (3:3), (3:3).**
- 313 Tolstoy in Translation (3:3).**
- 314 Dostoevsky in Translation (3:3).**
- 315 Soviet-Russian Literature in Translation (3:3).**
- 316 Modern Polish Literature in Translation (3:3).**
- 511 The Russian Novel in Translation (3:3).**
- A full description of these courses will be found in numerical order in the Russian courses listed below.
- 101-102 Elementary Russian (3:3)—(3:3).** Basic principles of grammar; graded reading of selected texts; some conversation; language laboratory facilities.
- 101a, 102a Elementary Russian Drill (1:1), (1:1).** Optional drill section to reinforce material of 101-102. Pr. concurrent registration in 101-102.
- 150 Applied Russian (1:1).** Russian Studies majors and minors living in International House agree to use Russian in communication and to participate in one hour per week of Russian conversation on assigned topics. They further commit themselves to participation in other activities of the Russian Studies Program. Grade: pass/not pass. May be repeated for credit up to a total of four semester hours. Pr. admission to International House. May not be used to satisfy the foreign language requirement.
- 201, 202 Russian Literature in Translation (3:3), (3:3).** Survey of Russian prose beginning with early Russian Literature and focusing on nineteenth-century Russian prose up to 1917. Works from the following writers will be read: Pushkin, Gogol, Lermontov, Goncharov, Turgenev, Leskov, Garshin, Kuprin, Chekhov, Bunin, Belyj, Sologub. No knowledge of Russian required. Baer. (H), (CLIT).
- 203-204 Intermediate Russian (3:3)-(3:3).** Review of grammar, practice in conversation, selected readings from nineteenth- and twentieth-century literature. (H), (CFL).
- 305, 306 Advanced Grammar, Conversation and Composition (3:3), (3:3).** Intensive reading of unedited Russian texts plus conversation and composition based on the reading. Baer.
- 313 Tolstoy in Translation (3:3).** Intensive study of his artistic writing between 1852-1910. Tolstoy's moral views will be considered as part of the course. Baer. (H).
- 314 Dostoevsky in Translation (3:3).** Intensive study of his artistic writing between 1846-1880. His political and religious views will be considered as an integral part of the material of the course. Baer. (H).
- 315 Soviet-Russian Literature in Translation (3:3).** Intensive study of the artistic writing in the U.S.S.R. from 1917 to the present. The readings will cover the

poetry and prose of Sholokhov, Ilf and Petrov, Pasternak, Evtushenko, Solzhenitsyn and others. Baer. (H).

- 316 Modern Polish Literature in Translation (3:3).** Intensive study of the artistic writing in Poland from 1918 to the present. The readings will cover the poetry and prose of Zeromski, Wittlin, Gombrowicz, Witkiewicz, Schulz, Iwaszkiewicz, Rozewicz, Tuwim, Andrzejewski, Milosz and Herbert. Baer. (H).
- 401, 402 Independent Study of Russian Literature (1 to 3), (1 to 3).** Directed programs of independent study and research. Topics in the poetry and prose of the eighteenth, nineteenth and twentieth centuries. Depending on the student's qualifications, the readings will be either in translation or in the original. Baer.

### Course for Advanced Undergraduates and Graduates

- 511 The Russian Novel in Translation (3:3).** Survey of the Russian novel from the nineteenth (Pushkin, Gogol, Turgenev, Goncharov, Dostoevsky, Tolstoy), to the twentieth century (Belyj, Sologub, Pasternak and Solzhenitsyn). Analysis of artistic structure and ideas within the context of Russian literary history, philosophy and religious thought. Baer.

**Gerontology — See**  
Interdepartmental Studies.

**Greek — See Classical Civilization.**

**Health Education — See Health,**  
Physical Education, Recreation and  
Dance.

### Health, Physical Education, Recreation and Dance — School of

(209 Forney Bldg.)

Dean: Richard A. Swanson  
Assistant Dean: Marian K. Solleder

The School of Health, Physical Education, Recreation and Dance is comprised of four academic departments and the Office of Campus Recreation. Academic programs are offered through the Department of Dance, the Department of Physical Education, the Department of Public Health Education and the Department of Recreation and Leisure Studies. Each Department offers varied courses for all University students and programs of study leading to undergraduate majors and minors in their respective areas. Graduate studies leading to master's and doctoral degrees and the Certificate of Advanced Study are also offered by the School.

In the Department of Dance, the Bachelor of Fine Arts degree is offered with a major in Dance as a creative and performing art. The Bachelor of Science degree, with a major in Dance Education, is also available; one concentration leads



to teacher certification; a second concentration prepares a student for teaching in alternative settings. A Dance Minor and master's degree studies are also available.

In the Department of Physical Education, the General Studies concentration provides for the selection of a focus on biological or behavioral sciences, sports communication or a broad liberal studies approach to sport, exercise and physical education. The Teacher Education concentration prepares a student for K-12 teaching. Both concentrations lead to the Bachelor of Science degree. A Coaching Minor is also available, and graduate studies leading to the master's degree, the Certificate of Advanced Study and the doctoral degree are offered.

The Department of Public Health Education offers the Health Education major, leading to the Bachelor of Science degree, with concentrations in Community Health Education and School Health Education. The latter leads to K-12 teacher certification. A Health Studies Minor is available and also graduate studies leading to the master's degree.

In the Department of Recreation and Leisure Studies a major student may choose one of two areas of concentration, Therapeutic Recreation or Recreation Resources Management. Within the latter concentration an option may be selected in Environmental Education, Recreation and Park Management or Travel and Tourism. Both concentrations lead to the Bachelor of Science degree. A Recreation and Leisure Studies Minor is also available.

The School's programs are designed to meet specialized interests of students and also the requirements of state and national accrediting agencies and professional associations. Further details about specific major programs can be found in the individual Department listings on the following pages. Graduate programs are described in the University's **Graduate Bulletin**.

In addition to developing and organizing specialized programs in all of its Departments, the School also conducts recreation, intramural and club sports programs through the Office of Campus Recreation. These are designed within the framework of the educational philosophy of UNC-G, and provide opportunities for recreation and sports for all students and interested faculty and staff members.

## Dance — Department of

(101 Rosenthal Gym)

- Gay E. Cheney** (1976), Professor and Acting Head of Department/B.S., Bouve School-Tufts/M.S., Wisconsin/Ph.D., U.C.L.A.
- Emily G. Adams** (1979), Instructor/B.F.A., North Carolina School of the Arts/M.F.A., Hawaii. Part-time.
- Anne W. Deloria** (1975), Assistant Professor/B.S., M.S., Michigan.
- Gilfred L. Fray** (1981), Lecturer/B.A., UNC-G. Part-time.
- Margaret Kurtz** (1984), Lecturer/B.M.Ed., Mount Union College/M.A., California at Los Angeles. Second semester 1984-85.
- Dorothy B. Silver** (1974), Artist-in-Residence/B.A., Randolph-Macon Woman's College/M.F.A., UNC-G.
- Lydia Stewart** (1984), Lecturer/B.S., M.F.A., UNC-G. Part-time, first semester 1984-85.
- Susan W. Stinson** (1979), Instructor/B.A., Hood College/M.A., George Washington/Ed.D., UNC-G.

- Frank Vuipi** (1984), Lecturer/B.M., SUNY at Potsdam.
- John Walker** (1982), Lecturer. Part-time.

## Physical Education — Department of

(206 Forney Bldg.)

- Marie I. Riley** (1963), Associate Professor and Acting Head of Department/B.S., SUNY at Cortland/M.A., Iowa/Ph.D., Florida State.
- Pamela Allison** (1983), Lecturer/B.S., UNC-G/M.A.T., U.N.C. at Chapel Hill/Ed.D., UNC-G.
- Kate R. Barrett** (1970), Professor/B.S., Bouve-Boston College, Tufts/M.S., Ph.D., Wisconsin.
- Pearl Berlin** (1971), Professor/B.S., Sargent/M.S., Ph.D., Pennsylvania State. First semester 1984-85.
- Nelson E. Bobb** (1983), Lecturer and Director of Athletics/B.S., M.Ed., Kent State.
- Lynne P. Gaskin** (1965), Instructor/B.S., Wesleyan/M.S.P.E., UNC-G.
- Richard C. Gayle** (1984), Associate Professor/B.A., College of William and Mary in Virginia/M.S., Ed.D., Tennessee.
- Janet C. Harris** (1980), Associate Professor/B.S., M.S., U.C.L.A./Ph.D., California at Berkeley.
- Jerald D. Hawkins** (1984), Adjunct Associate Professor/B.S., Carson-Newman College/M.Ed., Memphis State/Ed.D., Georgia. Part-time, first semester 1984-85.
- Gail M. Hennis** (1950), Professor and Interim Dean of Graduate Studies/B.S., Purdue/M.S., Ph.D., Iowa.
- William B. Karper** (1978), Associate Professor/B.S., East Stroudsboung State College/M.S., Kean College of New Jersey/Ed.D., New York.
- George A. Lottes** (1983), Instructor/B.S., M.Ed., Ed.S., Missouri at Columbia.
- Rosemary McGee** (1954), Professor/B.S., Southwest Texas/M.S., Illinois State/Ph.D., Iowa. Leave of absence, second semester 1984-85.
- E. Doris McKinney** (1970), Professor/B.S., Sargent/M.S., Indiana/Ed.D., Boston/M.P.H., Minnesota.
- Thomas J. Martinek** (1976), Associate Professor/B.S., North Dakota/M.S., George Williams College/Ed.D., Boston.
- Stephen P. Messier** (1984), Adjunct Assistant Professor/B.S., M.S., Rhode Island/Ph.D., Temple. Part-time.
- Sarah M. Robinson** (1976), Associate Professor/B.S., UNC-G/M.S., Springfield/Ph.D., Wisconsin.
- Daniel R. Ross** (1982), Instructor/B.S., M.R.Ed., Brigham Young.
- Diane L. Spittler** (1984), Associate Professor/B.S., Mississippi State College for Women/M.Ed., South Carolina/Ph.D., Temple.
- Richard A. Swanson** (1980), Professor and Dean of School/B.S., M.Ed., Wayne State/Ph.D., Ohio State.
- James R. Swiggett** (1967), Instructor and Academic Adviser/B.S., High Point College/M.Ed., UNC-G.
- Elizabeth C. Umstead** (1968), Associate Professor/B.S., UNC-G/M.A., U.N.C. at Chapel Hill/M.Ed., Harvard/Ph.D., U.N.C. at Chapel Hill.

## Public Health Education — Department of

(350 Curry Bldg.)

- Keith A. Howell** (1982), Professor and Head of



Department/B.S., Pikeville College/M.A., Eastern Kentucky/Ph.D., Toledo.

- Daniel D. Adame** (1982), Assistant Professor/B.A., LaVerne/M.S.P.H., U.C.L.A./Ph.D., Cornell.
- Daniel Blbeau** (1984), Assistant Professor/B.S., M.S., Texas A & M/Ph.D., Pennsylvania State.
- Linda L. DeShazo** (1983), Instructor/B.S., James Madison/M.S., Tennessee.
- Mark B. Dignan** (1977), Adjunct Associate Professor/B.S., M.S., Utah/Ph.D., Tennessee.
- Karen King** (1976), Associate Professor/B.S., M.S., Slippery Rock State College/Ph.D., Pennsylvania State.
- Kenneth R. McLeroy** (1983), Assistant Professor/B.S., Houston/M.S., Oklahoma/Ph.D., U.N.C. at Chapel Hill.
- Kathleen D. Mullen** (1983), Assistant Professor/B.S., Central Michigan/M.S., Ball State/Ph.D., Southern Illinois.
- Donna Smith** (1984), Adjunct Instructor/B.S.N., Western Carolina/M.Ed., UNC-G.
- Marian K. Solleder** (1966), Professor and Assistant Dean/B.A., Oberlin College/M.A., Iowa/Ph.D., Ohio State.

## Recreation and Leisure Studies —

Department of

(211A Forney Bldg.)

- James R. Sellers** (1976), Professor and Head of Department/B.S., M.Ed., N.C. State/Ed.D., Georgia.
- Valerie C. Bryan** (1976), Instructor/B.A., Clemson/M.A., The Citadel.
- Thomas G. Gidley** (1982), Instructor/B.F.A., Georgia/M.S., West Virginia.
- Jesse A. Mann** (1978), Associate Professor/B.A., N.C. Central/M.S., U.N.C. at Chapel Hill/Ed.D., New York.
- Steven F. Phillip** (1981), Assistant Professor/B.S., California at Davis/M.Ag., Ph.D., Texas A & M.

## DANCE MAJOR (Bachelor of Fine Arts)

Required: 126 semester hours.

The **Dance Major** is planned to provide experience in dance as an art form with emphasis on creative and performance activities. Coursework in modern dance, ballet technique, choreography and performance and related arts are central in the curriculum, providing a basis for graduate study and for careers related to dance.

### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One course in English composition or exemption.
2. Three courses, other than dance, from Humanities Area (H).
3. Two courses in Natural Sciences & Mathematics Area (NSM): BIO 101 and elective.
4. Two courses from Social & Behavioral Sciences Area (SBS): recommended ATY 212.
5. Four additional courses, other than dance, from any one, all or combination of the three areas above or in an elementary foreign language.

### Major Requirements

49 semester hours in dance.

1. Appropriate level technique courses in ballet and modern dance every semester of residency - 16 semester hours.
2. Student must receive a grade of B or higher in at least one 300 level course in both ballet and modern dance.
3. DCE 100, 201 or 202, 215 or 216, 217, 250, 251, 340, 341, 343, 349, 350, 351, 470.
4. DCE 250 should be repeated once.
5. Six semester credits from the following: DCE 201, 202, 250, 342, 345, 446, 447 or 451.

### Related Area Requirements

1. ART 140 or 150.
2. MUS 207 or 578.
3. COM 250.

### Electives

Electives sufficient to complete total semester hours required for degree.

## DANCE EDUCATION MAJOR (Bachelor of Science)

Required: 126 semester hours.

The **B.S. In Dance Education** is planned to develop an understanding of dance as an art form and as creative arts education. In addition to core courses in various aspects of dance (including dance technique, choreography, performance, history and scientific foundations), dance education students also study the teaching/learning process in dance. Extensive observation/participation and laboratory experience with a variety of age groups are included.

The **Teacher Education Concentration** is for students desiring North Carolina certification for public school teaching K-12.

The **Teaching In Alternative Settings Concentration** is for students desiring to teach in non-school settings.

### Teacher Education Concentration

### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One English composition course or exemption.
2. Two courses in physical education.
3. Three courses, other than dance, from Humanities Area (H). Select from art, philosophy, music and/or drama.
4. Two courses from Natural Sciences & Mathematics Area (NSM): BIO 101, mathematics.
5. Two courses from Social & Behavioral Sciences Area (SBS) including PSY 221.
6. Four additional courses, other than dance, from any one, all or combination of the three above areas or in an elementary foreign language.



**Major Requirements**

61 semester hours in dance.

1. Appropriate level technique courses in ballet and modern dance every semester in residence up to 14 semester hours.
2. Student must receive a grade of B or higher in at least one 200 level course in both ballet and modern dance.
3. DCE 100, 201 or 202, 216, 217, 250, 251, 340, 342, 345, 350, 351, 446, 447, 460, 461, 462, 463, 470.
4. DCE 250 should be repeated once.
5. One course elected from: DCE 341 or 451.
6. Remaining dance courses elected from DCE 201, 202, 215, 343, 349 or 250 (production only).

**Related Area Requirements**

MUS 207 or 578.

**Teacher Certification Requirements**

(See Teacher Education Chapter for full explanation.)

1. Speech screening test and appropriate course if test results indicate.
2. HEA 201.
3. EDU 381 and 430 or 450.
4. EDU 470.

**Electives**

Electives sufficient to complete total semester hours required for degree (126).

**Teaching in Alternative Settings Concentration**

**Liberal Education Requirements**

(See Curriculum Chapter for full explanation.)

1. One English composition course or exemption.
2. Three courses, other than dance, from Humanities Area (H).
3. Two courses from Natural Sciences & Mathematics Area (NSM): BIO 101 and natural science or mathematics elective.
4. Two courses from Social & Behavioral Sciences Area (SBS) including PSY 221.
5. Four additional courses, other than dance, from any one, all or combination of the three above areas or in an elementary foreign language.

**Major Requirements**

61 semester hours in dance.

1. Appropriate level technique courses in ballet and modern dance every semester in residence up to 14 semester hours.
2. Student must receive a grade of B or higher in at least one 200 level course in both ballet and modern dance.
3. DCE 100, 201 or 202, 216, 217, 250, 251, 340, 342, 345, 350, 351, 446, 447, 460, 463, 464, 470.
4. DCE 250 should be repeated once.
5. One course elected from DCE 341 or 451.

6. Remaining dance course elected from: DCE 201, 202, 215, 343, 349 or 250.

**Related Area Requirements**

1. MUS 207 or 578.
2. HEA 201 or PED 390 or HEA 338.
3. EDU 430 or 450.

**Electives**

Electives sufficient to complete total semester hours required for degree (126).

**Minor in Dance**

A **Dance Minor** is available for students not wishing to specialize but who have an interest in dance and want a concentration of study in the area to complement an affiliated program of study. Coursework is individualized within the outline presented below. (Students will register with the Head of the Dance Department.)

Courses will be chosen in each area of:

- Technique — Ballet, Modern Dance, Jazz, Ethnic
- Creative Work — Improvisation, Choreography, Repertory, Performance, Creative Synthesis
- Historical/Cultural Aspects — Introduction to Dance, Dance Appreciation, Dance History

The minor will include a minimum of 18 hours, with no more than 9 in any one of the above areas. Additional coursework may be chosen from remaining dance electives in related areas to total 18 hours.

Students seeking endorsement in dance from the State Department of Public Instruction will have additional course requirements and must consult the Dance Department.

**HEALTH EDUCATION MAJOR (Bachelor of Science)**

There are two health education concentrations available, Community Health Education and School Health Education. Each requires the completion of a minimum of 124 semester hours.

**The Community Health Education Concentration** is designed to prepare students for careers within a variety of health settings. Opportunities for health educators are available in national, state and local health agencies, health/human services organizations, business and industry.

**The School Health Education Concentration** prepares students for teaching positions in public and private schools and, with the selection of appropriate elective courses, for some types of health education positions in community health agencies and organizations.

**Admission to the Health Education Major Programs**

As soon as a student wishes to declare a health education major, he should consult with the Admissions Coordinator, in order to be assigned an adviser and receive information about the various aspects of the programs.



**Admission to the Professional Program** is based upon the following criteria:

1. Completion of a minimum of 12 semester hours at UNC-G.
2. Achievement of a minimum quality point average of at least 2.2 upon the completion of 60 credit hours.

**Admission to the Senior Practicum** (HEA 428 or HEA 461, 462) is based upon the following criteria:

1. Prior admission to the Professional Program.
2. Completion of all early field experience requirements.
3. Achievement of a quality point ratio of at least 2.2.
4. Achievement of a quality point ratio of at least 2.5 in all **Health** courses.

Information about specific procedures to follow in seeking admission to either of the health education programs can be obtained from the Department Head, the Admissions Coordinator, or the student's adviser in the Public Health Education Department.

### Community Health Education Concentration

Required: 124 semester hours.

### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One course in English composition or exemption.
2. Three courses from Humanities Area (H).
3. Two courses from Natural Sciences & Mathematics Area (NSM): to be fulfilled by BIO 101, 102.
4. Two courses from Social & Behavioral Sciences Area (SBS): to be fulfilled by PSY 221 and SOC 211.
5. Four additional courses from any one, all or combination of the three areas above or in an elementary foreign language.

### Major Requirements

43 semester hours in health.

HEA 201, 310, 327, 340, 345, 360, 369, 405, 428, 467, 480, 515, 520, 525.

### Related Area Requirements

19 semester hours as follows:

1. BIO 277, COM 341, LST 547, SOC 232 or PSY 347.
2. Two of the following from two different departments: BIO 380, PSC 210, 223, HEA 347, psychology elective.

### Electives

Electives sufficient to complete total semester hours required for degree, including speech test and appropriate course if test results indicate.

### School Health Education Concentration

Required: 124 semester hours.

### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

Same as for Community Health Education Concentration.

Note: Where appropriate, teacher certification course requirements (listed below) may be selected to fulfill liberal education requirements.

### Major Requirements

40 semester hours in health.

HEA 327, 338, 345, 360, 369, 460, 461, 462, 463, 464, 465, 467, 480, 520, 525.

### Related Area Requirements

1. BIO 277, COM 341, LST 547, FNS 213, SOC 232 or PSY 347.
2. Two of the following courses from two different departments: PSC 210, 223, CDF 412, HEA 310, 347, 450, psychology elective.

Note: Total Health Education hours in major requirements not to exceed 42.

### Teacher Certification Requirements

(See Teacher Education Chapter for full explanation.)

1. Meet speech screening test requirements and appropriate course if test results indicate.
2. HEA 201.
3. EDU 381, 450 and 470 or 517.
4. Two semester hours in physical education.

### Electives

Electives sufficient to complete total semester hours required for degree.

### Minor in Health Studies

This program requires the completion of at least 17 hours of coursework including HEA 201, FNS 213, PED 220, and nine hours of HEA courses above the 200 level. Courses to be counted toward the minor must be completed with a grade of C or above. Students registering for the minor must have completed at least 12 semester hours at UNC-G and possess a GPA of at least 2.2. No more than three courses (including those enrolled in during the semester of registration) may be accepted into the minor at the time of program registration. Students interested in the minor should contact the Department of Public Health Education.

## PHYSICAL EDUCATION MAJOR (Bachelor of Science)

### General Concentrations

Liberal Studies  
Scientific Studies  
Sport Communication

Required: 122 semester hours.

The **General Physical Education Major** has three concentrations with six curricular options, none of which leads to teacher certification.



**The Liberal Studies Concentration** is designed for those students who have a broad interest in human movement as an academic discipline with a theoretical base. It continues the premise of broad study from the University liberal arts requirements by ensuring academic work in aesthetic and performance, historical and philosophical, and behavioral and biological areas. The program has no specific career orientation in keeping with the general view of liberal arts studies.

**The Scientific Studies Concentration** is designed for students preparing for graduate or professional schools in programs related to (1) exercise physiology option, (2) biomechanics option or (3) the behavioral foundations option of physical education and sport. These options are provided primarily for those students who, upon entering undergraduate school, have well-defined professional goals which require advanced degrees. The exercise physiology option also can be used for preparation in fitness leadership as a career.

**The Sport Communication Concentration** provides options for the student seeking career preparation in either sport journalism or sport broadcasting (radio/TV).

#### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One course in English composition or exemption.
2. Three courses from Humanities Area (H). For **Radio TV Sport Option**, include COM 172.
3. Two courses from Natural Sciences & Mathematics Area (NSM): BIO 101, 102.
4. Two courses from Social & Behavioral Sciences Area (SBS): For **Behavioral Foundations Option**, include PSY 221. For **Sport Journalism/SiD Option**, include SOC 201 or 211. For **Radio/TV Sport Option**, include SOC 201 or 211 and PSY 221.
5. Four additional courses from any or all of the three areas above: For **Liberal Studies Concentration** and **Biomechanics Option**, include BIO 271, 277. For **Exercise Physiology Option**, include CHE 104, BIO 271, 277. For **Behavioral Foundations** and **Sport Communication Options** include BIO 271.

#### Major & Related Area Requirements

##### Core Courses for the General Concentrations

1. PED 109, 291, 351, 376, 476, 480; 10 semester hours including individual and dual sports, team sports, dance and aquatics (at least **three** activities must be completed at intermediate level or higher in two of the above four areas).

##### Liberal Studies Concentration

1. PED 210, 290, 352, 563, 575; 2 semester hours of non-traditional activities; 3 semester hours of physical education elective. Required: 42 semester hours in physical education.
2. Related Areas: DCE 100 or ART 105 or 190; **one** of the following: DCE 201, 202, 522, 523; PED 474; **two** of the following: BIO 231; FNS 213; CDF 302 or EDU 201 or HEA 369; EDU 202; ATY 101, 253; PSY 450; PED 431, **two** of the following from different departments: HEA

310; REC 101; ATY 212, 213, 348; PED 373, 488; PSY 326, 342, 347; SOC 201, 211, 232, 561, 571.

##### Scientific Studies Concentrations/Exercise Physiology Option

1. PED 575. Required: 28 semester hours in physical education.
2. Related Areas: BIO 355, 380; CHE 103, 114, 114L; CSC 137; STA 108, 571, 572; one additional science course.

##### Scientific Studies Concentration/Biomechanics Option

1. PED 431, 575. Required: 31 semester hours in physical education.
2. Related Areas: CSC 137; STA 108, 571, 572; PHY 101, 102 (if student has had no calculus) or PHY 291, 292 (if student has had calculus); 6 to 7 additional hours in science courses.

##### Scientific Studies Concentration/Behavioral Foundations Option

1. PED 488. Required: 28 semester hours in physical education.
2. Related Areas: STA 571 or 572; **seven** of the following from at least two different departments: ATY 101, 213, 348; PHI 111, 201; PSY 312, 326, 341, 342, 345, 347, 440, 505; SOC 201, 211, 232, 428, 561, (if SOC 232 is selected, PSY 342, 361 may be taken rather than PSY 347.)

##### Sport Communication Concentration/Sport Journalism/SiD Option

1. PED 210, 290, 471, 474, 477. Required: 38 semester hours in physical education.
2. Related Areas: SOC 331; HEA 236; ENG 219, 319; LST 547, 562.

##### Sport Communication Concentration/Radio/TV Sport Option

1. PED 210, 373, 471, 474, 488. Required: 39 semester hours in physical education.
2. Related Areas: SOC 331; COM 210, 291, 380, 392, 540.

#### Electives

Electives sufficient to complete total semester hours required for degree.

## PHYSICAL EDUCATION MAJOR (Bachelor of Science)

### Teacher Education Concentration

Required: 123-125 semester hours.

**The Physical Education Teacher Education Concentration** leads to certification for teaching in North Carolina and many other states. This certification is designed for grades K-12. The curriculum in teacher education provides students with some opportunity to elect courses which focus on greater depth for elementary or secondary level teaching or coaching. Throughout the program of preparation for teaching, there are extensive opportunities for observation, participation, assisting and "mini-teaching" and coaching experiences with public school students. There is also opportunity to study and



have field experiences in teaching and coaching students with special needs.

### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One course in English composition or exemption.
2. Three courses from Humanities Area (H).
3. Two courses from Natural Sciences & Mathematics Area (NSM): BIO 101, 102.
4. Two courses from Social and Behavioral Sciences Area (SBS) including PSY 221.
5. Four additional courses from any one, all or combination of the three areas above or in an elementary foreign language. Include BIO 271, 277.

Note: Where appropriate, teacher certification requirements may be selected to fulfill liberal education requirements.

### Major Requirements

51 semester hours in physical education.

PED 85, 86, 87, 89, 94, 95, 96, appropriate level swimming, 98, 99, 109, 210, 217, 351, 354, 359, 369, 373, 376, 381, 449, 452, 454, 461, 462, 464, 468, 470, 575, plus additional elected activity courses to make a total of 8 hours activity courses two of which must be Level II or above.

### Related Area Requirements

HEA 236 or 338.

### Teacher Certification Requirements

(See Teacher Education Chapter for full explanation.)

1. Meet speech screening test requirements.
2. HEA 201.
3. EDU 381 and EDU 450.
4. One course in the teaching of reading.

### Admission to Teacher Education

(See University requirements in Teacher Education Chapter.) Students who have not been admitted to the Teacher Education Program may not enroll in PED 354, 454, 449, 452, 470, 464, or 461, 462.

### Electives

Electives sufficient to complete total semester hours required for degree. Up to 11 semester hours may be taken in physical education.

### Coaching Minor

Any degree-seeking student at UNC-G may choose coaching as a minor. A minimum of 15 semester hours is required.

Required: HEA 338 or American Red Cross First Aid and Certification (n.c.), PED 390, 477 and 488. Elect two courses from a list of approved courses obtained from physical education adviser.

## RECREATION AND LEISURE STUDIES MAJOR (Bachelor of Science)

### Concentrations in

Therapeutic Recreation  
Recreation Resources Management

Required: 122 semester hours.

**The Recreation and Leisure Studies Major** is designed to prepare students for supervisory, middle-management and planning positions in one of two areas of concentrations: Therapeutic Recreation and Recreation Resources Management. The program is accredited by the National Recreation and Park Association's Council on Accreditation. Graduates may find career opportunities in a variety of recreational and leisure service settings. These include municipal and regional recreation programs, state and federal outdoor/environmental programs, recreation programs and services for special populations and commercial recreation resort developments. Students are prepared to pursue graduate study in the field of recreation and leisure studies at a number of major colleges and universities.

### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One course in English Composition or exemption.
2. Three courses from Humanities Area (H).
3. Two courses from Natural Sciences and Mathematics Area (NSM): BIO 101 or 102, or 105. Students in Therapeutic Recreation Concentration must complete BIO 101 and 102.
4. Two courses in Social and Behavioral Sciences Area (SBS).
5. Four additional courses from any one, all or a combination of the three areas above or in an elementary foreign language. Include STA 108.

### Major and Related Area Requirements

**Core Courses for All Concentrations and Program Options:**  
REC 101, 102, 201, 202, 203, 301, 310, 401, 411, 441, 451.

### Therapeutic Recreation Concentration

1. REC 261, 361, 561.
2. Related areas: CDF 302, PSY 341, PED 381, physical education activity course, and **two** of the following from different departments: COM 335, HEA 338, 360, EDU 310, BIO 271, 277.

### Recreation Resources Management Concentration

1. REC 321, 431, 551.
2. One of three sets of courses according to option selected:
  - a. Environmental Education: REC 241, BIO 301, EDU 375, GEO 111, 205.
  - b. Recreation and Park Management: REC 304, MGT 310, 330; one of the following: COM 342, 344; one of the following: PSC 210, 310, 324.
  - c. Travel and Tourism: REC 341, MGT 320, 421, 524, COM 342.



## Electives

Electives sufficient to complete total semester hours required for degree.

## Recreation and Leisure Studies Minor

The **Recreation and Leisure Studies Minor** complements majors in a variety of fields, including biology, business administration, child development, geography, history, physical education, political science, public health education, psychology and social work. The minor consists of fifteen (15) semester hours including REC 101, 201, 301 and two additional courses to be selected according to interest and with the approval of a recreation and leisure studies faculty member. Students should register for the Recreation and Leisure Studies Minor in the Recreation and Leisure Studies Department, 211A Forney.

## Dance-DCE/courses

### Courses for Undergraduates

- 100 Introduction to Dance (3:3).** Orientation to the art of dance and the principles governing it. The presentation of materials and experiences related to a realistic concept of the roles of dance in society. (H), (CFA).
- 103 Beginning Modern Dance I (1:0:3).** Introduction to the movement techniques of modern dance. Open to all students.
- 104 Beginning Modern Dance II (1:0:3).** Continuation of study of the modern dance form as a technique and an art. Developing a refined kinesthetic sense and learning the importance of body feedback. Pr. 103 or permission of instructor.
- 105 Beginning Ballet I (1:0:3).** Introduction to the techniques of the classical ballet including alignment, positions, port de bras and allegro combinations. Open to all students.
- 106 Beginning Ballet II (1:0:3).** Continued study of classical ballet techniques. Basic alignment, positions, simple adagio and petit allegro will be stressed to prepare the student for the intermediate level. Pr. 105 or permission of instructor.
- 107 Classical Ballet Technique of the Danseur (1:0:3).** An introduction to the study of classical ballet technique with emphasis upon men's technique. Pr. consent of instructor.
- 108 Classical Ballet Technique of the Danseur II (1:0:3).** Continued study of classical ballet with emphasis on men's techniques for jumps, turns, and basic partnering. Pr. 105 or 107 or permission of instructor.
- 111 Modern Dance (1:3).** Introduction to the movement techniques of modern dance. Placement by audition. For dance majors only.
- 112 Modern Dance (1:3).** Continuation of 111. For dance majors only.
- 113 Ballet (1:3).** Introduction to the study of classical ballet techniques. Placement by audition. For dance majors only.
- 114 Ballet (1:3).** Continuation of 113. For dance majors only.
- 116 Beginning Jazz Dance (1:3).** An introduction to the style, technique and rhythmic structures of jazz dance with emphasis on increasing movement capabilities and personal expression. May be repeated once for credit.
- 200 Dance Appreciation (3:3).** Dance as an art form: historical and aesthetic perspectives, basic dance elements and the relationship to other arts. Lectures, films, demonstrations and practical dance experience. Non-dance majors only. (H), (CFA).
- 201 History of Dance I (Primitive Period—1300 A.D.) (3:3).** A study of the history and philosophy of dance in selected geographical locations from the period of Primitive Man (50,000 B.C.-3400 B.C.) through the Period of the Crusaders (1100-1300). (H), (CFA).
- 202 History of Dance II (1450 to Contemporary History) (3:3).** A study of the history and philosophy of dance in selected geographical locations from the Period of the Renaissance (1450 to 1600) through the Contemporary Period of history. (H), (CFA).
- 203 Low Intermediate Modern Dance I (1:0:3).** Refinement of beginning skills, emphasis on development of technical abilities and performance qualities. Open to all students. Pr. permission of instructor.
- 204 Low Intermediate Modern Dance II (1:0:3).** For the student capable of basic modern techniques. A more serious study of modern dance with emphasis on individual expression through technique and improvisation. Pr. 104, 203 or permission of instructor.
- 205 Low Intermediate Ballet I (1:0:3).** Technique course designed to increase skills in classical ballet. Open to all students. Pr. permission of instructor.
- 206 Low Intermediate Ballet II (1:0:3).** Continued study of the art of classical ballet with increased complexity of adagio and allegro work. Pr. 205 or permission of instructor.
- 211 Modern Dance (1:3).** Technique course designed to increase skill in modern dance. Pr. two semesters of modern dance. For dance majors only. May be repeated for credit.
- 212 Modern Dance (1:3).** Continuation of 211. For dance majors only. May be repeated for credit.
- 213 Ballet (1:3).** Technique course designed to increase skill in classical ballet. Pr. two semesters of ballet. For dance majors only. May be repeated for credit.
- 214 Ballet (1:3).** Continuation of 213. For dance majors only. May be repeated for credit.
- 215 Ethnic Dance/Character Dance (1:3).** Folk and ethnic dances of Europe, Near and Far East, Africa and the Americas as they relate to concert dance. Pr. two semesters of dance technique or consent of instructor. May be repeated for credit.
- 216 Intermediate Jazz Dance (1:0:3).** Continuation of 116. Pr. 116 or permission of instructor. May be repeated once for credit.
- 217 Exploration and Improvisation in Dance (1:3).** Guided exploration in the elements of dance for the creative development of personal movement repertoire, spontaneous group interaction and choreographic



skills. May be repeated for credit. Pr. two semesters of college level dance or equivalent.

- 250 Dance Company (1:0:3).** Available to members of the dance company and to students interested in any phase of dance production. Membership in the company is open to all students by auditions which are held early in each semester. Students interested in production must have the permission of the Artistic Director. May be repeated for credit.
- 251 Time and Space/Design in Dance (2:3).** The study of the elements of time and space as they are artistically significant in themselves and in organized forms of meaning in dance. Considering time and space design in related fields of music and art will be included as relevant to choreographic design and communication in dance. Pr. two semesters of college level modern dance and ballet or equivalent, MUS 207.
- 303 High Intermediate Modern Dance I (1:0:3).** Continuation of technical and aesthetic principles of contemporary dance. Emphasis on individual style and creative expression. Pr. permission of instructor.
- 304 High Intermediate Modern Dance II (1:0:3).** Modern dance technique for the serious student of dance who is interested in broadening and refining the dance experience. An introduction to the commitment of dance. Pr. 303 or permission of instructor.
- 305 High Intermediate Ballet I (1:0:3).** Continuation of classical ballet technique with emphasis on petit and grand allegro, adagio and variations. Open to all students. Pr. permission of instructor.
- 306 High Intermediate Ballet II (1:0:3).** Continued study of the art and technique of classical ballet to prepare the student for the advanced level. Pr. 305 or permission of instructor.
- 311 Modern Dance (1:3).** Coordinating course designed to increase skill in technique and use of related theatrical elements. Pr. 211 and 212 or equivalent. For dance majors only. May be repeated for credit.
- 312 Modern Dance (1:3).** Continuation of 311. For dance majors only. May be repeated for credit.
- 313 Ballet (1:3).** Coordinating course designed to increase skill in classical ballet techniques and pointe work. Pr. 213 and 214 or equivalent. For dance majors only. May be repeated for credit.
- 314 Ballet (1:3).** Continuation of 313. For dance majors only. May be repeated for credit.
- 316 Advanced Jazz Dance (1:0:3).** Continuation of 216 for further development of skill, style, understanding of the jazz form of dance. May be repeated once for credit. Pr. 216 or permission of instructor.
- 340 The Body and Motion in Dance (3:2:2).** A study of the body and movement as relevant to dance and applied to dance technique. Care of the dance instrument through overview of nutrition, prevention and care of injuries. Taught with a movement lab. Pr. BIO 101.
- 341 Accompaniment for Dance (2:3).** A study of the relationship of sound and movement, accompaniment and dance, accompaniment/composer and teacher/choreographer and a practical application of these understandings. Pr. 251, MUS 207 or basic music background.
- 342 Teaching Social, Folk and Country Dance (2:3).** Teaching of American square, social, contra and round, and international folk dance. Includes study of sociocultural, historical, geographic, and musical influences on the development of dance forms. Pr. dance major or permission of instructor.
- 343 Dance Repertory (1:3).** The systematic learning of a choreographic work in repertory. Emphasis on the structure, quality, meaning and cultural/historical implication of the dance as an art form. Includes final performance of the work in a theatrical setting. Pr. dance major with two semesters of dance technique or permission of instructor. May be repeated for credit.
- 345 Experiential Foundations for Dance Education (2:1:3).** Examination of the nature of dance, its significance in personal/social development and being, and the teaching/learning process. Participation/observation in school and community settings.
- 349 Movement for the Stage (2:3).** Movement for the stage examining and applying theories of movement and metakinetic process. Emphasis on development of movement roles within various styles of theatre. Pr. 103 or 203 or equivalent and COM 251 or by consent of instructor.
- 350 Dance Production (3:4).** Theoretical and practical experiences will be offered to foster the acquisition of sufficient skills, knowledges and sensitivities in order to project the choreographer's intent through visual and auditory techniques in a dance production.
- 351 Process in Choreography (2:3).** Study of and experience in various approaches to the choreographic process as related to artistic concepts and to the philosophy of art as espoused by various traditional and contemporary dance artists and as developed by the individual student. Pr. 251.
- 411 Modern Dance (1:3).** Advanced work in the skills and techniques of modern dance. Pr. 311 and 312 or permission of instructor. May be repeated for credit.
- 412 Modern Dance (1:3).** Continuation of 411. Pr. permission of instructor. May be repeated for credit.
- 413 Ballet (1:3).** Advanced work in the skills and techniques of classical ballet. Pr. 313 and 314 or permission of instructor. May be repeated for credit.
- 414 Ballet (1:3).** Continuation of 413. For dance majors only. May be repeated for credit.
- 446 Perspectives on Dance Education (3:3).** Theoretical foundations in dance education and their implications for curriculum and teaching. Pr. 345.
- 447 Field Experience in Dance Education (3:2:3).** Development of teaching skills in dance in public school and/or community settings. For dance majors only. Pr. 345, 446 and permission of instructor.
- 451 Organization and Administration of Dance (3:3).** Administration of dance programs in secondary schools, private studios and recreation centers. Special reference to the organization of dance clubs and dance companies. Specific opportunities to examine one's philosophy in relation to contemporary



trends and future implications. Pr. dance major or consent of instructor.

- 460 Observation In Dance Education (2:6).** Observation and participation in the dance education setting prior to student teaching. For senior majors in dance education as a part of the senior practicum. Pr. senior student in dance education.
- 461, 462 Student Teaching in Dance Education (3), (3).** Supervised student teaching experience in dance education. Full-time teaching in a school setting. Admission by application only. Acceptance contingent upon approval by Dean.
- 463 Seminar in Dance Education (2:2).** Summary and evaluation of student teaching experience, designed to serve as a guide in coordination of interpretations, philosophy and understanding in dance education. Pr. all dance education major requirements.
- 464 Practicum In Dance Education (3 to 6).** Supervised experience teaching dance in non-public school setting. Arranged through cooperative effort of student and supervisor. Pr. 447 and approval of instructor.
- 470 Creative Synthesis In Dance (2:4).** A project-oriented experience intended to coordinate the work of a student and to serve as a guide in the synthesis of philosophy, experience and understanding of dance as an art or entertainment form and/or dance as education, having an artistic or scholarly outcome. Pr. 251, 351 and senior dance major.
- 475 Independent Study (1 to 3).** Intensive work in area of special interest in dance. Available to exceptionally qualified students on the recommendation of academic adviser and instructor. Pr. demonstrated competency for independent work and consent of academic adviser and instructor.
- 476 Selected Topics In Dance (1 to 3).** Current topics and issues in dance as art, education or therapy for students with sufficient preparation for intensive study of identified area. May be taken twice for credit. Pr. consent of instructor.

### Courses for Advanced Undergraduates and Graduates

- 522 Anthropological Bases of Dance (3:3).** Dances of primitive and developed cultures. Folk, court dances and ballet as expressions of social forms and cultures.
- 523 Dance of the Twentieth Century (3:3).** Development and trends of various types of dance; their relationship to older social forms and cultures, to developments in other arts today and to present-day social pattern.
- 524 Contemporary Dance Artists: Techniques and Theories (3:1:6).** Study and practice of the theory and technique of selected contemporary dance artists. Focus to vary each semester. May be repeated for credit. Pr. advanced level of dance technique.
- 550 Creative Process: Dance Perspective (3:3).** Exploration and examination of issues related to creativity and the creative process in dance and

related arts. Includes experiential and theoretical modes of encounter. Pr. advanced standing in an arts program or permission of instructor.

- 560 The Dancer's Body (3:3).** An exploration of selected approaches to body awareness, integration, and release, and their implications for dance technique and performance. Pr. two semesters of dance technique and equivalent of 340, or permission of instructor.

### Courses for Graduates

- 610 Dance: The Phenomenon I (3:3).**
- 611 Dance: The Phenomenon II (3:3).**
- 620 Rhythmical Analysis (3:3).**
- 621 Administration of the Dance Curriculum (3:3).**
- 622 Dance Criticism (3:3).**
- 651 Studio Problems in Choreography (3:3).**
- 660 Issues in Planning the Dance Curriculum (3:3).**
- 662 Practicum in Teaching Dance (3).**
- 676 Problems Seminar (3).**
- 680 Seminar in Dance Education (3:3).**
- 687 Practicum in Dance Performance (3).**
- 690 Experimentation and Analysis (3:3).**
- 695 Independent Study (1 to 3).**
- 699 Thesis (3 to 6).**
- 800 Graduate Registration.**
- 801 Graduate Registration.**

## Health-HEA/courses

### Courses for Undergraduates

- 201 Health: A Personal Look (3:3).** Study of health needs and problems designed to foster understandings and attitudes needed for intelligent decision-making related to present and future health behaviors. Fulfills teacher certification requirements. Elective for all others.
- 236 First Aid (1:1).** American Red Cross Standard Course leading to certification for those who qualify. Students may not take both 236 and 338 for credit.
- 310 Emotional Health (3:3).** Consideration of positive emotional health as an integral factor in the total health and well-being of the individual.
- 327 Foundations for Community Health Education Practices (3:3).** Orientation to community health and principles governing it. Special emphasis on role of community health educator and his responsibilities with regard to total community health framework. Pr. 201 and enrollment in health education major or permission of instructor.
- 330 Family Health (3:3).** Factors contributing to health of the family at various stages in the life cycle, with emphasis on selected health problems as they affect family health maintenance and promotion. Pr. 201 or permission of instructor. Elective for sophomores, juniors, and seniors.



- 331 Alcohol and Health (3:3).** Analysis of alcohol use, effects, associated disorders and preventive approaches. Emphasis upon physiological and psychosocial considerations. Exploration of behaviors, knowledge and attitudes related to alcohol use/non-use/abuse.
- 334 Community Health (3:3).** Overview of complex social, health and medical problems of modern society, with special emphasis on community programs for solving them. Study of programs of official and voluntary health agencies, designed to promote and protect the health of citizens, observed through field trips, discussed by guest lecturers and studied through other forms of enrichment. Pr. 201 or permission of instructor.
- 338 Safety and First Aid (3:3).** Factors essential to safety in home, school and community. American Red Cross Advanced First Aid and Emergency Care Course. Cardiopulmonary Resuscitation Modular Course (CPR). Certification as an instructor for those who qualify. Elective for sophomores, juniors, seniors. Students may not take both 236 and 338 for credit.
- 340 Observation and Participation in Community Health Agencies (2).** Observation of modern community health practice in local health agencies. With cooperation of health agency staff members, student receives practical experience through participation in selected agency activities. Pr. 327 and/or permission of instructor.
- 341 Elementary School Health (3:3).** Health content relevant to college students followed by analysis of such content to derive health information appropriate for elementary children. Includes methodologies for conduct of elementary school health program.
- 345 Field Experiences in Health Education (2:1:3).** Observing and assisting in health education programs in selected agencies and schools. Development of observation and teaching skills. Health education majors only. Pr. 201, 327; and completion of or concurrent enrollment in 310 or 369.
- 347 Health Problems of Lower Income Groups (3:3).** Ramifications of poverty-health complex in United States and social differences in physical and mental illness. Emphasis on identification of specific health problems common among the poor and detailed inspection of characteristics of poverty which contribute to these health conditions. Pr. sophomore standing or higher.
- 360 Human Sexuality (3:3).** The development and resolution of personal sexuality with emphasis on selected physical, emotional and social aspects. Pr. 201 or permission of instructor. (SBS).
- 361 Sexuality Education: Content and Methods (3:3:1).** Content and methods for sexuality education among young adults. Emphasis on enhancing student understanding of sexuality through the planning and implementation of selected learning activities. Pr. 360 and permission of instructor.
- 369 Lifetime Health Concerns (3:3).** Selected predictable physical, mental and social health concerns from prenatal life through adulthood. Special emphasis on prenatal life through adolescence. Pr. 201 or BIO 277.
- 405 Program Planning and Evaluation (3:3).** The process of implementing specific health programs in the community. Total program development emphasized with attention given to defining community problems, overcoming community resistance, selecting appropriate educational methods and conducting evaluation activities. Pr. 340.
- 428 Community Health Field Work (3 to 6).** Experience in community health agency using techniques and practices of health educator under supervision of University and agency personnel. Designed for seniors in Community Health Education and other qualified students with permission of instructor. May be repeated for credit to a maximum of six hours. Pr. completion of requirements for senior standing in Community Health Education or permission of instructor.
- 450 Current Health Problems (3:3).** Examination of selected health problems including cardiovascular diseases, cancer, death and dying, and others that are of current pertinence. The nature of the problems themselves as well as the impact on society, will be studied. Pr. 201 and a major in health education or permission of instructor.
- 460 Observation and Participation in School Health Education (2:2).** Analysis of observation and participation techniques. Observation of pupils, class activities and teaching methods. Participation in teaching-learning process. Practical experience in observation and participation in public schools on elementary and secondary levels. Pr. senior standing in School Health Education or permission of instructor.
- 461, 462 Student Teaching in Health Education (4), (4).** Teaching of health, under supervision. Full-time teaching in city schools and/or teaching centers in the state. Admission by application only. Acceptance contingent upon approval of the Department Head.
- 463 Seminar in School Health Education (2:2).** Consideration and evaluation of student teaching experiences and identification of opportunities for future professional growth. Pr. 461, 462.
- 464 Administration of the School Health Program (2:2).** Administration of the school health program, with particular emphasis on program planning, implementation and school-community relations. Pr. 461, 462.
- 465 Elementary School Health Education (2:2).** Integration and application of principles from general education and secondary health education for grades K-6. Emphasis on content selection and teaching methodology appropriate to the elementary school. Pr. 461, 462.
- 467 Teaching Methods in Health (3:3).** Philosophy and practice of health education with emphasis on problem-centered teaching methodologies and instructional materials. Pr. senior standing in health education or permission of instructor.
- 475 Independent Study (1 to 3).** Intensive work in an area of special interest in health education. Available to qualified student on recommendation of academic adviser and instructor. Pr. demonstrated competency

for independent work and consent of academic adviser and instructor.

- 480 Social and Philosophical Foundations of Health Education (3:3).** Social and philosophical foundations of school and community health education programs in society from the perspective of historical development and current and future roles. Pr. senior standing in the health education major program.

### Courses for Advanced Undergraduates and Graduates

- 515 Epidemiology (3:3).** The study of the distribution and determinants of disease occurrence with emphasis on application to health education. Pr. 327 or permission of instructor.
- 520 The School Health Program (3:3).** Total school health program (healthful environment, health services and health instruction including curriculum) and its contribution to health and education of children and youth. Pr. 327 or 334 or permission of instructor.
- 525 Evaluation in Health Education (3:3).** Consideration of existing health education instrumentation and its construction and usage to evaluate health knowledge, attitudes, behavior and programs. Pr. 520 and upper-level or graduate standing in health education or permission of instructor.
- 540 Seminar in Health (3:3).** Current problems, issues and trends in health education and health sciences, with emphasis on analysis of research and literature. Pr. 480, 520 and senior standing in health education or permission of instructor.
- 560 Human Sexual Relationships (3:3).** The development of human sexuality and ensuing interpersonal relationships and sexual behavior in today's society.

### Courses for Graduates

- 600 Contemporary Problems in Health (3:3).**
- 606 Workshops in Health Education (1 to 3).**
- 621 Human Health Resources I (3:3).**
- 622 Human Health Resources II (3:3).**
- 635 Health Education in the Community and School (3:3).**
- 650 Field Experience in Community Health Education (3 or 6).**
- 676 Problems Seminar (3).**
- 695 Independent Study (1 to 3).**
- 699 Thesis (3 to 6).**
- 800 Graduate Registration.**
- 801 Graduate Registration.**

## Physical Education-PED/courses

### Elective Courses in Physical Education

Any University student may take up to eight (8) hours of elective credit in physical education activity courses to apply toward graduation.

- 57-79 Selected Activities — Elective program (.5:3 [½ semester]).** For Teacher Education Concentration. 57 — Synchronized Swimming; 58 — Competitive Swimming; 59 — Swimming II; 60 — Lacrosse; 61 — Field Hockey I; 62 — Field Hockey II; 63 — Soccer II; 64 — Volleyball Officiating; 65 — Volleyball II; 66 — Basketball Officiating; 67 — Basketball II; 68 — Softball I; 69 — Softball II; 74 — Track and Field II; 75 — Tennis II; 76 — Fencing; 77 — Bowling; 78 — Badminton; 79 — Archery.
- 85-99 Selected Activities — Core Program (.5:3 [½ semester]).** Required for Teacher Education Concentration. 85 — Modern Dance; 86 — Personal Physical Conditioning; 87 — Olympic Gymnastics; 89 — Folk Dance; 90 — Experimental Course: Teaching of Aerobics; 94 — Track and Field; 95 — Tennis; 96 — Basketball; Appropriate level Swimming course; 98 — Volleyball; 99 — Soccer/Speedball.
- 101 Beginning Volleyball (1:0:3).** Introduction to basic techniques, knowledges and strategies of volleyball.
- 102 Team Handball (1:0:3).** Olympic sport activity which uses basketball playing skills in a soccer format.
- 103 Basketball/Softball (1:0:3).** Introduction to basic techniques, knowledges and strategies of basketball and slow pitch softball.
- 104 Soccer/Basketball (1:0:3).** Introduction to basic techniques, knowledges and strategies of soccer and basketball.
- 109 Understanding of Human Movement I (1:0:3).** The study of basic human movement concepts through personalized meaningful physical experiences.
- 119 Personalized Physical Education (1:0:3).** A course designed to provide one-to-one or small group instruction in physical activity for those students who, because of their disabling conditions, are unable to participate in scheduled physical education activity courses as usually structured. May be repeated for credit. Pr. permission of a faculty supervisor and medical approval.
- 120 Conditioning (1:0:3).** The principles of conditioning. Physical fitness assessment and development of a personal fitness program. Emphasis on maintenance or improvement of cardio-respiratory fitness. May be repeated for credit once.
- 121 Beginning Archery (1:0:3).** Introduction to basic



- techniques, knowledges, rules and equipment of archery.
- 122 Bicycling (1:0:3).** Introduction to basic cycling techniques, safety, bicycle maintenance, planning and participating in various trips. Must have own bike.
- 123 Beginning Snow Skiing (1:0:3).** Introduction to basic techniques, safety and equipment of snow skiing. Fee: approximately \$180.00, includes equipment rental, slope and lift fee, accident insurance, at French-Swiss Ski School, Blowing Rock, North Carolina.
- 124 Backpacking/Camping (1:0:3).** Introduction to backpacking/camping including 8 two-hour class sessions plus 2 overnight weekend trips to relatively secluded areas. Fee: approximately \$15.00 for food, travel and campground fees.
- 125 Hiking/Camping (1:0:3).** Basic hiking/camping skills, compass and topographical map use. Includes 6 two-hour class sessions and 2 weekend hiking/camping trips. Fee: approximately \$20.00 for food, gas and campground fees.
- 126 Modern Rhythmical Gymnastics (1:0:3).** Consists of the manipulation of hand apparatus (balls, hoops, ropes) to musical accompaniment.
- 127 Beginning Golf (1:0:3).** Fundamentals of golf with the opportunity to practice skills and play on the University golf course.
- 128 Beginning Bowling (1:0:3).** Introduction to the basic skills, knowledge and scoring of bowling. Off campus course; fee approximately \$30.00.
- 129 Beginning Olympic Gymnastics (1:0:3).** Fundamental skills and mechanics in tumbling, trampoline and Olympic apparatus and events.
- 130 Weight Training (1:0:3).** Weight training with emphasis on principles, techniques and development of individualized programs. May be repeated for credit once.
- 131 Jogging (1:0:3).** Designed for the developing jogger, including information on basic skills and knowledge, graduated jogging programs, and self-testing procedures. May be repeated for credit once.
- 132 Ice Skating (1:0:3).** Fundamental skills of ice skating forward and backward with opportunity to learn spins, jumps and free skating skills. Fee: approximately \$40.00 includes skate rental and rink fee.
- 142 Social Dance (1:0:3).** Basic dance fundamentals, emphasizing the fox-trot, swing or jitterbug, cha-cha-cha, waltz, tango, polka, rumba, samba, and current popular dances.
- 147 Square Dance (1:0:3).** Exploration of steps, patterns, formations and cultural/historical background of American square dance.
- 150 Swimming for Non-Swimmers (1:0:3).** Designed for students who have a fear of the water and a desire to learn to swim.
- 151 Beginning Swimming (1:0:3).** Basic course in swimming for students who have little or no knowledge of strokes and little deep water experience.
- 170 Beginning Fencing (1:0:3).** Introduction to basic footwork, attacks and defenses of foil fencing with opportunity for competitive bouts.
- 171 Beginning Badminton (1:0:3).** Introduction to basic techniques, knowledges and strategies of badminton.
- 172 Beginning Self-Defense (1:0:3).** Basic skills of non-weapon defense, including techniques from karate and judo.
- 173 Beginning Racquetball (1:0:3).** Introduction to basic skills, rules and strategy of racquetball. Fee: approximately \$50.00, includes use of off campus court. Students provide transportation, racquet and balls.
- 174 Wrestling (1:0:3).** A combative sport offering the participant a physically demanding experience and an opportunity to develop wrestling skill and fitness.
- 175 Beginning Tennis (1:0:3).** Introduction to the basic skills, rules and scoring of tennis.
- 201 Intermediate Volleyball (1:0:3).** Introduction to advanced techniques, knowledges and strategies of volleyball. Pr. 101 or instructor's approval.
- 205 Rhythmic Aerobics (1:0:3).** A conditioning course in which participants exercise to musical accompaniment for the purpose of developing cardiovascular efficiency, strength and flexibility. May be repeated for credit once.
- 210 Understanding of Human Movement II (1:0:3).** The study of fundamental movement patterns through the application of basic movement concepts acquired in 109. Pr. 109.
- 211 Movement Concepts Applied to Physical Education (2:1:3).** The study of basic human movement concepts with applications to efficient and effective fundamental movement patterns. For transfer students only. Students may not receive credit for this course and 109, 210.
- 217 Introduction to the Teaching of Physical Education in Grades K-12 (2:3).** A study of the nature and scope of teaching physical education in today's public schools with particular emphasis on its relationship to the total educational experience. Extensive opportunity for first-hand experience with students of various backgrounds, ages 5-16, through observation and participation in elementary and secondary public schools.
- 220 Physical Fitness for Life (3:2:3).** Activity based course with selected lecture material regarding principles and methods for developing and maintaining physical fitness. Development and conduct of a personal program designed for continuing participation throughout life.



- 221 Intermediate Archery (1:0:3).** Introduction to advanced techniques and knowledge of archery. Pr. 121 or instructor's approval.
- 223 Intermediate Snow Skiing (1:0:3).** Intermediate techniques of skiing including parallel turns, mogul skiing, wedlin and introduction to free-style skiing. Fee: approximately \$180.00 includes equipment rental, fees and accident insurance for 5 days at Beech Mountain, North Carolina. Pr. 123 or instructor's approval.
- 227 Intermediate Golf (1:0:3).** Review and refinement of beginning skills; sand trap shots; uphill, downhill and sidehill lies; opportunity to play on local golf courses. Fee: approximately \$12.00 for green fees. Pr. 127 or instructor's approval.
- 228 Intermediate Bowling (1:0:3).** Refinement of beginning skills and individual delivery, style and league bowling. Pr. 128 or instructor's approval. Off campus lanes; fee approximately \$30.00.
- 229 Intermediate Olympic Gymnastics (1:0:3).** Refinement of beginning techniques and individual mastery and progress. Pr. 129 or instructor's approval.
- 240 Introduction to World Folk Dance (1:0:3).** Basic experiences in folk dance designed to acquaint the beginning student with the steps, patterns, formations, national characteristics and cultural settings of dances from all parts of the world.
- 242 Clogging (1:0:3).** The basic steps of clogging, the historical and cultural concepts pertaining to clogging, and the use of these steps in precision routines, freestyle clogging, and Appalachian Big Circle Mountain Dancing.
- 243 Intermediate Folk Dance (1:0:3).** Refinement of beginning folk dance skills and stylistic factors; advanced dance steps, patterns and formations. Pr. 240 or instructor's approval.
- 250 Experimental Course: Tai Ji Quan (1:0:3).** An ancient art and exercise form of China. High degree of concentration needed to perform body movements done in a slow, uninterrupted and rhythmical motion. A unique form of self-defense training and a part of the martial arts.
- 252 Low Intermediate Swimming (1:0:3).** Designed for students who have a basic knowledge of swimming skills and are deep water swimmers. Pr. 151 or instructor's approval.
- 254 High Intermediate Swimming (1:0:3).** Development of the nine Red Cross swimming strokes, endurance swimming and diving. Pr. 252 or instructor's approval.
- 256 Advanced Swimming (1:0:3).** Refinement of the nine Red Cross swimming strokes, diving, synchronized and competitive swimming skills. Pr. 254 or instructor's approval.
- 257 Synchronized Swimming (1:0:3).** Basic skills in synchronized swimming, individual and group stroking and floating patterns, and opportunity to create routines performed to musical accompaniment. Pr. 252 or instructor's approval.
- 258 Advanced Lifesaving and Lifeguarding (2:1:2).** The skills, knowledges and techniques of lifesaving and lifeguarding. Certification in Advanced Lifesaving, CPR and Pool Lifeguarding are possible. Pr. ability to swim 500 yards using front crawl, sidestroke, breaststroke and backstroke; perform a standing front dive in reasonably good form; surface dive to a depth of 8 feet and swim 20 feet under water; tread water for 1 minute.
- 259 Water Safety Instructor (2:1:2).** Development of knowledge and skill to teach and to certify others in the American Red Cross programs of swimming and lifesaving. Pr. current American Red Cross Advanced Lifesaving Certification and 17 years old.
- 260 Water Polo (1:0:3).** Combination of the strategies of soccer and basketball with swimming endurance and skills unique to water polo. Pr. 254 or instructor's approval.
- 261 Springboard Diving (1:0:3).** Personal skills, rules, judging, scoring, coaching and training techniques, and relevant mechanical principles for 1 meter and 3 meter springboard diving. Pr. 151 or equivalent or permission of instructor.
- 263 Skin and Scuba Diving (2:1:2).** Skills, knowledges and techniques of skin and Scuba diving in preparation for diver certification. Course does not include final certification. Fee for equipment rental. Pr. 254 or equivalent or permission of instructor.
- 268 Canoeing (1:0:3).** Introduction to basic canoeing skills. Course taught at Piney Lake and day and overnight camping/canoe trips to other sites. Fee: approximately \$20.00 for field trips. Pr. ability to swim for 15 minutes without aid.
- 269 Sailing (1:0:3).** Introduction to basic sailing competencies; fundamental racing strategy; taught at Piney Lake and field trips to other lake facilities. Fee: approximately \$20.00 for field trips. Pr. ability to swim for 15 minutes without aid.
- 270 Intermediate Fencing (1:0:3).** Refinement of beginning skills, high- and low-line attacks and defenses; advanced footwork; and electrical foil fencing. Pr. 170 or instructor's approval.
- 271 Intermediate Badminton (1:0:3).** Refinement of beginning skills; emphasis on advanced skills and strategies. Pr. 171 or instructor's approval.
- 273 Intermediate Racquetball (1:0:3).** Intermediate skills and advanced strategy of racquetball developed through practice and game situations. Fee: approximately \$50.00. Student furnishes transportation, racquet and balls. Pr. 173 or permission of instructor.
- 275 Intermediate Tennis (1:0:3).** Continuation of various tennis strokes with practice in singles and doubles strategies. Pr. 175 or instructor's approval.



- 276 Advanced Tennis (1:0:3).** Designed for the student who can perform the various tennis strokes with consistency and accuracy. Emphasis on game strategies. Pr. 275 or instructor's approval.
- 290 Aesthetics of Sport (2:2:1).** Theoretical and laboratory experiences to analyze and synthesize sport theory and aesthetic theory in order to explore the nature of a sport aesthetic. (H).
- 291 Social Issues in Competitive Sport (3:3).** Investigation of various social issues in competitive sport such as violence in sport, youth sport, women's sport, intercollegiate and professional sport problems. (SBS).
- 301 Advanced Sport Technique (1:0:3).** Advanced tutorial in individual sports. Meets concurrently with intermediate level class. May not be taken in lieu of existing advanced course. May be taken once for each sport studied. Pr. intermediate course(s) in the sport(s) selected and permission of Physical Education Department Head.
- 305 Experimental Course: Aerobics II (1:0:3).** Vigorous conditioning course in which participants exercise to musical accompaniment for developing cardiovascular efficiency, strength and flexibility. Pr. 205 or permission of instructor.
- 341 Teaching Elementary School Physical Education I (3:2:3).** Introduction to teaching physical education in grades K-6. Course designed especially for the pre-service classroom teacher. Field experiences emphasized. Pr. junior or senior standing or permission of instructor.
- 351 Principles of Physical Education (3:3).** Biological, sociological, psychological, educational and philosophical foundations of physical education including definition, relationship and application of principles to teaching physical education. Goals and objectives of physical education.
- 352 Philosophy of Sport (3:3).** An overview of philosophical concerns related to the study of sport and sport experiences, examined with the use of current sport philosophy literature.
- 354 Teaching Elementary School Physical Education (2:0:6).** Significance of observation in teaching physical education with development of skill in observing movement of children. Planning and organizing for teaching and how the teaching/learning process affects children's motor development. Pr. 217, 359.
- 358 Aquatic Facilities Management (3:3).** Design, programming, personnel practices, maintenance, operating procedures, public relations and record keeping as they apply to the management and administration of camp waterfronts, pools and beaches. Pr. 259 or equivalent or permission of instructor.
- 359 Movement Approach to Dance and Sport (2:6).** Opportunity to experience and understand Laban's principles of movement through personal skill acquisition in educational dance, educational gymnastics and selected games and sport activities. Pr. 217 which may be taken simultaneously.
- 369 The Intramural and Extramural Programs in Physical Education: Elementary and Secondary (2:3).** A study of the nature and scope of intramural and extramural programs related to physical education K-12; specific opportunity to examine one's philosophy in relation to historical perspectives, contemporary trends and future implications; opportunity to apply methods and procedures related to the conduct of a cocurricular program consistent with one's emerging philosophy. Pr. 217, 351.
- 373 Introduction to Motor Learning as It Applies to Teaching and Coaching (2:2).** An introduction to selected theory and principles underlying the learning and performance of physical skills. Practical application in instructional settings will be a major emphasis. Pr. 217, 351, 359, PSY 221 or consent of instructor.
- 376 Kinesiology (3:2:3).** Analysis of human motion. Study of joint and muscle function, mechanical principles governing human motion. Anatomic and mechanical analysis of physical education activities, basic skills and posture. Pr. BIO 271 or consent of instructor.
- 381 Physical Education for Individuals with Special Needs (3:3).** Survey of all aspects of developmental, adapted and corrective physical education for handicapped populations of children and adults. Field experiences may be required.
- 383 Instruction of Swimming for the Handicapped (3:2:2).** Methods and practice experience in teaching swimming to handicapped persons. Handicapping conditions and how these affect the teaching and learning of swimming. Liability insurance coverage required (available in class). Pr. 259 or equivalent or permission of instructor.
- 390 Prevention and Care of Athletic Injuries (2:1:2).** Designed to provide knowledge and skills to aid in the prevention and treatment of injuries common to athletes. Emphasis on prevention and reconditioning programs. Supplies cost approximately \$12.
- 431 Biomechanics (3:3).** The introduction of mechanical principles and analysis techniques for the study of human movement. Cinematographical and noncinematographical techniques presented in the evaluation of movement skills. Pr. 376 and PHY 102 or permission of instructor.
- \*449 Seminar in Physical Education (2:2).** Designed to coordinate work of student and to serve as a guide in coordination of interpretations, philosophy and understandings in modern physical education.
- \*452 Curriculum In Physical Education K-12 (2:2).** Systematic approaches to physical education curriculum developed in grades K through 12. Emphasis on technical skill and creativity in long and short range planning. Consistency among components of selected curriculum models will be stressed. Pr. all physical education major requirements, including 461 and 462, student teaching.



- 454 Teaching Secondary School Physical Education (2:0:6).** Planning and organizing for teaching and observation of movement in secondary physical education. Special emphasis on analysis of teaching process, field experiences and selection of appropriate content for secondary students. Pr. 217, 354, 359 or consent of instructor.
- \*461, 462 Student Teaching In Physical Education (3), (3).** Techniques of teaching physical education under supervision. Full-time teaching in city schools and/or teaching centers in the state. Admission by application only. Acceptance contingent upon approval by Dean.
- \*464 Administration of Physical Education (2:2).** Administration of physical education programs in secondary schools and colleges, with special reference to problems of the administrator conducting a modern program of physical education.
- 468 Evaluation and Measurement in Physical Education (3:3).** Survey of tests and application of measurement in physical education. Elementary testing procedures.
- \*470 Specialized Methodology in Physical Education (2:2).** 1. Elementary — study of different philosophical positions relative to teaching elementary school physical education. 2. Secondary — methods of teaching and coaching advanced secondary school students in physical education and athletics.
- 471 Sport Communications Internship: Broadcasting or Journalism (4:0:8).** Field learning experiences in local/university broadcast media, newspaper sport departments or sport information offices under the direction of a qualified expert. Academic supervision by faculty member. Majors only. Pr. senior student with departmental approval.
- 474 History of American Sport (3:3).** Examination of the development and significance of sport in American society.
- 475 Independent Study (1 to 3).** Intensive work in area of special interest in physical education. Available to qualified students on the recommendation of academic adviser and instructor. Pr. demonstrated competency for independent work and consent of academic adviser and instructor.
- 476 Problems Seminar (2:2).** Current problems in the field of physical education. Provides opportunity for student to specialize in a problem of his choice. Emphasis of the problem shall be approved by instructor.
- 477 Coaching Practicum in a Selected Sport (3:6).** An opportunity for the prospective physical educator to assume various responsibilities in coaching a selected sport under the guidance of a qualified coach. Opportunities will be provided at public school and university levels. Open only to upper division physical education majors. Pr. 109, 210, HEA 236/338, demonstrated knowledge/skill in sport selected.
- 478 Teaching Practicum for Grades 3-8 (3:2:2).** A supervised teaching practicum emphasizing the use of the movement approach to teaching games, dance and gymnastics in a field setting using grades 3-8. Pr. 359 or permission of instructor.
- 480 Research in Human Movement (3).** Procedures in descriptive, experimental, historical and philosophical research as used in the study of human movement with specific emphasis on studies related to physical education. Tools used in data collection and processing and interpreting the findings of research included. Pr. 351 and at least junior standing.
- 488 Psychology and the Athlete (3:3).** A study of psychology and the athlete as it applies to the highly skilled learner within the educational framework. Pr. 373 and PSY 221.
- 493-494 Honors Work (3:3)-(3:3).**
- \*Block courses in professional semester for teacher education majors.

### Courses for Advanced Undergraduates and Graduates

- 530 Play, Games and Sport (3:3).** Examination of major conceptualizations of play, games and sport; comparisons and contrasts among the concepts.
- 535 Exercise Science/Fitness Internship (3:0:8).** Field experience in fitness leadership in qualified agencies providing fitness programs. Students must purchase professional liability insurance. Pr. 568, 575, and/or permission of instructor.
- 541 Teaching Elementary School Physical Education II (3:3).** Advanced teaching skills in physical education for the classroom teacher. Focus on program planning, teacher behavior, and psychosocial factors affecting children's motor skill development. Pr. 341 or consent of instructor.
- 550 Sports Clinic (1).** Designed to improve teaching and coaching techniques in various sports utilizing current game strategies.
- 551 Teaching Motor Skills to Preschool Children (3:2:3).** Strategies and techniques to enhance the motor skill development of children ages 2-5 in the home, on the playground and in the classroom. Field work with children emphasized. Pr. one of the following: CDF 302, 552 (for undergraduates); EDU 698, PED 648 (for graduates); or permission of instructor.
- 563 Development of Physical Education In the Western World (3:3).** An historical overview of the development of physical education in Western Civilization from classical times to the present age.
- 564 History of American Physical Education (3:3).** A study of the development of physical education in the United States with special emphasis on the evolving institutional involvement of schools and colleges.
- 568 Physical Fitness: Assessment and Prescription (3:2:3).** Scientific principles of exercise emphasizing design of safe, appropriate individualized exercise programs for all ages; foundation for future ACSM certification as a physical fitness instructor. Pr. BIO 271, 277, or permission of instructor. CPR certification or concurrent accomplishment.
- 571 Physical Education for the Handicapped (3:3).** Study



- of physical education programs for emotionally, mentally, socially and physically handicapped. Individual study in related problems. Observations through visits to hospitals, clinics and schools.
- 575 **Physiology of Exercise (3:3:2).** The physiological basis of human physical performance and physical fitness with emphasis on the acute responses and chronic adaptations of the body to exercise. Pr. BIO 271, 277 or permission of instructor.
- 578 **Needs Assessment of Handicapped Persons In Physical Education (3:3).** Determination of gross motor and perceptual/gross motor performance needs of handicapped persons. Analysis of published and teacher-made instruments. Construction of new tests for physical education for handicapped persons. Pr. permission of instructor.
- 580 **Legal Issues: Sport and Physical Education (3:3).** Examination of major legal issues in sport and physical education. Emphasis on providing educationally and legally sound programs of activity which reduce risk of litigation. Pr. junior standing or higher.
- 660 **Cybernetic Explanations of Skilled Performance (3:3).**
- 661 **Movement Theory (3:3).**
- 663 **Supervision of Physical Education (3:3).**
- 669 **Affective Measurement In Physical Education (3:3).**
- 670 **Motor Measurement In Physical Education (3:3).**
- 671 **Cognitive Measurement In Physical Education (3:3).**
- 676 **Problems Seminar (3:3).**
- 678 **Physiology of Human Performance (3:3).**
- 695 **Independent Study (1 to 3).**
- 696 **Laboratory Technology In Exercise Science (1:0:3) or (2:0:6).**
- 697 **Project In a School Setting (3 to 6).**
- 698 **Field Project In Physical Education (6).**
- 699 **Thesis (6).**
- 713 **Research In Physical Education III: Advanced Seminar (3:3).**
- 799 **Dissertation (12).**
- 800 **Graduate Registration.**
- 801 **Graduate Registration.**

## Courses for Graduates

- 606 **Workshops in Physical Education (1 to 3).**
- 609 **Critical Analysis of Professional Literature In Physical Education (3:3).**
- 610 **Statistics for Research in Health, Physical Education and Recreation (3:3).**
- 611 **Research In Physical Education I: Concepts of Inquiry (3:3).**
- 612 **Research In Physical Education II: Design and Analysis (3:3).**
- 613 **The Meaning and Significance of Physical Education (3:3).**
- 617 **Current Theories and Practices of Teaching Sports (3:3).**
- 630 **Interpretive Processes of Sport (3:3).**
- 631 **Sport In Contemporary Life (3:3).**
- 643 **Mechanical Analysis of Motor Skills (3:3).**
- 644 **Psychological Aspects of Sports (3:3).**
- 645 **The Behavioral Bases of Physical Education (3:3).**
- 646 **Theoretical Considerations of Physical Education for Children (3:3).**
- 647 **Motor Development and Human Movement (3:3).**
- 648 **Learning and Performance of Physical Skills (3:3).**
- 649 **Seminar In Physical Education (3:3).**
- 650 **Scientific Factors Affecting Human Performance (3:3).**
- 652 **Curriculum Development in Physical Education (3:3).**
- 654 **Seminar In Curriculum Development In Physical Education (3:3).**
- 655 **Analysis of Teaching Behavior (3:3).**
- 658 **Physical Skill Learning and Performance Laboratory I (3:2:3).**
- 659 **Physical Skill Learning and Performance Laboratory II (2:0:4).**

## Recreation-REC/courses

### Courses for Undergraduates

- 101 **Recreation and Leisure In Modern Society (3:3).** Study of personal values of recreation and leisure participation; examination of conceptual issues in recreation and leisure; survey of professional preparation programs, professional organizations, and career opportunities.
- 102 **Leisure Service Delivery System (3:3).** Survey of the historical and philosophical foundations of recreation, park and leisure services; examination of public, quasi-public, private and commercial agencies comprising the leisure service delivery system. (Formerly 101).
- 201 **Recreation Program Development (3:3).** General principles of recreation program development; intensive study of the program areas available to participants; analysis of the methods and techniques of program design, organization, implementation, and evaluation. Pr. 101.
- 202 **Recreation Site Planning and Design (3:2:3).** Examination of the basic procedures involved in the planning process; basic considerations in recreation site planning and design; analysis of the methods and techniques of site evaluation. Pr. 101.
- 203 **Methods and Materials In Recreation Leadership (3:2:2).** Analysis of the techniques, principles and practices of leadership in recreation and leisure settings; basic processes of activity leadership in conjunction with development of skills and knowledge in activity areas.
- 211 **Leisure: Its Uses and Resources (3:3).** Survey of the philosophical dimensions of leisure, the leisure delivery system, the evolution of leisure life-styles and the need for educating for leisure-oriented living. Not open to recreation majors.



- 241 Environmental Education (3:3).** The historical and philosophical foundations of environmental education. Exploration of the various program types; emphasis on teaching and learning alternatives. Survey of environmental issues and current research.
- 261 Introduction to Therapeutic Recreation (4:4).** Survey of key concepts, theoretical underpinnings and procedures in clinical and special recreation situations. Focuses upon varied special needs populations, prescriptive activities, documentations using medical charting, medical and psychiatric terms.
- 301 Recreation Administration (3:3).** Study of the principles and practices of administration. Deals with basic procedures in recreation administration, with particular emphasis on programming and budgeting; personnel policies and practices; publicity and public relations; and planning, evaluation and research. Pr. 101.
- 304 Park Maintenance and Operations (3:2:2).** Principles and practices of recreation and park maintenance; operational policies and procedures in recreation and park settings. Pr. 202 or permission of instructor.
- 310 Recreation Field Work (1 to 6).** Directed field experience in a recreation service agency under the supervision of a faculty adviser and an agency supervisor. Opportunities are provided for the student to develop knowledge, values and beginning practice skills appropriate for entry-level practice in recreation service agencies. May be repeated for credit for a maximum of six semester hours. Pr. consent of instructor.
- 321 Commercial Recreation (3:3).** Study of nature and function of recreation in commercial agencies and settings. Survey of the development and operation of commercial goods and services offered in the leisure market.
- 331 Outdoor Challenge/Adventure Education Programs (3:3).** Principles and practices of outdoor challenge/adventure education; administrative considerations for selection, use, design and implementation of outdoor challenge/adventure programs.
- 341 Travel and Tourism (3:3).** Tourism and recreational travel including its origins, present characteristics, and societal impacts; implications of non-business travel in the United States and the emerging importance of international travel. (SBS).
- 361 Program Design and Evaluation in Therapeutic Recreation (3:3).** Focuses on skills for the systematic design and evaluation of programs using various systems techniques, including activity and task analysis procedures and summative and formative evaluation procedures. Pr. 261 or consent of instructor.
- 401 Practicum in Recreation (6).** Designed to provide the student with an opportunity to relate theory to practice through observation and experience. The student, in a ten-week program, is assigned on an individualized basis to approved public, private and commercial agencies. The practicum will consist of a full-time placement for a total of 360 clock hours. Pr. senior standing; 21 semester hours in professional recreation courses, including 101, 201, 202.
- 402 Resort Development and Operations (3:3).** An examination of the history and present status of the resort industry and an exploration of methods and techniques of resort development and operations.
- 411 Research Methods in Recreation (3:3).** An analysis of the principal methods and techniques of research in recreation. Topics also include selection and definition of a problem, review of literature, tools for obtaining data, data analysis and interpretation, and techniques of writing a research proposal. Pr. STA 571.
- 412 Problems in Recreation and Leisure Services (1 to 3).** Identification and critical analysis of current problems in selected areas of recreation and leisure services. Opportunity for student to study in depth a problem of special interest. Pr. consent of instructor.
- 421 Problems Seminar (3:3).** Specific course title identified by subscript, e.g., Problems Seminar: Travel and Tourism. The nature of the problems themselves and their impact on society will be studied. May be repeated once for credit. Pr. previous course work in appropriate content areas and/or permission of instructor.
- 431 Recreation Resource Policy (3:3).** Concepts, principles and practices in recreation resource policy, methods and techniques of determining land and facility policy, quantitative and qualitative resource evaluation.
- 441 Recreation Resources Communication (3:3).** The communication process as it relates to recreation resource settings. Emphasis on communication skills and interpretive techniques. Evaluation of information media and problem resolution.
- 451 Financing Recreation, Park, and Leisure Services (3:3).** Basic principles and procedures of financing recreation, park, and leisure services. Methods of financing recreation, park, and leisure services with emphasis given to new approaches to financing. Pr. 301 or consent of instructor.
- 461 Special Recreation Services in Non-Treatment Settings (3:3).** Examination of the structure and functions of various organizations and agencies providing special recreation services. Analysis of the various approaches and techniques of promoting special recreation services in non-treatment settings. Pr. 261 or consent of instructor.

### Courses for Advanced Undergraduates and Graduates

- 551 Recreation and Park Management (3:3).** Study of concepts, principles and practices of recreation and park management. Examination of organizational structure and functions of recreation and park agencies. Emphasis given to need for long-range management policies. Pr. 301 or consent of instructor.
- 561 Principles of Therapeutic Recreation (3:3).** Study of practices and principles utilized in therapeutic recreation; detailed examination of leisure education



using individual/group processes; selected facilitation techniques; interdisciplinary team practice; supervisory functions, assessment procedures. Pr. 261 or consent of instructor.

## History — Department of

(219 McIver Bldg./College of Arts and Sciences).

- Allen W. Trelease** (1967), Professor and Acting Head of Department/B.A., M.A., Illinois/Ph.D., Harvard.
- Jodi E. Billinkoff** (1982), Assistant Professor/B.A., Michigan/M.A., Ph.D., Princeton.
- Robert McCluer Calhoun** (1964), Professor/B.A., Wooster College/M.A., Ph.D., Western Reserve.
- Kenneth Lawrence Caneva** (1978), Associate Professor/B.S., Massachusetts Institute of Technology/Ph.D., Princeton.
- Ronald Drake Cassell** (1966), Assistant Professor/B.S., M.A., Michigan/Ph.D., U.N.C. at Chapel Hill.
- Converse Dilworth Clowse** (1962), Associate Professor/B.A., M.A., Vermont/Ph.D., Northwestern.
- James Clyde Cooley Jr.** (1965), Associate Professor/B.A., Franklin College/M.A., Ph.D., Indiana.
- John Anthony D'Emilio** (1983), Assistant Professor/B.A., M.A., Ph.D., Columbia.
- Mary B. Floyd** (1983), Assistant Professor/B.A., Wilmington College/M.A., Ball State/Ph.D., Indiana.
- Evans E. Garber** (1984), Lecturer/B.A., Vanderbilt/M.A., UNC-G/M.A.T., American International College. Part-time.
- Jean Gordon** (1964), Associate Professor/B.A., M.A., Pennsylvania State/Ph.D., Wisconsin.
- William Allen Link** (1981), Assistant Professor/B.A., Davidson College/M.A., Ph.D., Virginia.
- Walter T. Luczynski** (1960), Assistant Professor/B.A., New York/M.A., Michigan/Ph.D., Illinois.
- David MacKenzie** (1969), Professor/B.A., Rochester/M.A., Ph.D., Columbia.
- Paul Martin Mazgaj** (1978), Associate Professor/B.S., M.A., Illinois/Ph.D., Iowa. Leave of absence, second semester 1984-85.
- Frank T. Melton** (1967), Associate Professor/B.A., University of the South/M.A., Vanderbilt/Ph.D., Wisconsin. Leave of absence, 1984-85.
- Stephen Ruzicka** (1980), Assistant Professor/B.A., M.A., Ph.D., Chicago.
- Ann Pottinger Saab** (1965), Professor/B.A., Wellesley College/M.A., Ph.D., Harvard. Leave of absence, first semester 1984-85.
- Roy Neil Schantz** (1967), Associate Professor/B.A., Chicago/M.A., Columbia/Ph.D., New York.
- Karl A. Schleunes** (1971), Associate Professor/B.A., Lakeland College/M.A., Ph.D., Minnesota.
- Loren Schweninger** (1971), Associate Professor/B.A., M.A., Colorado/Ph.D., Chicago.
- James H. Thompson** (1970), Associate Professor and Director of the Library/B.A., Southwestern College/M.A., Ph.D., U.N.C. at Chapel Hill/M.S., Illinois.

History, at the most general level, provides students not with the collective memory of their own national heritage but with an opportunity to gain perspective on this heritage by comparing it with the legacies of other nations and even other civilizations. Courses offered by the History Department, therefore, range from American through European to histories

of non-Western civilizations. In addition to giving students a knowledge of their own national development and a comparative perspective from which to evaluate it, history is also designed to produce an awareness of the circumstances surrounding change and continuity over time and how both alter the quality of human life. This knowledge is important not only because human beings have difficulty in knowing where they are unless they know where they have been, but also because, in Santayana's words: "Those who cannot remember the past are condemned to repeat it."

**The History Major** prepares students for career opportunities in a wide range of employments, where liberally educated minds can be turned to fruitful account. It offers an excellent general background for later, more specialized studies in fields such as law and journalism. A number of history majors go on to work in public service at the local, state and federal levels or find employment in those areas of the private sector where a premium is put on a sound general education. Finally, many history majors employ their skills more directly: in the teaching profession (from the primary through graduate school levels), in museums and archives or in the expanding field of historical preservation work.

The department offers programs leading to the Bachelor of Arts degree in history, the Master of Arts in history, and the degree of Master of Education with a concentration in history or social studies.

All 200-level courses are open to freshmen; all 300-level courses are open to sophomores; 500-level courses are open to juniors and seniors.

## HISTORY MAJOR (Bachelor of Arts)

Required: 122 semester hours.

Student seeking **teacher certification** should see Teacher Education Chapter.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in Western Civilization (6 semester hours) and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

### Major Requirements

24-36 semester hours in history above the 100 level.

The department divides its undergraduate offerings into three groups: Europe, United States and the remainder of the world. To insure that each major has breadth in his program, a student must take at least 6 semester hours from each of these three groups. The remaining history courses may be taken from the 200-, 300-, 400- and 500-level courses without any restrictions as to field but must include at least six hours at the 500 level.



### Related Area Requirements

Because history is closely related to many other disciplines, we strongly recommend that history majors consult their advisers about using their liberal education requirements and electives to build a coherent series of cognate courses.

Students interested in the various national histories may wish to pursue language and literature courses in the same area; students interested in social and institutional history may wish to pursue courses in the social sciences such as anthropology, sociology, political science and economics; students interested in cultural and intellectual history will profit by work in philosophy, religious studies and art and music history.

### Electives

Electives sufficient to complete total semester hours required for degree.

### History Minor

The History Minor complements majors in a variety of fields, including English, the languages and the other social sciences. Requirements are flexible to permit the student to select courses with the help of his major department, which will develop and extend his individual interests as expressed in his major. The minor shall comprise 15-21 semester hours in history; it may include two courses at the 100 level. If six hours of Western Civilization are taken with a team or panel which includes a member of the History Department, three hours may be counted toward the History Minor. Students should register for the History Minor in the History Department Office, 219 McIver Building.

## History-HIS/courses

### Courses for Undergraduates

- 101, 102 Modern European History (3:3), (3:3).** Since 1500, with background in ancient and medieval Europe. (SBS).
- 103 The American Experience, 1607 to the Present (3:3).** A single semester survey of American history, with an emphasis on the changing nature of politics, the economic system, culture and social structure.
- 207, 208 World History (3:3), (3:3).** The rise of the modern world with emphasis on those great world traditions of non-Western civilizations which still influence the contemporary world. First semester: the great traditions of the non-Western world. Second semester: the emergence of a global society. (SBS).
- 209 The Ancient World (3:3).** Early civilizations: Near Eastern, Egyptian, Greek, and Roman to Reign of Constantine. Ruzicka. (SBS).
- 211, 212 The United States: A General Survey (3:3), (3:3).** First semester: to 1865. Second semester: since 1865. (SBS).
- 213 The Family In American History (3:3).** This course will relate the family to other major elements of American society and culture — households and communities, the market economy, the democratic ethos and urbanization — and will introduce students to genealogical, oral and traditional historical research into the history of particular families, including their own. Calhoun. (SBS).
- 215 The Civilizations of Asia (3:3).** History, institutions and culture of India, China and Japan, from earliest times to about 1700. Limited reference to Southeast Asia, Central Asia and Korea. Cooley. (SBS).
- 216 The Civilizations of Asia (3:3).** Impact of West on Asia and Asia's response; development of nationalism and Communism. Focus is on India, China and Japan in nineteenth and twentieth centuries. Cooley. (SBS).
- 217, 218 The World in the Twentieth Century (3:3), (3:3).** Major developments which have shaped contemporary world, with emphasis on two world wars, Russian and Chinese revolutions, emergence of a third world of new nations and impact of modernization and mass culture. First semester: 1900 to 1939. Second semester: since 1939. (SBS).
- 228 History of Africa (3:3).** Major developments in history of Africa, with emphasis on sub-Saharan Africa. Early civilizations and institutions, colonial Africa, Africa since 1945. (SBS).
- 233 The Roots of the Western Tradition: The Historical Background (3:3).** Designed for the Summer Schools Abroad Program in Italy and Greece to parallel a course in art history, this course will survey social and intellectual developments of the Italian Renaissance and their interaction with the arts. The roots of Western humanism will then be traced to their origins in the Roman and Greek worlds. (SBS).
- 239 Latin America to 1825 (3:3).** American Indians; coming of Europeans and Africans; European colonies; political independence. Floyd. (SBS).
- 240 Latin America since 1825 (3:3).** Political freedom and its problems; new struggle for economic independence and social transformation. Floyd. (SBS).
- 251, 252 History of Science Survey (3:3), (3:3).** An introduction to the major developments in the history of Western science. First semester: from antiquity to the Scientific Revolution. Second semester: from the 18th to the 20th century. Caneva.
- 255 The Structure of Scientific Change: Topics in the History of Science (3:3).** An in-depth examination of selected topics in the history of science designed to elucidate the nature of scientific change. Representative topics: Thomas Kuhn's image of science: the Chemical Revolution; evolution; relativity. Caneva. (H), (CFI).
- 273 English History to 1660 (3:3).** Origins and evolution of English culture and English constitution. Cassell, Melton, Thompson. (SBS).
- 274 English History since 1660 (3:3).** Continuation of 273. Designed also for those who wish to take the course separately. Cassell, Melton, Thompson. (SBS).
- 277 Russian History to 1900 (3:3).** Introduction to old Russia of Kiev and Muscovy, followed by a more intensive survey of eighteenth and nineteenth centuries. MacKenzie. (SBS).



- 278 **Russian History since 1900 (3:3).** End of Tsarist Empire, Revolution of 1917 and its aftermath, Soviet Union under Stalin and recent developments. MacKenzie. (SBS).
- 291 **Germany and Central Europe to 1815 (3:3).** Main political, economic and cultural developments, with emphasis on basic factors and problems in German history, from origins to 1815. Schleunes. (SBS).
- 292 **Germany and Central Europe, from 1815 to the Present (3:3).** Continuation of 291, but may be taken separately. Special emphasis given to "German problem" and contemporary Germany. Schleunes. (SBS).
- 301 **The Black Experience (3:3).** An examination of the black experience from ancient to modern times, including pre-colonial Africa, the Atlantic slave trade, slavery in the Americas with special emphasis on the United States before 1865. Schweningen. (SBS).
- 302 **Race and Segregation (3:3).** Race and segregation in the United States since the Civil War, including the origins of Jim Crow laws, civil rights movement, black urbanization, the Harlem Renaissance, black nationalism, and the black experience in America. Schweningen. (SBS).
- 305 **Selected Contemporary Problems Historically Considered (3).** Study of selected topics in history which can be incorporated into standard high school history courses. Gordon. (SBS).
- 307, 308 **The World in Our Time (3:3), (3:3).** World developments since 1945. First semester: through 1960. Second semester: since 1960. (SBS).
- 311 **Darwin and the Theory of Evolution (3:3).** A study of the background, genesis, and reception of Darwin's theory in its scientific and social context as the basis for an examination of the nature and scope of scientific explanations. Caneva. (H), (CFI).
- 313 **A History of American Material Culture: A Visual Approach (3:3).** A survey from the colonial period to the present demonstrating how America's social and economic development has been reflected in things which can be visually evaluated including architecture, land usage, city planning, technology and the fine and popular arts. Gordon. (SBS).
- 315 **Witchcraft and Magic in European History (3:3).** An examination of witchcraft beliefs and persecution as a way of studying the social history of Europe before industrialization. Emphasizes the "Witch Craze" of the sixteenth and seventeenth centuries. Bilinkoff.
- 320 **Central American Civilization (3:3).** History of Central America in all of its aspects, emphasizing interrelationships between the structure of society and politics. Floyd.
- 332 **Women in American History (3:3).** A history of American women from colonial times to the present. Through a variety of sources including primary documents, literature and historical studies, the class will explore the changing roles of women in the family, the nature of women's work, cultural myths and images of women and the origins and development of American feminism. Gordon. (SBS).
- 337 **The American Colonies, 1607-1763 (3:3).** Political, economic, social, cultural, religious and intellectual beginnings of American society. Clowse. (SBS).
- 338 **European and American Urban History to 1800 (3:3).** A survey of city planning and the economic, political and demographic factors which influenced the framework of Western urban history — the city-states of antiquity; the "independent" cities of feudal Europe; the political absorption of cities by the nation-states; the pre-industrial expansion of megalopolis; the frontier and American urban development. Primarily a lecture course based upon readings and the study of historical maps. (SBS).
- 339 **The American Revolution, 1763-1815 (3:3).** The age of the democratic revolution; ideology, politics and warfare in the Revolution; the Enlightenment and American constitutionalism, the social and cultural origins of party politics and nationalism. Calhoun. (SBS).
- 340 **Nineteenth Century America, 1815-1860 (3:3).** Domestic and diplomatic history, emphasizing such topics as industrialism and economic growth, political and social reform, Jacksonian Democracy and the Whig party, Manifest Destiny and the antebellum South and the coming of the Civil War. Primarily a discussion course based upon assigned paperback readings. (SBS).
- 341 **Nineteenth Century America, 1860-1898 (3:3).** The Civil War in its various aspects, North and South; Reconstruction; industry and urbanization; agrarian unrest and the Populist movement; black history from slavery to Jim Crow; overseas imperialism and the Spanish-American War. Primarily a discussion course based upon assigned paperback readings. (SBS).
- 342 **The Modernizing of America, 1900-1930 (3:3).** Americans confront the modern corporation, ethnic diversity, urban life, new international responsibilities, new styles in architecture and the arts, popular entertainment, a consumer society, new attitudes toward women, sex and family. Link. (SBS).
- 347 **History of North Carolina (3:3).** The history of North Carolina from its colonial origins to the twentieth century, including the evolution of its political system, economy, social structure, and culture. Link. (SBS).
- 348 **America in Crisis, 1930-1955 (3:3).** Examines two major crisis, economic depression and global war, their impact on the economy, government and society and the varying responses of Americans as expressed in the arts, politics and values. D'Emilio. (SBS).
- 349 **The World at War, 1914-1945 (3:3).** A study of the two world wars of this century. Emphasis upon socio/political systems responsible for the wars; military systems which fought them; and impact of the wars on the world. Cassell.
- 350 **Freedom and Authority in Western Civilization: A Historical Perspective (3:3).** An exploration from a historical perspective of the problem of the responsibility of individuals to themselves as opposed to their responsibility to the surrounding society. The issue of individual freedom vs. obedience to social and political authority is examined in the heavily traditional societies of Ancient Greece and Rome, in



- modern totalitarian states and in the United States. Ruzicka. (SBS).
- 351 History of Greece, 2000-31 B.C. (3:3).** Mycenaean society, Greek "dark ages," colonization and tyranny, Athens and Sparta, flowering in the fifth and fourth centuries, conquests of Alexander, Hellenistic empires and the diffusion of Greek civilization. Ruzicka. (SBS).
- 353 Athens in the Fifth Century B.C. (3:3).** A study of the social and political history of Athens in the fifth century B.C. Pr. 209 or 351 or permission of instructor. Ruzicka. (SBS).
- 354 The Roman Republic, 754 B.C.-44 B.C. (3:3).** A study of the social and political forces that led to Rome's conquest of the Mediterranean World — and of the transformation which world conquest wrought on Rome itself. Topics covered include: the Roman Constitution and politics, the Roman conquest of Italy and then of the whole Mediterranean, and the decline of the Republic. Ruzicka. (SBS).
- 355 The Roman Empire, 44 B.C.-337 A.D. (3:3).** A survey of politics and society at Rome under the Empire, when Rome dominated Western Civilization. Topics covered include: Augustus and the rise of one-man rule at Rome, the long "Roman Peace" and the civilizing of Europe under the Emperors, the rise of Christianity and the transformed Empire of Constantine the Great. Ruzicka. (SBS).
- 356 Medieval Legacy (3:3).** A survey of Western European history from the end of the Roman Empire to the fifteenth century; will explore such varied aspects of the medieval experience as pilgrimage, crusade, peasant life, the emergence of national states and the rise of the university. Bilinkoff. (SBS).
- 357 Renaissance and Reformation in Europe (3:3).** A history of the period 1350-1600 in which profound social, intellectual and religious change transformed European society. The course will examine in depth great writers and thinkers of the period, such as Petrarch, Machiavelli, Luther, Calvin and Loyola, as well as the political and socio-economic context in which they flourished. Bilinkoff. (SBS).
- 358 European and American Urban History since 1800 (3:3).** The economic, political, cultural and demographic forces which transformed the West from a rural to an urban society in the age of industry and advanced technology. Schweninger. (SBS).
- 359 Sexuality in Historical Perspective (3:3).** A survey of the history of sexuality since the 17th century, with an emphasis on America. Topics will include agrarian sexual patterns, the impact of industrialization, Victorianism, birth control, the effects of Freud, and the 20th century "sexual revolution." D'Emilio.
- 361 The Ottoman Empire and Republic of Turkey (3:3).** A study of the rise, fall and rebirth of Turkish power in the eastern Mediterranean from the thirteenth century to the present. Saab. (SBS).
- 363 European Economic History (3:3).** A study of the evolution of European economies from early modern times to the twentieth century. Emphasis on sources of growth: trade, migration, industry, technical change, labor, and capital. Pr. ECO 201. Same as ECO 363. (SBS).
- 364 The French Revolutionary Era, 1715-1848 (3:3).** France in the age of the French Revolution, including the ancient regime, Enlightenment, narrative and interpretive treatment of the Revolution, the Restoration, the July Monarchy. Mazgaj.
- 365 Modern France, 1848 to Present (3:3).** Social, political, and cultural forces that shaped modern France through the Second Empire, Third Republic, World Wars One and Two, rise of communism and fascism, Occupation and Resistance, Fourth and Fifth Republics. Mazgaj.
- 367 History of the Soviet Union (3:3).** A survey of the history of the Soviet Union from the 1917 revolutions to the present including political, economic, social, intellectual, cultural, and diplomatic history of Russian and non-Russian peoples under Soviet control. Students may not take both 278 and 367 for credit. MacKenzie. (SBS).
- 370 Revolutions in 20th Century Latin America (3:3).** A comparative history of revolution in twentieth-century Bolivia, Cuba, Guatemala, Mexico, and Nicaragua.
- 381 The Near and Middle East (3:3).** Emphasizes developments since World War I. Saab. (SBS).
- 383 Chinese History to 1800 (3:3).** Early Chinese Civilization: Imperial Period; first dynasties; Early Modern China. Cooley. (SBS).
- 384 The Modern Transformation of China: 1800 to Present Day (3:3).** Coming of Europeans; decline of imperial institutions to 1870; western impact and Chinese reforms, 1870-1945; contemporary China. Cooley. (SBS).
- 385 Japanese History to 1867, Izanagi and Izanami to Emperor Meiji (3:3).** Creation myths — archeological record, warrior aristocracy under Chinese veneer, Japanese feudalism: Shoguns, daimyo samurai, servants of Christ, diplomats, seclusion and civil war. Cooley. (SBS).
- 386 Creating Modern Japan, 1867 to the Present (3:3).** Meiji Restoration and the West, Radical Nationalism, Parliamentary government, World War II from Manchurian Incident through MacArthur. Present day Japan. Cooley. (SBS).
- 390 History Internship (1 to 6).** Field learning experience in public or applied history. Academic supervision provided by job supervisor. Assigned reading and written reports. May be repeated. Pr. consent of department head.
- 401, 402 Individual Study (1 to 3).** Directed program of reading or research. Available to qualified students upon the recommendation of an instructor and approval of department head.
- 493-494 Honors Work (3:3)-(3:3).**

### Courses for Advanced Undergraduates and Graduates

- 501 History and Philosophy of Science Seminar (3:3).** A close and sustained analysis of the problems involved



- in providing a philosophically acceptable account of a major episode in the history of science. Pr. 251, 252, and PHI 325, or consent of the instructor. Caneva.
- 502 Blacks in American History: Selected Topics (3).** Examination of selected topics in black history including African beginnings, slavery, racial attitudes and civil rights. May be repeated once for credit.
- 505 Introduction to Archival Management (3:3).** Principles of archival management, featuring both classroom instruction in archival theory and practical experience in manuscript repositories and public and private archives. Pr. consent of instructor.
- 508 Problems of Latin America (3:3).** Dictatorship, colonialism and underdevelopment presented from the historical perspective, with focus on selected regimes. Floyd.
- 510 Historiography (3:3).** The history of historical writing from Old Testament times to 19th century, with some attention to the philosophy of history and the development of the historical profession. Readings in major historians from Herodotus to Ranke. Trelease.
- 512 The American Museum and the American Past (3:3).** A study of selected topics in American social and cultural history and the manner in which these topics have been dealt with by American museums for persons interested in museum work or historic preservation. Gordon.
- 515 American Diplomatic History: The Twentieth Century (3:3).** Emphasis on most important crises and making of basic policy decisions from Spanish American War to present. D'Emilio.
- 517 American Economic History: Colonial Times to 1865 (3:3).** Evolution of the American economy through the Civil War. Emphasis on sources of economic growth and economic welfare. Pr. ECO 201 or consent of instructor. Same as ECO 517.
- 518 American Economic History: 1865 to Present (3:3).** Evolution of the American economy from the Civil War to the present. Emphasis on economic performance through time measured against the goals of full employment, price stability and rapid growth. Pr. ECO 201 or consent of instructor. Same as ECO 518.
- 526 The Civil War and Reconstruction (3:3).** The causes of the Civil War. Military events and developments on the home front in wartime, North and South. Reconstruction policy in Washington and its implementation in the South. Trelease.
- 528 Constitutional History of the United States (3:3).** A study of the leading principles and practices of American Government, examined in their historical context and illustrated by Supreme Court cases in Constitutional law.
- 531 Women in World History (3:3).** A comparative study of the roles and images of women and of the significant figures and periods for women in world history. Schantz.
- 532 Women in World History (3:3).** An interdisciplinary course on the roles and images of women in the modern world beginning with the sixteenth century. Schantz.
- 533 The Age of Jackson (3:3).** The major issues and events in American domestic history from 1815 to 1848. Trelease.
- 534 The American Revolution, 1763-1789 (3:3).** Colonial social structure, organization of Empire, role of ideology, War for Independence, politics of new nation, drafting and ratification of the new Constitution. Calhoun.
- 537 The American Colonial Period, 1607-1763 (3:3).** Selected topics pertaining to development of colonies to eve of American Revolution. Clowse.
- 538 South America (3:3).** Social, economic and political development of the continent of South America. Floyd.
- 539 The United States since World War II (3:3).** Recent American society, focusing on such critical issues as McCarthyism, rise of radical right, civil rights struggle, new feminism and student radicalism. D'Emilio.
- 540 Middle America (3:3).** Social, economic and political development of Mexico, Central America and West Indies. Floyd.
- 541 The United States and Latin America (3:3).** Hemispheric relationships and problems from independence to twentieth century alliance. Floyd.
- 545a,b Southern History and Southern Material Culture in a Museum Context (3), (3).** Combine southern history and material culture with a museum practicum. Offered each summer at the Museum of Early Southern Decorative Arts in Winston-Salem. Students selected by individual application. Pr. consent of instructor. Gordon.
- 546 The Old South (3:3).** The economy, society, and polity of the South from colonial times to the Civil War. The institution of slavery. Emphasis on the period 1820-1860. Trelease.
- 547 The New South (3:3).** Southern history from Reconstruction to the present. Emphasis on race, politics, and the economy. Trelease.
- 549 American Social History: Family and Religion (3:3).** American social history from the eve of colonization to Reconstruction, the family and communal organization of early American society and the assumptions about human nature and destiny underlying culture and change.
- 550 American Social History: Women and Work (3:3).** American social history from Reconstruction to the present. The ways biology, work, and culture have defined social roles, shaped values, and dictated political strategies. Link.
- 552 Interpreting North Carolina History (3:3).** The interpretation of North Carolina history as a case study in social process: colonial development, republicanism and revolutionary elites, cultural identity, civil war, agricultural economics, industrialization, modernization. Link.
- 565 Europe, 1815-1914 (3:3).** Problems of war and peace, considered in relation to economic, social and cultural developments within the European nations, including England. Saab.



- 566 Europe since 1920 (3:3).** Domestic developments, internal policies and international relations of major countries of Europe, from Treaty of Versailles to present. Luczynski.
- 569 Foundations of Modern European Thought (3:3).** Intellectual and Cultural History: Enlightenment through Darwin. Emphasizes the vision of self and society, origins, and maturation of the great ideologies, extended consideration of Kierkegaard, Marx, Mill, Comte, Darwin, etc. Mazgaj.
- 570 Contemporary Crisis of European Thought (3:3).** Intellectual and Cultural History: Freud to the present. Emphasizes the vision of self and society, ideological struggles and inner tensions, extended consideration of Nietzsche, Weber, Lenin, Hesse, Camus, Sartre, etc. Mazgaj.
- 572 Germany In the Nineteenth Century, 1800-1914 (3:3).** An examination of German social and political structures and their functioning between 1800 and the outbreak of World War I. Attendant emphasis will be placed upon cultural and intellectual issues which will illuminate German (and European) culture of the nineteenth century. Schleunes.
- 573 German History, 1914-1945 (3:3).** German social and political structures and their functioning during World War I, Weimar Republic and Third Reich with attendant emphasis on cultural and intellectual themes. Schleunes.
- 576 Modern Balkan History (3:3).** A survey of political, social, economic and cultural developments in the Balkan Peninsula since 1750 centering around Yugoslavia. MacKenzie.
- 579 Russia In World Politics Since 1850 (3:3).** Major problems in Russian and Soviet foreign relations since Crimean War. MacKenzie.
- 580 Radicalism and Revolution In Russia, 1773-1921 (3:3).** Russian radical and revolutionary movements and organizations, 1773-1921, in theory and practice. MacKenzie.
- 581 Tudor and Stuart England, 1485-1714 (3:3).** English society, government and economics in the sixteenth and seventeenth centuries; impact of religious changes; expansion of England; problems of revolutions and emergence as a great power. Melton.
- 582 England from the Eighteenth Century to the Present (3:3).** Development of English society; political, economic and social evolutions. Cassell.
- 584 Contemporary Far East History (3:3).** Emphasis on China and Japan. Stress on analysis of problems of comparative nature. Pr. one course in Asian civilization or Chinese history or consent of instructor. Cooley.
- 585 Chinese Ideas from Confucius to Mao (3:3).** Focuses on the interaction of Chinese ideas and institutions from the pre-Ch'in times to contemporary China. Cooley.

- 609 Colloquium In American History: to 1865 (3:3).**
- 610 Colloquium In American History: since 1865 (3:3).**
- 611 Seminar In American History: before 1865 (3:3).**
- 612 Seminar In American History: since 1865 (3:3).**
- 613 Problems in American History for Teachers of American History Survey Courses (3).**
- 621 Colloquium In European History before 1800 (3).**
- 622 Colloquium In European History since 1815 (3).**
- 630a, Historical Conceptualization (3:3), (3:3), (3:3).**  
b,c
- 690 History Internship (1 to 3).**
- 692 Advanced Topics In History (3:3).**
- 697 Directed Reading (1 to 4).**
- 699 Thesis (3 to 6).**
- 800 Graduate Registration.**
- 801 Graduate Registration.**

### History and Philosophy of Science — See Interdepartmental Studies.

### Home Economics — School of

(215 Stone Bldg.)

- Jacqueline H. Voss** (1982), Professor and Dean of School/B.S., M.S., Ed.D., Nebraska.
- Jill Y. Amidon** (1983), Lecturer/B.S., Iowa State/M.A., Columbia. Part-time.
- Suzanne Lee Andron** (1981), Instructor/B.A., Pratt Institute/M.L.A., N.C. State.
- Nancy Baird** (1976), Instructor/B.A., Illinois/M.S., Cornell. First semester 1984-85.
- Chris Bazzarre** (1982), Adjunct Clinical Instructor/B.S., M.S., Virginia Polytechnic Institute and State University.
- Terry L. Bazzarre** (1978), Associate Professor/B.S., M.S., Ph.D., Virginia Polytechnic Institute and State University.
- Dianne Bittkofer** (1984), Adjunct Clinical Instructor/B.S., Purdue.
- Carol Bogedaln** (1982), Adjunct Clinical Instructor/B.S., Michigan State/M.S., UNC-G.
- Galla Twitty Bradley** (1981), Visiting Assistant Professor and Assistant to Dean/B.S., Alabama/M.S., UNC-G/Ph.D., Maryland.
- Evalyn Brendel** (1982), Adjunct Clinical Instructor/B.S., Carnegie Institute of Technology/M.S., Case Western Reserve.
- Helen Bumgardner** (1984), Adjunct Clinical Instructor/B.S., Mississippi State College for Women.
- Paul F. Callaway** (1980), Assistant Professor/B.A., East Carolina/M.L.A., N.C. State.
- Sandra L. Calvert** (1982), Assistant Professor/B.S., West Virginia/M.S., Pennsylvania State/Ph.D., Kansas.
- Barbara Nelle Clawson** (1973), Professor and Acting Head of Department of Home Economics in Education and Business/B.S., Iowa State/M.S.H.E., UNC-G/Ph.D., Iowa State.
- Sarah L. Cowan** (1983), Lecturer/B.S.H.E., Ph.D., UNC-G. Part-time.

### Courses for Graduates

- 601 Seminar In European History: before 1815 (3:3).**
- 602 Seminar In European History: since 1815 (3:3).**



- Kim Craig** (1982), Adjunct Clinical Instructor/B.S., Appalachian State/M.S.H.E., UNC-G.
- Mary Andrews Dickey** (1957), Assistant Professor/B.S., UNC-G/M.S., Tennessee.
- Eileen Casey Francis** (1965), Assistant Professor/B.S., M.S., Ph.D., Pennsylvania State.
- Lavlna M. Franck** (1972), Assistant Professor/B.S., Illinois/M.S., Wisconsin.
- Hattie Galner** (1982), Adjunct Clinical Instructor/B.S., Shaw/M.S., North Carolina A. & T. State.
- Deborah Godwin** (1980), Assistant Professor/B.S., Meredith College/M.S.H.E., Ph.D., UNC-G.
- Brenda Gonzales** (1984), Adjunct Clinical Instructor/B.S., UNC-G.
- Karen Graves** (1985), Assistant Professor/B.S., Colorado State/M.S., Ph.D., Pennsylvania State. Second semester 1984-85.
- Wilma Scott Hammett** (1984), Adjunct Assistant Professor/B.S.H.E., M.S.H.E., Ph.D., UNC-G.
- Mary Joyce Hasell** (1984), Assistant Professor/B.S., M.S., UNC-G/D.Arch., Michigan at Ann Arbor.
- Paula A. Heneveld** (1982), Assistant Professor/B.S., Michigan/M.A., Cornell.
- Glenda H. Herman** (1980), Adjunct Associate Professor/B.S., UNC-G/M.S., Tennessee/Ph.D., UNC-G.
- Ann R. Hiatt** (1980), Lecturer/B.S.H.E., M.S., UNC-G. Part-time, first semester 1984-85.
- Estelle Hunter** (1983), Adjunct Clinical Instructor/B.S.H.E., UNC-G.
- Melvin D. Hurwitz** (1977), Professor/B.A., Harvard/M.S., Chicago/Ph.D., Cornell.
- Howard N. Jacobson** (1978), Adjunct Professor, School of Home Economics and Department of Biology/B.S., B.M., M.D., Northwestern.
- Martha R. Johnson** (1980), Adjunct Professor/B.S., Georgia College/M.S., Florida State/Ph.D., N.C. State.
- Mildred Louise Johnson** (1965), Professor/B.S., M.S., Northern Illinois/Ph.D., Wisconsin.
- Nancy Kennon** (1982), Adjunct Clinical Instructor/B.S., M.S., UNC-G.
- Vira Rodgers Klvett** (1968), Associate Professor/B.S.H.E., M.S.H.E., Ph.D., UNC-G.
- Lynne S. Koester** (1976), Associate Professor/B.S., Sarah Lawrence College/M.S., Ph.D., Wisconsin. Leave of absence 1984-85.
- Carolyn J. Lackey** (1984), Adjunct Assistant Professor/B.S., UNC-G/M.S., Ph.D., Tennessee.
- Garrett W. Lange** (1981), Professor and Head of Department of Child Development and Family Relations/B.A., West Virginia Wesleyan College/M.A., New Hampshire/Ph.D., Pennsylvania State.
- Jerald R. Leimstoll** (1983), Instructor/B.S., Arch., Cincinnati.
- Michael Liebman** (1980), Assistant Professor/B.S., New Hampshire/M.S., Ph.D., Virginia Polytechnic Institute and State University.
- Mary Lou Lindeman** (1982), Adjunct Clinical Instructor/B.S., Arkansas/M.S., Nevada.
- Mary D. Litchford** (1981), Assistant Professor/B.S., M.S., Tennessee/Ph.D., UNC-G.
- Glenda Lowry** (1979), Instructor/B.S., M.S., Oklahoma State. Part-time.
- Jan H. McArthur** (1977), Assistant Professor and Head of Department of Housing and Interior Design/B.S.H.E., M.A., UNC-G.
- Linda McCutcheon** (1983), Adjunct Assistant Professor/B.S., East Carolina/M.S., Ph.D., UNC-G.
- Amy McRae** (1983), Adjunct Clinical Instructor/B.S., Lambeth College/M.S., Kentucky.
- Mary Green MacCini** (1980), Associate Professor/B.S., State College at Framingham/M.Ed., State College at Boston/Ph.D., Cornell.
- Carol E. MacKinnon** (1984), Assistant Professor/B.S., Old Dominion/M.S., Ph.D., Georgia.
- Robert F. MacKinnon** (1984), Visiting Assistant Professor/B.S., Old Dominion/M.S., Ph.D., Georgia.
- Aden Combs Magee III** (1960), Professor/B.S., Texas A. and M./M.S., Ph.D., N.C. State.
- John Martine** (1983), Adjunct Clinical Instructor/A.A.S., New York City Community College.
- Mary K. Millier** (1967), Assistant Professor/B.S.H.E., M.S.H.E., UNC-G/Ed.D., Columbia.
- Joan P. Moran** (1977), Lecturer and Director of the Child Care Education Center/B.S., Cornell/M.A., Connecticut.
- Mary Y. Morgan** (1981), Assistant Professor/B.S., Northeast Missouri State/M.Ed., Illinois/Ph.D., Missouri.
- Billie G. Oakland** (1977), Professor and Head of Department of Clothing and Textiles/B.A., Blue Mountain College/M.S.H.E., Alabama/Ph.D., Pennsylvania State.
- Chris Ordon** (1983), Adjunct Clinical Instructor/B.S., Our Lady of Cincinnati College.
- Carol Papillon** (1984), Adjunct Clinical Instructor/B.S., Valparaiso/M.P.H., U.N.C. at Chapel Hill.
- Cynthia Payne** (1983), Adjunct Clinical Instructor/B.S., San Diego State/M.S., California.
- Martha Jo Ramsay** (1983), Assistant Professor/B.F.A., U.N.C. at Chapel Hill/M.Arch., N.C. State.
- J.V.O. Richards** (1984), Visiting Associate Professor/B.A., Ahmadu Bello/Ph.D., Northwestern.
- Elliot Roblins** (1983), Instructor/B.A., Stanford/M.A., Harvard/M.S.W., Calgary/Ph.D., Pennsylvania State.
- Hyman Rodman** (1975), Excellence Fund Professor/B.A., M.A., McGill/Ph.D., Harvard.
- Nancy H. Rossi** (1985), Lecturer/B.S., M.S., Tennessee. Second semester 1984-85.
- Cordella Rumph** (1983), Adjunct Clinical Professor/B.S., M.S., Tuskegee Institute.
- Florence Sargent** (1982), Adjunct Clinical Instructor/B.S., Pratt Institute/M.S., Emory.
- John H. Scanzoni** (1978), Professor/B.A., Wheaton College/Ph.D., Oregon.
- Elizabeth L. Schllier** (1977), Assistant Professor/B.A., Illinois Wesleyan/M.S., Purdue/Ph.D., Missouri. First semester 1984-85.
- Luther Self** (1984), Visiting Assistant Professor/B.S., N.C. State/M.B.A., U.N.C. at Chapel Hill. Part-time, first semester 1984-85.
- Chung W. Seo** (1981), Adjunct Professor/B.S., M.S., Korea/Ph.D., Florida State.
- Sarah Moore Shoffner** (1964), Assistant Professor and Assistant to Dean/B.S.H.E., M.S.H.E., Ph.D., UNC-G.
- Anna Atkins Slimkins** (1983), Adjunct Associate Professor/B.S., M.S., Pennsylvania State/Ph.D., UNC-G.
- Rebecca M. Smlth** (1958), Professor/B.S., M.S., Ph.D., UNC-G.
- Arnold M. Sookne** (1983), Adjunct Professor/B.A., Brooklyn College/M.S., George Washington.



- Nancy Staples** (1984), Lecturer/B.S., Douglass College/M.Ed., UNC-G. Part-time.
- Sheron Minich Sumner** (1966), Assistant Professor/B.S.H.E., East Carolina/M.S., Ohio State/Ph.D., UNC-G.
- Jean T. Sykes** (1964), Visiting Assistant Professor/B.A., Meredith College/M.S., UNC-G/D.Ed., N.C. State. Part-time.
- Deborah T. Tippett** (1983), Instructor/B.S.H.E., M.S.H.E., UNC-G. Part-time, first semester 1984-85.
- Nadine F. Tope** (1975), Adjunct Assistant Professor/B.A., Cornell College/M.S., Ph.D., Purdue.
- Bette J. Tweten** (1984), Assistant Professor/B.S., North Dakota/B.S., M.S., Ph.D., Nebraska.
- Lucille M. Wakefield** (1979), Professor and Head of Department of Food, Nutrition and Food Service Management/B.S., M.S., Connecticut/Ph.D., Ohio State.
- James A. Watson** (1970), Professor and Associate Dean/B.S., M.S., Ph.D., Georgia.
- Josie Nance White** (1951), Associate Professor/B.A., UNC-G/M.Ed., U.N.C. at Chapel Hill/Ph.D., UNC-G.
- Eileen Williams** (1983), Instructor/B.S., UNC-G/M.S., Tennessee.
- Louise Wilson** (1971), Lecturer and Director of the UNC-G Nursery School/B.S.H.E., M.S.H.E., UNC-G.

The aims of the School of Home Economics are expressed in its philosophy. Home economics is a professional field of knowledge and service primarily concerned with assisting individuals and families in different social contexts. Individuals are prepared to participate more effectively within the social, political, economic and cultural environment. The profession is dynamic in the sense of being responsive to contemporary issues. Home economics recognizes change and innovation and is fully committed to using and extending its energies and resources to educate the individual, improve services and goods, and conduct research to create a better world for individuals and for families.

The basic philosophy of the School of Home Economics is reflected in the programs offered. Five departments—Child Development and Family Relations; Clothing and Textiles; Food, Nutrition, Food Service Management; Home Economics in Education and Business; and Housing and Interior Design—offer programs at the undergraduate and/or graduate level.

At the undergraduate level the student may major in one of five home economics subject-matter areas. See major charts which follow. At the graduate level, four degrees—Master of Science, Master of Science in Home Economics, Master of Education, and Doctor of Philosophy—are available with majors in subject-matter areas in home economics, and the 6th-year program in teaching home economics.

Special facilities of the School of Home Economics include the Child Care Education Center, the UNC-G Nursery School, Carter Research Center, and Family Resource Management Center.

**Note:** For purposes of identification, the courses offered by the School of Home Economics are listed under five headings: Child Development and Family Relations (CDF); Clothing and Textiles (CTX); Food, Nutrition, Food Service Management (FNS); Home Economics in Education and Business (HEB), Housing and Interior Design (HID).

## CHILD DEVELOPMENT MAJOR (Bachelor of Science in Home Economics)

Required: 122-136 semester hours.

### Options

Child Care Services  
Child and Family Research  
Preschool Education  
Child Development with K-4 Teaching Certification

The **Child Development Major** focuses on the study of children; their physical, social and psychological development; the study of families, their structure and interactions, and leads to careers in nursery schools, day care centers, private kindergartens, hospitals, and in governmental and community agencies that serve children and families.

By taking additional courses, child development majors may be certified to teach in grades K-4.

### Liberal Education Requirements for all Options

(See Curriculum Chapter for full explanation.)

1. One course in English composition: ENG 101 or 102, approved substitute or exemption.
2. Three courses, other than home economics, from Humanities Area (H).
3. Two courses from Natural Sciences & Mathematics Area (NSM).
4. Two courses from Social & Behavioral Sciences Area (SBS).
5. Four additional courses, other than home economics, from the three areas above or in an elementary foreign language.

### Core Requirements for All Options

CDF 212, 346; HEB 210, 410.  
CDF 527C, Prob. Child and Family Ecology, may be substituted for HEB 410.

### Major Requirements

1. For Child Care Services, Child and Family Research, and Preschool Education  
FNS 213; CDF 302, 412, 452, 512, 522 and 552; PSY 221 and 6 additional hours in psychology, sociology or social work, not including required option courses; BIO 101, 102, or 105; and EDU 202.
2. For Child Development with K-4 Certification  
FNS 213; CDF 302, 412, 452, 462, 422 or 512, 522, 532, 542 and 552; EDU 202; PED 341 or 551; PSY 221; BIO 101, 102 or 105.

### Option Course Requirements

1. Child Care Services  
CDF 532 or 542, 462, and 500; SWK 215 and 584; HEA 369 or 334; EDU 540 or 544; PSY 341 or 504.
2. Child and Family Research  
CSC 137 or ISM 234; SOC 314 or PSY 310 or EDU 501; SOC 318; CDF 500; and 6 hours of suggested electives.



3. Preschool Education  
CDF 532, 542, 462 (6 hrs.) and 500; PED 551; EDU 346; and SWK 584.
4. Child Development with K-4 Certification  
MAT 301 and 302; HEA 341; MUS 361 or ART 363; recommended communication course or successful completion of speech test; COM 596; EDU 381; Professional Semester I in EDU (EDU 346, 430, 443 and 444); Professional Semester II (Student Teaching Semester, EDU 461); Literature course (Humanities); PHY 305; GEO 103, 211 or 212; HIS 211 or 212; Social Science elective.

#### Electives

Electives sufficient to complete total semester hours required for degree. No more than one third may be home economics courses.

### Child Development Minor

A student may receive a minor in Child Development upon completion of 15 hours including: CDF 212, 302, 412 or 452; plus 6 additional hours in CDF courses.

## CLOTHING AND TEXTILES MAJOR (Bachelor of Science in Home Economics)

#### Concentrations in

Clothing-Fashion Merchandising  
Textiles  
Apparel Arts

Required: 122 semester hours.

The **Clothing-Fashion Merchandising Concentration** is designed to prepare students for careers in textile and apparel marketing, merchandising, and Cooperative Extension work.

The **Textiles Concentration** is designed to prepare students for careers in textile technology, textile education, consumer service, Cooperative Extension work, and textile evaluation.

The **Apparel Arts Concentration** is designed to prepare students for careers in pattern designing and grading, entry level positions in apparel industries, and graduate work in the preservation and conservation of historic textiles and costumes. A visiting student program with the Fashion Institute of Technology, NYC, has been approved.

#### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One course in English composition or exemption.
2. Three courses, other than home economics, from Humanities Area (H) including ART 106 or 105.
3. MAT 119 required of all Clothing and Textiles majors. Textiles majors must include CHE 103, or 111, 111L. CHE 306 required for Fashion Merchandising and Apparel Arts.
4. Two courses from Social & Behavioral Sciences Area (SBS). Select SOC 211 and ECO 201.

5. WCV 102 and HIS 101 or 102 (6 s.h.) required of all Clothing and Textiles majors. Other courses in Humanities, Natural Science, science or foreign language (6 s.h.).

### Major & Related Area Requirements

#### Core Courses for All Concentrations

CDF 212, 346; HEB 210, 410.  
CTX 527B, Prob. Clothing/Senior Seminar, may be substituted for HEB 410.

#### Clothing-Fashion Merchandising Concentration

1. CTX 201, 231, 241, 301 or 501, 311, 351, 361, 470, 504, 561, MGT 306 and 508 and 3-4 s.h. from CTX 371, 441, 527, 541, 551, 571 or 584.
2. Home economics or cognate courses: 9-12 semester hours.
3. Related Areas: ENG 102 or ISM 309 or an approved English composition. ART 140 or HID 102; ISM 234; ACC 201; MGT 310.

#### Textiles Concentration

1. CTX 201, 241, 441, 470, 514, 524, 561.
2. Home economics or cognate courses: 9-11 semester hours.
3. Related Areas: ENG 102 or an approved English composition substitute; CHE 104, or 114, 114L, and 205 or 351, 352, 354 (4-7 s.h.); ART 140 or HID 102; PHY 305 or 101, 102; MAT 191 or CSC 136.

#### Apparel Arts Concentration

1. CTX 201, 241, 301, 311, 504, 571 and 12 s.h. from CTX 441, 470, 541, 544, 561 and 591.
2. Home economics or cognate courses: 12-14 hours.
3. Related Areas: ART 140 or HID 102, ART 225 or 271 or 347; ISM 350 and 360; 12-13 hours.

#### Electives

Electives sufficient to complete total semester hours required for degree.

### Clothing and Textiles Minor

Majors in art, history, business, chemistry, physics, and allied fields may elect a minor in Clothing and Textiles by taking 15 semester hours in one area, of which one 500-level course (three semester hours) is taken.

## FOOD AND NUTRITION MAJOR (Bachelor of Science in Home Economics)

#### Concentrations in

Restaurant and Food Service Management  
Dietetics Specialization\*

Required: 122 semester hours.



### Liberal Education Requirements for Dietetics and Restaurant and Food Service Management

(See Curriculum Chapter for full explanation.)

1. One course in English composition (ENG 101) or exemption.
2. Three courses, other than home economics, from Humanities Area (H).
3. Two courses from Natural Sciences & Mathematics Area (NSM) including CHE 103 and 104.
4. Two courses from Social & Behavioral Sciences Area (SBS) selected as follows: ECO 201; SOC 201 or 211 or ATY 212.
5. Restaurant and Food Service Management Concentration PSY 221, COM 206 or 207, ECO 202, MATH 112 or 119.
6. Dietetics Specialization  
Four additional courses, other than home economics, from any one or all of the three areas above or in an elementary foreign language. Include BIO 101, 102\*\* and PSY 221.

\*Students electing this option will meet minimum academic requirements for membership in the American Dietetic Association and will qualify for a dietetic internship. Students are cautioned certain internships may require a specific area of specialization, and students are urged to check with the ADA listing for differences in internships.

\*\*For exceptionally well qualified students, this requirement may be waived by special examination.

### Major and Related Area Requirements

#### Core Courses for Both Concentrations

CDF 212, 346; HEB 210, 410.  
FNS 513 may be substituted for HEB 410.

#### Restaurant and Food Service Management Concentration\*

1. FNS 103, 213, 313, 500, 509, 519, 520, 532, 549, 559.
2. Related Areas: ACC 201, 202; MGT 310, 517; BIO 380; ECO 370.

\*This option does not meet the educational requirements for A.D.A.

#### Dietetics Specialization

1. Required for all areas of specialization: FNS 103, 213, 303, 313, 503, 519, 593; BIO 277, 380; CHE 205; MGT 310; FNS 513 or EDU 381 or PSY 312 or PSY 326 or HEB 518.
2. General: BIO 535; FNS 509, 520, 549, 573; STA 108 or PSY 310.
3. Management: ECO 370; FNS 509, 520, 549; FIN 340; ISM 234 or CSC 136; STA 108 or PSY 310; two of the following: MGT 312, 314, 517, 535.
4. Clinical: BIO 535, 545; FNS 523, 543 or 553; 573; STA 108 or PSY 310.
5. Community: BIO 535; FNS 509, 520, 523, 549, 573; STA 108 or PSY 310.

### Electives

Elective courses sufficient to complete total semester hours required for degree. Approximately one third of the electives may be in home economics courses.

### Food and Nutrition Minor

A student may receive a minor upon completion of 17-18 hours as follows: For Food Service Management Minor, FNS 103, 213, 509, 519, 520, 549, or 559; For Food and Nutrition Minor, FNS 103, 213, and four courses from 303, 313, 503, 523, 533, 543, 553, 583, 593.

### HOME ECONOMICS IN EDUCATION AND BUSINESS MAJOR (Bachelor of Science in Home Economics)

#### Concentration in

Home Economics in Business and Community Service.

Required: 122 semester hours.

**The Home Economics in Business and Community Services Concentration** focuses on a study of all areas of home economics, a strong emphasis in business and communications, and a supervised internship which will lead to careers in various aspects of business, industry, and government agencies including Agricultural Extension Service.

### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One course in English composition or exemption.
2. Three courses, other than home economics, from Humanities Area (H).
3. Two courses from Natural Sciences & Mathematics Area (NSM), including CSC 136.
4. Two courses from Social & Behavioral Sciences Area (SBS), including ECO 201. Select from either sociology or anthropology.
5. Four additional courses, other than home economics, from any or all of the three areas above or in an elementary foreign language. Include PSY 221, COM 106 and ECO 202.

### Major & Related Area Requirements

#### Core Courses:

CDF 212, 346; HEB 210, 410.

1. HEB 377, 500 (3 s.h.), 527A; CDF 405, 545, 526.
2. One home economics course from each of the following departments: CDF 302 or 412 or 502; CTX 101 or 241 or 351; FNS 103 or 213; HID 205 or 355.
3. Related Areas: ENG 102 or an approved English composition; ISM 309; MGT 310, 320; one of the following: COM 105 or COM 112 or COM 341.



### Electives

Electives sufficient to complete total semester hours required for degree.

### Concentration in

#### Teacher Education

Required: 128 semester hours.

**The Teacher Education Concentration** provides the preparation necessary to qualify for North Carolina certification to teach home economics on the secondary school level. The course work includes study of all areas of home economics, methodology and curriculum development, and observation and pre-service teaching. Career opportunities include secondary teaching and other home economics related careers.

### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One course in English composition or exemption.
2. Three courses, other than home economics, from Humanities Area (H), including one literature course.
3. Two courses from Natural Sciences & Mathematics Area (NSM) in chemistry or physical science and chemistry.
4. Two courses from Social & Behavioral Sciences Area (SBS), including economics and sociology.
5. Four additional courses, other than home economics, from any or all of the three areas above or in an elementary foreign language. Include biology; one history or western civilization course; PSY 221.

Note: Where appropriate, **teacher certification** course requirements (listed below) may be selected to fulfill liberal education requirements.

### Major & Related Area Requirements

#### Core Courses

CDF 212, 346; HEB 210, 410.

1. CTX 101 or 121, 241, CDF 302, 405, 412; HEB 267, 357, 478, 507; HID 205, 355; FNS 103, 213, 303.
2. Related Areas: ENG 102 or an approved English composition substitute.

### Teacher Certification Requirements

(See Teacher Education Chapter for full explanation.)

1. Speech clearance.
2. Mathematics or computer science: 3 semester hours.
3. PSY 221.
4. EDU 381, 450, 470.
5. Block semester: HEB 467, 478, 508.
6. Two semester hours in physical education.

### Electives

Electives sufficient to complete total semester hours required for degree.

## INTERIOR DESIGN MAJOR (Bachelor of Science)

Required: 142 semester hours.

**The Interior Design Program** is structured around a continuing sequence of major design studio courses. Studio experiences provide opportunity for the student to develop a deepening mastery of the problem-finding and problem-solving processes.

The first year of the Interior Design Program includes a series of small scale design problems that take the student through the total design process, from problem identification to graphic communication of the design solution.

Second year design courses focus on design as a response to the needs of the client/user and the development of technical skills that are basic to the problem-solving and communication processes.

Third and fourth year studio courses provide opportunity to deal with a wide variety of typical interior environments, with emphasis on institutional and commercial interiors, but also including residential design, historic restoration and adaptive reuse. Attention is also directed toward the environmental needs of special groups. Support courses enable the student to develop skills and concepts that can be tested in the studio.

Twelve semester hours may be completed either through advanced interior design studio courses in the fifth year, through the Interior Design Internship Option or through a combination of both of these. The Internship Option provides opportunity for experimental learning in a business setting or government agency, while fifth year studio courses provide opportunity for independent thesis project work.

**Admission Policy:** Enrollment in the Interior Design Program is limited. Students who indicate interest in the interior design major on their University application will receive information on departmental admission. Students are admitted on evidence of scholastic and design potential, motivation and self-direction. Transfer students applying for advanced studio placement must present to the Interior Design screening committee portfolio and transcript evidence of relevant achievement through prior course work and/or experiences. Transfer students seeking entry into the program must have at least an overall 2.5 grade point average in completed course work. Students who already hold a bachelor's degree in another field may be eligible for the Acceleration Option after completing the first-year studio course requirements.

In order to remain in the interior design major, students must maintain a minimum 2.0 grade point average in interior design courses. Students are responsible for purchase of equipment and studio supplies.

### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One course in English composition or exemption.
2. Three course from Humanities Area (H) including ART 105.
3. Two course from Natural Sciences & Mathematics Area (NSM).
4. Two courses from Social & Behavioral Sciences Area (SBS).



5. Four additional courses from any or all of the three areas above or in an elementary foreign language.

### Major Design Studio Requirements

HID 101, 102, 201, 202, 301, 302, 411, 412.

Support Courses: HID 111, 112, 211, 212, 221, 222, 331, 332, 355, 431, 451; CTX 241.

### Fifth Year/Internship Options

Sixteen semester hours from among the following: HID 252, 452, 453, 501, 502, 531.

### Electives

Twenty-six hours of electives, twelve of which should be taken in one area of concentration that supports a specific Interior Design interest. If a minor is desired, check individual departmental requirements.

## Child Development & Family Relations-CDF/courses

### Courses for Undergraduates

- 212 Developmental Patterns of the Family (3:3).** Developmental characteristics, behavior and interpersonal relations among family members in various stages of family life cycle. (SBS).
- 302 Child Development (3:3).** A survey of basic principles of normal growth and development from conception to adolescence. Emphasizes physical, personal-social and intellectual development. Relates knowledge of normal growth patterns to the development of effective early learning programs for young children. Assigned observations required.
- 346 Consumer Decision Making in the Personal Environment (3:3).** Management of resources in relation to consumer needs, goals, and values within the context of the family and of current social and economic conditions. Pr. junior standing, 212 or HEB 210 or permission of instructor.
- 401 Special Problems In Child Development and Family Relations (1 to 4).** Individual study. Conference hours to be arranged.
- 405 Resource Management: Concepts and Application (3:2:3).** Development of managerial competencies through group interaction in a management residence setting. Required of senior Home Economics Education majors; elective for others. Pr. 346.
- 412 Family Interaction (3:3).** Examines the processes and factors that influence family bonds and interaction. Utilizes research, case study materials and theories to identify important relational concerns.
- 422 Interrelationships between Families and the Community (3:3).** Multifaceted interrelationships between families and the community. Implementation of public policy. Observation and participation in

community agencies serving families. Pr. 212, 302 and 3 semester hours in sociology.

- 446 Family Economics and Management (3:3).** Management of resources by individuals and families in relation to human needs, goals and values.
- 452 Theories and Observation of Child Development (3:3).** A survey of the fundamental theories of child behavior and development. Frequent observations of children in preschool laboratory enable students to view on-going behavior from a variety of theoretical perspectives. Includes in-depth coverage of the principles of observational child study and provides individualized experiences for recording observational data. Pr. 302, PSY 221 or consent of instructor.
- 462 Supervised Teaching in Preschool Centers (3:1:8) or (6:1:17).** Planned experiences under supervision for the students teaching children enrolled in the preschool centers and community agencies. Pr. 212, 302, 532, 542.
- 493-494 Honors Work (3:3)-(3:3).**

### Courses for Advanced Undergraduates and Graduates

- 500 Supervised Professional Experience (1-4:0:3-12).** Supervised professional experience in selected commercial or industrial organizations, public or private agencies.
- 502 Changing Roles of Men and Women (3:3).** Philosophical, political and technological influences on roles of men and women in the past, present and future and their relationship to the family.
- 512 Advanced Study of Families (3:3).** Analysis of the interrelationship between the functions of families and the patterning of family interaction. Broad background in study of the family. Required of all undergraduate and graduate majors.
- 522 Parent Education (3:2:3).** Overview of parent education with special emphasis on parent-child relationships; problems and procedures of teachers working with children and/or families; problem areas and implications of research with parents and their children. Pr. 212, 302 or equivalent.
- 525 Work Simplification (3:2:2).** Principles of work simplification and their application to specific situations of work in the home; includes work design and adaptations for physically limited persons. Pr. 346 or equivalent. Not offered every year.
- 526 The Consumer in a Market Economy (3:3).** Consumer problems connected with the market economy. Emphasis on joint interest of consumer, industry and government in an effective marketing system. Areas covered include marketing structure and functions, consumer rights and responsibilities, technology of consumption and concentrated study of food, clothing, housing, home furnishings and household equipment markets. Pr. ECO 201 or equivalent.
- 527 Problems in Child Development and Family Relations (2 to 6).** Individual study.



- 532 **Preschool Education (3:3).** Philosophies, principles, methods and materials involved in preschool education. Emphasis placed on staff qualifications and responsibilities. Pr. or parallel 212 and 302 or approved equivalents.
- 542 **Creative Activities for Preschool Children (3:3).** Principles and components of a creative preschool program with emphasis on teacher's role and acquiring of knowledge and skill in presentation of creative materials and guidance of experiences. Pr. or parallel 212 and 302 or approved equivalents.
- 545 **Family Finance (3:3).** Use of financial resources as situations, needs and preferences of families differ or change. Pr. 446 or course in economics recommended.
- 552 **Advanced Child Development (3:3).** Introduction to the history, methods and findings of child development research. Classic research literature underlying current conclusions about the young child's behavior and development. Opportunities available for supervised observation and participation in a child care center. Pr. 302 and PSY 221 or consent of the instructor. Required of all majors.
- 562 **Family Gerontology (3:2:3).** The study of the older family member and his relationships with other family members in regard to his physical, social and environmental situations, life adjustment and sources of assistance. Observation and participation included. Pr. permission of instructor.
- 567 **Teaching Family Life (3:2:3).** Principles, methods, materials for teaching family life. Observation and participation will be required. Pr. one undergraduate course in the study of the family.
- 572 **Teaching Child Development (3:2:3).** Principles, methods, materials for teaching child development. Observation and participation will be required. Pr. 302, 452, 522, 552 or consent of instructor.
- 582 **Administration of Child Care Programs (3:3).** Major areas of planning and administering child care programs, including programming, scheduling, reporting, financing, housing, equipping, staffing and working with parents. Pr. 302, 532 (or equivalent) or consent of instructor.

### **Courses for Graduates**

- 601 **Directed-Individual Study In Child Development and Family Relations (1 to 6).**
- 602 **Problems in Child Development (2 to 4).**
- 605 **Advanced Family Resource Management (3:3).**
- 606 **Social and Economic Problems of the Family (3:3).**
- 608 **Personality and Social Development (3:3).**
- 611 **Graduate Seminar (0).**
- 612 **(a) Seminar in Child Development (3:3).**  
**(b) Seminar in Family Relationships (3:3).**  
**(c) Seminar in Parent-Child Relations (3:3).**
- 616 **Problems In Family Economics and Home Management (2 to 4).**
- 618 **Intellectual Development In Young Children (3:3).**
- 622 **Family Life Education (3:3).**

- 626 **Readings In Family Economics and Home Management (2 to 4).**
- 628 **The Family In the Middle Years (3:3).**
- 630 **Fundamentals of Laboratory Research In Child Development and Family Relations (3:3).**
- 632 **Infant Development (3:2:3).**
- 642 **(a) Readings In Child Development (3:3).**  
**(b) Readings In Family Relationships (3:3).**
- 652 **Theories of Human Development (3:3).**
- 662 **The Family In Comparative Perspective (3:3).**
- 666 **Family Decision-Making Processes (3:3).**
- 670 **Minor Research (2 to 6).**
- 672 **Divorce and Remarriage (3:3).**
- 682 **Current Trends In the Field of Child Development (3:3).**
- 692 **Contemporary Family Life (3:3).**
- 699 **Thesis (3 to 6).**
- 702 **Research Methods In Child Development (3:3).**
- 712 **Research Design In Family Analysis (3:3).**
- 752 **Theory Development and the Family (3:3).**
- 799 **Dissertation (1 to 12).**
- 800 **Graduate Registration.**
- 801 **Graduate Registration.**

## **Clothing & Textiles- CTX/courses**

### **Courses for Undergraduates**

- 101 **Apparel Production Processes I (3:1:6).** Basic principles of apparel production including woven and knitted fabrics.
- 201 **Apparel Production Processes II (3:1:6).** Advanced principles of apparel production including pattern alterations, treatment of problem fabrics, and couture finishing techniques. Pr. 101 or equivalent. (Formerly 121).
- 231 **Introduction to Clothing and Textiles (3:3).** An overview of the fashion industry from raw material through consumption; includes scope and structure of the industry, fashion auxiliary enterprises and career possibilities. Required of all CTX majors. (Formerly 361).
- 241 **Consumer Textiles (3:3).** Study of textiles from raw materials through manufacturing and finishing of fabrics as related to quality, cost, care and performance of fabrics.
- 261 **Introduction to Apparel Merchandising (3:3).** A survey study of the apparel business focusing on the fashion socio-economics, the principles governing fashions' origins and movement, and implications of these factors for apparel merchandisers. Career opportunities are investigated.
- 301 **Apparel Design I: Flat Pattern Method (3:1:6).** Principles of fitting applied to the development of an individualized sloper; development of apparel by flat



- pattern techniques; theory of pattern grading; construction. Pr. 121 and 341 or approved equivalent.
- 311 Apparel Design II: Art Principles Applied to Apparel Design (3:2:3).** Application of numerous artistic media to solve client-centered apparel problems. Pr. 101 or 121, 241, and ART 140.
- 351 Introduction to the Sociopsychological Aspects of Clothing (3:3).** The interaction of clothing and textiles with the individual and society: sociological, psychological and economic implication as seen in an historical and contemporary setting. Pr. SOC 211 and 3 hours of psychology or anthropology.
- 371 Modern Display Techniques (3:2:3).** Application of visual merchandising to textile and nontextile products and services, through design principles and physical manipulation.
- 401 Special Problems in Clothing and Textiles (1 to 4).** Individual study. Conference hours to be arranged.
- 441 Textile Analysis (3:2:3).** Advanced study of textile fibers, fabrics, and products through the use of testing procedures. Pr. 341, CHE 104 or 205, PHY 305 or equivalents. Offered spring semester even years.
- 470 Internship in Clothing and Textiles (3).** Relevant internship experiences for clothing and textiles majors in off-campus organizations. Approved plan required prior to internship. May be taken twice for a total of 6 hours. a, Clothing/Fashion Merchandising; b, Textiles; c, Apparel Arts. Pr. minimum of 12 hours in clothing and textiles, junior or senior standing, or consent of instructor.
- 471 Internship in Clothing and Textiles (3).** Relevant internship experiences for clothing and textiles majors in off-campus organizations; approved plan required prior to internship. May be taken twice for a total of 6 hours. a, Clothing/Fashion Merchandising; b, Textiles; c, Apparel Arts. Pr. minimum of 18 hours in clothing and textiles, junior or senior standing, or consent of instructor.
- 493-494 Honors Work (3:3)-(3:3).**
- development of slopers and master patterns in children's, men's, and selected items of ladies' wear. Consideration given to anthropometry of typical and specialty sizing systems. Pr. 301 or permission of instructor.
- 514 History of Textiles (3:3).** Historical background and characteristics of decorative textiles through fifty centuries. Pr. two courses in history; 241 strongly recommended. Offered fall semester.
- 524 Textile Technology (3:2:3).** Advanced study of chemical properties of fibers in relation to methods of processing fabrics and factors influencing serviceability. Pr. 241, 441 or approved equivalents. Offered spring semester odd years.
- 527 Problems in Clothing and Textiles (2 to 6).** Individual study.
- 531 Apparel Marketing (3:3).** Intensive analysis of marketing principles applied to the apparel industry. Pr. 231.
- 534 Textiles in Home Furnishings (3:3).** Factors related to raw materials, quality, design, technology, performance and comparative cost of textiles used in home furnishings. Pr. 241 or approved equivalent.
- 541 Consumer Textiles: Product Standards (3:3).** The process of developing product standards and their ultimate significance to the consumer and to industry. Voluntary and regulatory procedures in the development of standards. Pr. 241, 441 or equivalents. Not offered every year.
- 544 Clothing and the Environment (3:2:3).** Study of the balance between the individual, clothing and the environment, with emphasis on effects of fabric and clothing structure on comfort. Pr. 241, PHY 305 or equivalents.
- 547 Materials and Methods for Teaching Clothing (2:2).** Discussions, demonstrations and projects planned to meet student needs. Not offered every year.
- 551 Clothing for the Family (3:3).** Understanding family clothing problems and standards of buymanship. Pr. 101 or 201 or 241.
- 561 Clothing and Textile Economics (3:3).** Economic and social aspects of production, distribution and utilization of clothing and textiles. Pr. ECO 201 or approved equivalent. Offered fall semester.
- 571 Apparel Design III: Draping (3:1:6).** The interrelation of factors involved in creative clothing design for the mass market: emphasis on the draping method, cost analysis and factory methods. Pr. 201, 301, 311, ART 140; or consent of instructor.
- 584 Contemporary Influences in Clothing Consumption (2:2).** Survey of developments in production, distribution and marketing of clothing and accessories. Pr. 231. Offered spring semester.
- 591 Apparel Design IV: Tailoring (3:2:3).** Principles of decision making and management applied to the construction of a tailored garment by custom and trade methods. Pr. 201 and 301 or approved equivalents. Offered fall semester.

## Courses for Advanced Undergraduates and Graduates

- 500 Supervised Professional Experience (1-4:0:3-12).** Supervised professional experience in selected commercial or industrial organization, public or private agencies.
- 501 Sizing Systems in the Apparel Industry (3:3).** Basic sizing systems used in the production of ready-to-wear clothing and accessory items in the ladies', men's and children's wear markets. The need for specialty sizes is also explored. Pr. 231 or permission of instructor.
- 504 History of Costume (3:3).** Historical background, sequential development and function of costume since early times. Pr. two courses in history. Offered spring semester.
- 511 Advanced Applications of Flat Pattern Drafting Techniques (3:2:3).** Flat pattern drafting techniques in



## Courses for Graduates

- 601 **Directed-Individual Study In Clothing and Textiles (1 to 6).**
- 611 **Graduate Seminar (0).**
- 621 **Advanced Textiles (3:3).**
- 630 **Fundamentals of Laboratory Research In Clothing and Textiles (3:3).**
- 631 **(a) Problems In Clothing (1 to 6).**  
**(b) Problems In Textiles (1 to 6).**
- 634 **Evaluation of Clothing and Textiles (3:3).**
- 641 **Textile Finishes Influencing Product Performance (3:2:3).**
- 661 **Sociological and Psychological Aspects of Clothing and Textiles (3:3).**
- 670 **Minor Research (2 to 6).**
- 671 **Seminar In Clothing and Textiles (3:3).**
- 681 **Apparel Design V: Advanced Experimental Design (3:2:3).**
- 691 **Textile Conservation (3:3).**
- 694 **(a) Readings In Clothing (3:3).**  
**(b) Readings In Textiles (3:3).**
- 699 **Thesis (3 to 6).**
- 799 **Dissertation (1 to 12).**
- 800 **Graduate Registration.**
- 801 **Graduate Registration.**

## Food, Nutrition, Food Service Management-FNS/courses

### Courses for Undergraduates

- 103 **Food Selection and Preparation (3:2:3).** Basic scientific principles of food preparation with emphasis on standards of selection, purchasing, preparation, storage and preservation.
- 213 **Nutrition (3:3).** Basic principles of human nutrition with emphasis on the nutrients and factors which affect their utilization in the human body.
- 303 **Food Management (3:2:3).** Consideration of economic, management, palatability, safety and nutrition quality in food decisions emphasized. Application of goals and principles of meal management in planning, preparation and service of selected functions. Pr. 103 or approved equivalent.
- 313 **Nutrition Throughout the Life Cycle (3:2:3).** Principles of nutrition applied to meet the nutrient needs at different stages of the life cycle. Forces governing food availability, acceptability, nutritive quality and safety are stressed in the preparation of nutritional plans for individuals and groups. Pr. 213 or approval of instructor.
- 401 **Special Problems in Food, Nutrition, Food Service Management (1 to 4).** Individual study. Conference hours to be arranged.

493- Honors Work (3:3)-(3:3).  
494

### Courses for Advanced Undergraduates and Graduates

- 500 **Supervised Professional Experience (1-4:0:3-12).** Supervised professional experience in selected commercial or industrial organizations, public or private agencies.
- 503 **Experimental Food Study (3:2:3).** Experimental study of factors regulating the preparation of standard food products. Pr. or parallel, 103 or approved equivalent.
- 509 **Quantity Cookery (3:1:6).** Principles of food preparation applied to large quantities. Emphasis on menu planning, correct use and care of power equipment, cost control and food service. Pr. 103 or approved equivalent.
- 513 **Nutrition Education (3:3).** Philosophy, principles, methods and materials involved in nutrition education. Emphasis on development of nutrition education curriculum and program in school and community. Pr. 213 or equivalent or consent of instructor.
- 517 **Management Problems in Teaching Foods (2:2).** Food preparation in relation to use of time, energy and equipment. On demand.
- 519 **Food Service Management (3:3).** Planning, organization and administration of institutional food service, personnel and work units. Pr. MGT 310.
- 520 **Quantity Food Purchasing (3:3).** Purchasing procedures, quantity buying guides, food storage and methods of cost control. Pr. or parallel 103 or 303. Field trips required.
- 523 **Community Nutrition (3:2:3).** Current trends in community nutrition with emphasis on community services, government projects and international health organizations. Pr. 213 or equivalent; 573 recommended, but not required.
- 527 **Problems in Food, Nutrition, Food Service Management (2 to 6).** Individual study.
- 531 **Nutrition and Human Metabolism (3:3).** Structure, function and regulation of nutrients in human metabolism. Pr. organic chemistry, basic nutrition.
- 532 **Analysis and Control of Food Systems (3:2:3).** An overview of food service cost control, financial methods and procedures necessary to forecast cost and record and control expense. Pr. 509, 519.
- 533 **Cultural Aspects of Foods (3:3).** Food patterns and population groups; malnutrition and food habits; national and international programs towards improved food supply and food habits. Pr. 103, 213 or 313 or consent of instructor.
- 540 **School Food Service (2:1:3).** Selection, purchase, preparation and service of food for school lunchrooms; organization, administration, records and cost control applicable to school lunchrooms. Not offered every year.
- 543 **Maternal and Infant Nutrition (3:2:3).** Nutritional needs of pregnant and lactating women and infants;



methods of evaluating nutritional status of these groups; effects of nutrition on pregnancy outcome and infant development. Pr. 213 or equivalent.

- 549 **Supervised Experience in Food Service Management (3:1:6).** Directed experiences in managerial problems of institutional food service. Pr. 509, 519, 520.
- 553 **Child and Adolescent Nutrition (3:2:3).** Nutritional needs of children and adolescents; methods of evaluating nutritional status of these groups; effects of nutrition on development. Pr. 213 or equivalent; 543 recommended but not required.
- 559 **Comparative Analysis of Food Service Systems (3:1:6).** Critical analysis of operational procedures of food service systems in the community. Pr. 509, 519, 520 (509 and 520 may be taken concurrently.)
- 563 **Food Preservation (2:1:2).** Comparative study of methods of food preservation with laboratory application, emphasizing recent developments. Not offered every year.
- 573 **Diet Therapy (3:3).** Clinical aspects of nutrition. Study of the developments and uses of therapeutic diets to combat nutritional diseases and physiological disorders. Pr. 213 or 313 (may be taken concurrently); BIO 277, 535.
- 583 **Food Demonstration Techniques (2:1:2).** Demonstration as an educational device; organization and execution of individual and group demonstrations. Pr. 103.
- 593 **Advanced Nutrition (3:3).** Biochemical and physiological aspects of nutrient metabolism and utilization. Nutrient requirements for maintenance, growth, pregnancy, lactation, work and senescence. Pr. 213 or 313, BIO 535.

### Courses for Graduates

- 601 **Directed-Individual Study in Food, Nutrition, Food Service Management (1 to 6).**
- 602 **Introduction to Clinical Dietetics (2:1:3).**
- 603 **Food Chemistry (4:3:4).**
- 604 **Nutrient Drug Interaction (3:3).**
- 605 **Nutritional Assessment (4:2:6).**
- 606 **(a)(b)(c) Practicum in Clinical Dietetics (3 to 6), (3 to 6), (3 to 6).**
- 609 **Seminar in Food and Nutrition (2:2) or (3:3).**
- 611 **Graduate Seminar (0).**
- 613 **(a) Readings in Foods (3:3).  
(b) Readings in Nutrition (3:3).**
- 619 **Nutrition Consultation Methods (3:2:3).**
- 623 **Current Trends In Nutrition (3:3).**
- 629 **Readings In Food Service Management (2:2).**
- 630 **Fundamentals of Laboratory Research in Food, Nutrition, Food Service Management (3:3).**
- 633 **The Mineral Nutrients (3:3).**
- 639 **Advanced Food Service Management (3:3).**
- 643 **Nutrition and Aging (3:3).**
- 649 **Nutrition and Physical Performance (3:3).**
- 653 **Problems in Food and Nutrition (2 to 4).**

- 659 **Advanced Quantity Cookery (2:1:3).**
- 660 **Problems in Food Service Management (2 to 4).**
- 663 **Nutritional Aspects of Proteins and Amino Acids (3:3).**
- 669 **Energy, Lipids, Carbohydrates and Alcohol (3:3).**
- 670 **Minor Research (2 to 6).**
- 673 **Nutrition Research Methodology (4:2:6).**
- 679 **Nutrition in Developmental Disorders (3:3).**
- 683 **Nutritional Aspects of Vitamins (3:3).**
- 689 **Hormonal Regulation of Nutrient Metabolism (3:3).**
- 693 **Advanced Medical Dietetics (3:3).**
- 699 **Thesis (3 to 6).**
- 799 **Dissertation (1 to 12).**
- 800 **Graduate Registration.**
- 801 **Graduate Registration.**

## Home Economics in Education & Business-HEB/courses

### Courses for Undergraduates

- 210 **Aspects of the Personal Environment (3:3).** The study of the reciprocal relationships between families and environments. Emphasis is given to family needs, stage in the life cycle and lifestyles as they are influenced by cultural, social, political, economic and technological forces.
- 267 **Introduction to Home Economics Education (in the Public Schools) (2:2).** Nature and scope of home economics in the public schools with particular emphasis on its relationship to the total educational experience. Observation and participation in teaching-learning environments will be included.
- 357 **Curriculum and Teaching Methods in Home Economics (3:3).** Principles of education applied to curriculum and methods of teaching home economics. Pr. PSY 221 or consent of instructor.
- 377 **Professional Orientation to Home Economics in Business and Community Services (3:3).** Identification and exploration of home economics related careers in the business and community services concentration. Pr. or co. ISM 309.
- 401 **Special Problems in Home Economics in Education and Business (1 to 4).** Individual study. Conference hours to be arranged.
- 410 **Multidisciplinary Approaches to Issues Affecting Families (3:3).** Contemporary and changing issues affecting families and their environment. A multidisciplinary approach to decision making and problem solving. The course will include interaction of faculty and professionals and investigations of community concerns. For senior home economics majors only. Pr. 210, CDF 212 or approved equivalents.



- 467 **Supervised Teaching in Home Economics (9).** Supervised student teaching under the direction of a cooperating teacher with university supervision. Full-time teaching assignment in cooperating schools for 10 weeks. Pr. 357, 478, 507, 508; senior standing with 2.25 GPA.
- 478 **Planning and Evaluating the Consumer and Homemaking Program (3:2:3).** Planning the consumer and homemaking program in secondary schools in relation to total school program and the community. Supervised teaching of adults. Pr. 357.
- 493-494 **Honors Work (3:3)-(3:3).**

## Courses for Advanced Undergraduates and Graduates

- 500 **Supervised Professional Experience (1-4:0:3-12).** Supervised professional experience in selected commercial or industrial organizations, public or private agencies. Pr. 377 for BCS majors.
- 507 **Occupational Home Economics Practicum (1-3:3-9).** Planned work experience in one or more specialized home economics related areas approved in advance by instructor. Coordinating conferences and seminars. May be repeated for a total of 3 semester hours. Pr. consent of instructor.
- 508 **Occupational Home Economics (3:2:3).** Emphasis on the philosophy and design of laboratory and cooperative home economics programs. Work experience in home economics related occupations. Pr. 507.
- 518 **Methods in Adult Home Economics Programs (3:3).** Emphasis on scope, organization, implementation and evaluation of programs for teaching adults in a variety of professional settings related to home economics.
- 527 **Problems in Home Economics in Education and Business (2 to 6).** Individual study.
- 557 **Informational Processes in Home Economics (3:3).** Presentation of home economics information through application of communication skills, demonstration techniques, and design principles. Use of microcomputers in home economics related careers. Pr. COM 112 or 341, 18 s.h. home economics subject matter content or permission of instructor.
- 597 **Survey of Pre-Vocational Education (3:3).** Designed primarily for pre-vocational education teachers. Emphasis on philosophy and organization of vocational education programs in North Carolina, curriculum and instructional design, sources and uses of occupational information and program evaluative measures. Pr. permission of department head. Same as BME 597.
- 598 **Curriculum and Classroom Organization of Pre-Vocational Programs (3:3).** Designed for pre-service and in-service teachers of pre-vocational programs. Emphasis on curriculum development, teaching techniques, resources, facilities and evaluation. Pr. permission of department head. Same as BME 598.

## Courses for Graduates

- 601 **Directed-Individual Study in Home Economics in Education and Business (1 to 6).**
- 607 **Contemporary Issues in Home Economics Education (1 to 6).**
- 611 **Graduate Seminar (0).**
- 617 **Practicum (3).**
- 627 **New Perspectives in Home Economics Education (3:3).**
- 630 **Fundamentals of Laboratory Research in Home Economics in Education and Business (3:3).**
- 637 **Philosophy and Techniques of Supervision in Home Economics Education (3:3).**
- 640 **Design and Philosophy of Research in Home Economics (3:3).**
- 657 **Evaluation in Home Economics (3:3).**
- 668 **Group Work Techniques and Interpersonal Relations in the Teaching of Home Economics (3:3).**
- 670 **Minor Research (2 to 6).**
- 677 **Curriculum in Home Economics (3:3).**
- 699 **Thesis (3 to 6).**
- 740 **Home Economics in Higher Education (3:3).**
- 799 **Dissertation (1 to 12).**
- 800 **Graduate Registration.**
- 801 **Graduate Registration.**

## Housing & Interior Design-HID/courses

### Courses for Undergraduates

- 101, 102 **Basic Environmental Design I, II (3:0:6), (3:0:6).** Investigation of the sensory environment as a design determinant. Emphasis is centered on individual discovery by the student who must function in problem-formulating and problem-solving processes. The development of conceptual models. Pr. admission to the Interior Design Program; to be taken concurrently with 111, 112.
- 111, 112 **Perception and Communication I, II (3:0:6), (3:0:6).** Studies designed to increase perceptual awareness and communication skills through exercises in various design and communications media and by investigation of pertinent theoretical concepts and established procedures. Pr. admission to the Interior Design Program; to be taken concurrently with 101, 102.
- 201, 202 **Basic Environmental Design III, IV (4:1:6), (4:1:6).** Introduction to the disciplines of landscape architecture, architecture, product design and interior design through environmental studies, investigations of materials and processes and man-object-space relationships. Emphasis is placed on organizing and solving problems. Pr. 102.
- 205 **The House and Its Furnishings (3:3).** Evaluation of housing alternatives; planning furnishings according



- to space use, aesthetics, economy and individuality. Open to non-majors.
- 211, 212 Visual Communication I, II (2:0:4), (2:0:4).** Visual communication processes as they support design activities. Two- and three-dimensional studies as related to conceptual and definitive aspects of the design process. Exercises are aimed at developing a mastery of both technical and non-technical methods of visual communication. Pr. 112.
- 221, 222 History of Design I, II (3:3), (3:3).** A survey of design forms evolved in response to man's needs for community, architecture, furnishings and artifacts from pre-historic periods through the modern era with reference to cultural, political and technological movements which affected their development.
- 252 Self-Directed Options in Interior Design (2:2:0).** Introduction to process, content, requirements and options for self-directed learning opportunities in interior design. Students are required to plan and complete an individually defined self-directed project.
- 301 Interior Design I (4:1:6).** Design investigations of personal space of limited size and complexity for people of varying social, economic, educational and cultural backgrounds. Pr. 202, 212.
- 302 Interior Design II (4:1:6).** Design investigations of interior spaces of limited size and complexity for use by permanent, semi-transient or transient clientele. Pr. 202, 212.
- 331 Social and Behavioral Aspects of Interior Design (3:3).** Introduction to literature and methods of environmental design research as it applies to interior environments. Pr. at least one course in the social sciences at the 200 level or above.
- 332 Materials and Structures of Interior Architecture (3:3).** Investigation of contemporary materials, structural elements, environmental control and other mechanical systems and components of interior architecture. Emphasis is placed on measurements and specifications. Pr. 101, 102, 201, 202.
- 355 Housing and Community (3:3).** An introduction to housing as an environment for living. Sociological, psychological, economic and technological aspects of shelter will be explored from both historical and contemporary perspectives.
- 411 Interior Design III (4:1:6).** Problems in the design of multi-function, multi-living environments considering future trends in urbanization, technology and population needs. Pr. 301, 302.
- 412 Interior Design IV (4:1:6).** Problems in the design of complex environmental situations with emphasis on collaboration with other members of a design team in the development of the design solution. Pr. 301, 302.
- 431 Interior Lighting Design (3:1:4).** Exploration of light as a design element in interior architecture: uses and control of light, lighting fixtures and lighting installation for desired effect. Emphasis is placed on experimentation with light in relation to other elements and on the design of lighting fixtures. Pr. 101, 102, 301, 302.
- 432 Special Problems in Interior Design (1 to 4).** Independent study of topics of special interest.
- Conference hours to be arranged. Pr. consent of instructor with whom student wishes to work.
- 451 Professional Practice in Interior Design (3:3).** Investigation of business, legal, ethical aspects of professional practice in interior design by students, staff and guest speakers. Pr. open to third, fourth and fifth year students in interior design.
- 452 Internship in Interior Design (4 to 6).** Design-relevant internship experiences in off-campus organizations. Approved learning plan required prior to beginning experience; enrollment in 453 in semester following. May be taken twice for total of 10 semester hours credit. Pr. consent of instructor; 252.
- 453 Interior Design Internship Seminar (1:0:2).** Follow-up seminar for internships. Presentation of individual internships, identification of pervasive problems, group projects to address these problems. May be repeated for a total of 2 semester hours credit. Pr. 252 or consent of instructor; 452; consent of instructor required to take concurrently with 452.
- 493-494 Honors Work (3:3), (3:3).**
- 499 Studio Problems in Interior Design (4 to 6).** Self-directed investigation of design problems formulated in collaboration with faculty and that develop competencies equivalent to those covered in interior design studio courses. May be repeated for a maximum of 16 hours credit. Pr. open only to students enrolled in the Accelerated Option in Interior Design.

### ○ Courses for Advanced Undergraduates and Graduates

- 500 Supervised Professional Experience (1-4:0:3-12).** Supervised professional experience in selected commercial or industrial organizations, public or private agencies.
- 501, 502 Advanced Interior Design I, II (6:0:12), (6:0:12).** Advanced design problems having complex functional, social and economic implications, with emphasis on problem identification, formulation and design development through the collaborative efforts of a design team. Pr. 411, 412.
- 527 Problems in Housing and Interior Design (2 to 6).** Individual study.
- 531 Design Seminar (2:2).** Investigation of current research and subjects of topical interest in environmental design. May be repeated for a total of 4 hours credit. Pr. consent of instructor.
- 535 Lighting and Wiring Design (2:2).** Study of environmental lighting and wiring design. Not offered every year.
- 536 History of Furniture (3:3).** Study of stylistic and cultural developments in the decorative arts with special concentration on America. Not offered every year.
- 546 The Home Furnishings Industry (2:1:1).** Design, construction and cost of current home furnishings related to manufacturing and retailing processes. Field trips to representative industries and the



Southern Furniture Market. By permission of instructor. Not offered every year.

- 555 **Housing (2:2).** Survey of psycho-social, economic aspects of the housing industry and specific dwellings. Pr. 355 or consent of instructor.

## Courses for Graduates

- 601 **Directed-Individual Study in Housing and Interior Design (1 to 6).**
- 602 **Advanced Interior Design III (6).**
- 611 **Graduate Seminar (0).**
- 630 **Fundamentals of Laboratory Research in Housing and Interior Design (3:3).**
- 631 **Environmental Design Research (3:3).**
- 645 **Seminar in Housing and Interior Design (3:3).**
- 646 **Practical Problems in Home Furnishings (2:2).**
- 665 **Problems in Housing and Interior Design (2 to 4).**
- 670 **Minor Research (2 to 6).**
- 675 **Advanced House Planning (3:1:6).**
- 685 **Readings in Housing (3:3).**
- 699 **Thesis (3 to 6).**

## Honors Program

### Honors Council:

- Keith Cushman**, Director of the Program, Department of English.
- Jeutonne P. Brewer**, Chairman of Interdepartmental Studies, College of Arts and Sciences, ex officio.
- Bruce Caldwell**, Department of Economics.
- Robert Cannon**, Department of Biology.
- Ronald Cassell**, Department of History.
- Aubrey S. Garlington, Jr.**, School of Music.
- Kelley E. Griffith, Jr.**, Department of English.
- Janet C. Harris**, Department of Physical Education.
- Garrett W. Lange**, Department of Child Development and Family Relations.
- Terrance C. McConnell**, Department of Philosophy.
- Carol Marsh**, School of Music.
- Robert Newton**, Department of German and Russian.
- Richard L. Shull**, Department of Psychology.
- Anne C. Steele**, Department of Information Systems and Operations Management.
- James Clay Thompson**, Department of Political Science.
- Christine Brice**, Student member.
- Maria DeMitchell**, Student member.
- Susan Dosler**, Student member.
- Thomas Little**, Student member.
- Ronda Messlick**, Student member.

The program is under the general supervision of an Honors Council composed of faculty and students from the various schools of the University, as well as from the College of Arts and Sciences. All are appointed by the Dean of the College of Arts and Sciences.

The Honors Program offers an opportunity for broad interdisciplinary study leading to more focused and

independent work as students progress toward the Bachelor's degree. In early stages of the program students take seminars that explore fundamental areas of study and that examine important questions which transcend departmental divisions. They may also enroll in special Honors sections of English composition, Western Civilization, and calculus. Later, students may choose to continue working in a seminar setting as they concentrate on more specialized areas, or they may prefer to do an independent study under direction of a faculty member. Participants are encouraged to maintain meaningful contact with the wider community of Honors students.

Topics of study are varied. Association with faculty and other honors students is close, a welcome contrast to large lecture classes. In fact, almost every aspect of the program, from team-taught interdisciplinary seminars and student-initiated seminars to independent study and the senior project, is a special and often unique feature of Honors work. It is an opportunity for highly qualified students to pursue a course of study together and to grow intellectually as they learn from each other.

Seminars have dealt with such subjects as "World War I" and "Monsters and the Monstrous," while topics like "Autism" and "Congressional Voting Behavior" have been explored independently.

Clearly, this program is for students who enjoy intellectual stimulation and challenge. To such students, it has much to offer. It also demands academic ability, serious interest and commitment. For this reason, students are admitted to the program on the basis of class standing (or faculty recommendation).

### Requirements for Admission

Students recommended by the faculty and who are in the top 10% of their class are eligible. First semester freshmen are admitted on the basis of high school standing and S.A.T. scores or, exceptionally, through personal interview.

Eligible students who enter the program are encouraged to complete the minimum honors curriculum (10-12 hours) which consists of three honors courses, including at least two seminars, plus the Senior Honors Project. Additional Honors work may be taken, or students may elect to enroll in only a portion of the minimum curriculum. Students who take at least the minimum curriculum will be considered to have completed the Honors Program and will have the accomplishment recorded on their transcript.

In order to remain in the program, students must maintain a high standard of academic performance. Students whose standing falls below the top 10% of their class may, at the discretion of the Director, continue in the program for a probationary period of one semester, during which class standing will be expected to improve.

### 600-level (Graduate) Courses

Senior honors students may enroll in 600-level (graduate) courses subject to the approval of the head of the department in which the course is being offered. The Dean of Academic Advising and the Graduate School must countersign this approval.

## Honors Program- HSS/courses

### Freshman Program

**100 Freshman Honors Seminar (3:3).** Interdisciplinary introduction to a unified area of knowledge such as humanities, natural science or social science. Taught jointly by two faculty members from different departments or schools. Area may vary each semester. May be repeated for credit if topic changes. Area credit indicated by numbers: 100H (Humanities), 100N (Natural Sciences and Mathematics), 100S (Social and Behavioral Sciences), 100 (no area credit). Pr. recommendation of Honors Council. The Program also offers special Honors sections of such courses as English 101 and 102, Western Civilization 101 and 102, and Mathematics 191.

### Sophomore Program

Several options are available at the sophomore level.

- 200 Interdisciplinary Seminar (3:3).** Interdisciplinary seminar focusing on a particular theme or topic and taught by two faculty members from different departments or schools. Topic varies each semester. May be repeated for credit as topic changes. Area credit indicated by numbers: 200H (Humanities), 200N (Natural Sciences and Mathematics), 200S (Social and Behavioral Sciences), 200 (no area credit). Pr. top 10% of class.
- 220 Student Seminar (1:1).** Students (usually eight to ten) agree on a general topic for a semester's study. Each participant defines a special interest to be explored individually as a contributing member of the group. A faculty member is associated with the group for guidance. Not offered every year.
- 230 Sophomore Honors Independent Study (1 to 3).** Student, in consultation with a faculty member, develops a bibliography and specifies requirements to be completed in independent work. Pr. one previous course in the Honors Program and top 10% of class.

### Junior Program

- 300 Special Topics Seminar (3:3).** Qualified students engage in intensive study of a theme or topic within a particular discipline. May be repeated for credit as topic changes. Area credit indicated by numbers: 300H (Humanities), 300N (Natural Sciences and Mathematics), 300S (Social and Behavioral Sciences), 300 (no area credit). Pr. top 10% of class.
- 330 Junior Honors Independent Study (3).** Student consults with a faculty member and develops a specific program of concentrated study and investigation within a particular discipline. May be repeated for credit if program of study changes. Pr. 100 or 200 and top 10% of class.

### Senior Program

Seniors may select a thesis, seminar or project. They may also enroll in 600-level (graduate) courses.

- 493- Senior Honors Thesis (3)-(3).** Students must register through respective departments. Pr. Junior Honors Seminar.

Honors thesis work in the senior year replaces six hours of class work, three each semester. One semester is devoted to intensive reading and research covering a broad area of the student's major, followed by an Honors examination. The other semester is devoted to the writing of an Honors essay, to a creative project or to an experimental project, depending upon the nature of the student's material. A director guides and assists the student in correlating the two phases of the Honors Program. Credit earned in the major field through Honors work is included in the total hours required for majoring in that field; however, an Honors student in the B.A. program may take for credit the six hours of Honors work in addition to the maximum allowed in the major subject. The Honors candidate shall not be permitted to enroll for more than thirteen hours in addition to the Honors work in either semester. With the permission of the head of the department and the instructor concerned, the student may be excused from any course examination in a major subject in the second semester.

There are two alternatives to the thesis course for senior Honors students.

- 400, 401 Senior Honors Seminar (3), (3).** Provides the opportunity for qualified students to study in the group-oriented atmosphere of a seminar with the amount of intense and rigorous discipline implied at the senior level. Pr. recommendation of the head of the department within which work is to be done and of the Honors Council.
- 490 Senior Honors Project (1 to 3).** After submitting a plan to the Honors Council for approval, no later than one semester before the project is to begin, a student engages in work on a project (essay, original creation, performance, etc.) under the supervision of a faculty member in the school or department of his major. Meets periodically with other honor students, similarly engaged, and a faculty coordinator to report on his progress. Project is presented to the group in its completed form and evaluated jointly by the school or departmental faculty and coordinator. Pr. approval of the Honors Council.

### Information Systems and Operations Management — Department of

(479 Business & Economics Bldg./School of Business and Economics).

**Gerald L. Hershey** (1976), Professor and Head of Department/B.S., Shippensburg State College/M.S., Ph.D., Indiana.

**Eddy H. Cheng** (1982), Adjunct Associate Professor and Director of the Administrative Computer Center/B.S., National Cheng Kung University/M.A., Duke/Ph.D., N.C. State.

**Rosann Webb Collins** (1983), Instructor/B.F.A., M.L.S., UNC-G.



- Randall L. Cook** (1984), Lecturer/B.S., Idaho.
- James W. Crews** (1973), Professor and Director of Division of Business and Marketing Education/B.S.E., M.A.E., Florida/Ed.D., Indiana.
- Mary U. Eagle** (1981), Lecturer/B.S.S.A., M.Ed., UNC-G. Part-time, first semester 1984-85.
- John L. Eatman** (1981), Associate Professor/B.S., Atlantic Christian/M.S., Virginia Commonwealth/Ph.D., South Carolina.
- Richard A. Ehrhardt** (1982), Associate Professor/B.S., The Cooper Union/M.S., Massachusetts/M.S., California at Berkeley/Ph.D., Yale.
- Linda B. Greene** (1983), Instructor/B.S.B.E., Western Carolina/M.S.B.E., UNC-G.
- George P. Grill** (1963), Professor/B.S., M.A., Appalachian State/Ed.D., North Dakota.
- Mary Elizabeth Jarrard** (1983), Instructor/A.B., U.N.C. at Chapel Hill/M.A.T., Duke/Ph.D., U.N.C. at Chapel Hill.
- Henry A. Klalber** (1981), Lecturer/B.A., Bucknell.
- Joretta Klepfer** (1982), Lecturer/B.A., UNC-G. Part-time.
- Gwendolyn S. Loy** (1975), Associate Professor/B.S.S.A., M.Ed., Ed.D., UNC-G.
- Anne C. Steele** (1980), Associate Professor/B.A., Reed College/M.S., Ed.D., Lehigh.
- Larry R. Taube** (1982), Assistant Professor/B.S., M.S., Clarkson College/Ph.D., U.N.C. at Chapel Hill.
- Robert C. Tesch** (1981), Associate Professor/B.S., New Mexico/M.Ed., Wayne State/Ed.D., Utah State.
- Wanda O. Thies** (1982), Instructor/A.B., Queens College/M.S.B.E., UNC-G.
- Edward A. Thomas** (1983), Lecturer/B.S., M.B.A., Murray State. Part-time, first semester 1984-85.
- James K. Weeks** (1976), Associate Dean and Associate Professor/B.S., Methodist/M.B.A., East Carolina/Ph.D., South Carolina.
- Kathy Brittain White** (1981), Assistant Professor/B.S.E., M.S.E., Arkansas State/Ed.D., Memphis State.

The Department of Information Systems and Operations Management combines study of information systems, office systems and operations management. This arrangement allows students to pursue study of applications of automation and computer technology in such areas as: management systems, production-manufacturing systems, office systems, and information systems. Employing organizations have been pleased with graduates of the former Business Information Systems and Operations Management programs, and career opportunities should be excellent for majors who evidence academic quality. Students should contact the Departmental office to obtain a handout describing career opportunities and requirements.

Three concentrations are offered by the Department—**Management Information Systems, Office Systems Administration and Operations Management**. Each concentration is outlined in more detail in the following sections.

Departmental faculty will be pleased to assist students in program planning and discuss **career opportunities, Internships** and the roles majors can play in **professional organizations**. Students majoring in the Department will work with a faculty adviser and should consult their advisers regarding academic program and professional development opportunities.

All majors in the Department will have opportunities to use microcomputers and to learn about contemporary applications of computers in many organizational settings. Likewise, students will have numerous opportunities to learn about operations in major business firms in the Triad and State through systems studies, guest lectures and visits with industry managers.

## INFORMATION SYSTEMS AND OPERATIONS MANAGEMENT MAJOR (Bachelor of Science)

Each of the three concentrations described in the following sections requires **formal admission** to the School of Business and Economics and to the Department and a minimum of 122 semester hours of study. For a summary of School admission requirements, see pages 54-55.

### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One course in English composition or exemption.
2. Three courses from Humanities Area (H).
3. Two courses from Natural Sciences and Mathematics Area (NSM) to include at least three semester hours in one of the following: biology, chemistry, geography or physics.
4. Two courses, outside the School of Business and Economics, from Social and Behavioral Sciences Area (SBS).
5. Four additional courses, outside the School of Business and Economics, from any one, all or combination of the three areas above or in an elementary foreign language.

Note: Work taken to satisfy Areas 2, 3, 4 and 5 above or in other portions of the student's program must include MAT 191, PSY 221, SOC 211 and three additional semester hours in approved social and behavioral sciences other than credit courses offered in the School of Business and Economics. See your adviser for assistance.

### Departmental Requirements

To complete a concentration in the Department, each Departmental major must complete ISM 234, 309, 345, 350 and 360, in addition to those courses specified within the concentration.

### Management Information Systems Concentration

#### Liberal Education Requirements

See Requirements as listed in Departmental Major Section.

#### Concentration Requirements

ISM 300, 310, 351, 400, 452, 492 and one elective selected from ISM 320, 361, 362, 413, 461, 499.

#### Related Area Requirements

1. ACC 201, 202.
2. ECO 201, 202, 350.
3. FIN 340.
4. MGT 310, 320, 330, 491.



### Electives

Not more than six semester hours of coursework may be elected in the School of Business and Economics beyond those courses specified in the concentration. Students may not take more than 72 hours in the School.

### Office Systems Administration Concentration

#### Liberal Education Requirements

See Requirements as listed in Departmental Major Section.

#### Concentration Requirements

ISM 320, 351, 420, 472 and one elective selected from ISM 300, 413, 461, 499.

#### Related Area Requirements

See Management Information Systems on page 176.

### Electives

Not more than 12 semester hours of coursework may be elected in the School of Business and Economics beyond those courses specified in the concentration. Students may not take more than 72 hours in the School.

### Operations Management Concentration

#### Liberal Education Requirements

See Requirements as listed in Departmental Major Section.

#### Concentration Requirements

ISM 461, 462, ECO 311 and either ISM 430 or 499 and one elective selected from ACC 430; ECO 312, 319, 351; MGT 421, or ISM 430, 499.

#### Related Area Requirements

See Management Information Systems on page 176.

### Electives

Not more than 12 semester hours of coursework may be elected in the School of Business and Economics beyond those courses specified in the concentration. Students may not take more than 72 hours in the School.

## Information Systems and Operations Management-ISM/courses

### Courses for Undergraduates

**234 Introduction to Business Information Systems (3:3).** Overview of computer hardware, software and systems analysis and design as they relate to managerial uses of computers. Introduction to BASIC programming language. Designed primarily for

School of Business and Economics students. (Formerly BIS 234.)

- 235 Introduction to Digital Computer Programming (3:3:1).** Beginning course in computer programming using a higher level programming language. Includes topics in basic machine organization, problem formulation, numerical methods and applications in business, statistical and data manipulative procedures. Pr. MAT 119 or equivalent. (Formerly BUS 235.)
- 300 COBOL Programming I (3:3).** Introduction to the use of the COBOL language as a tool for solving business-related problems on digital computers. Emphasis is placed on problem analysis and structured programming. Pr. 234. (Formerly BIS 300.)
- 309 Business Communications (3:3).** Analysis and composition of effective business communiques, including both short and formal reports. Stresses the importance of communications to effective management of organizations. Pr. admission to Department or other professional program approved by Department. (Formerly BIS 309.)
- 310 COBOL Programming II (3:3).** Advanced study of structured COBOL programming. Multiple dimensioned tables, multiple file handling, indexed and direct file access for business applications. Pr. grade of at least C in 300 and admission to Department or other professional program approved by Department. (Formerly BIS 310.)
- 311 Administrative Office Operations (3:3).** Study of administrative office systems and procedures. Particular emphasis on word processing, office procedures development, and office personnel issues. Pr. BME 111 or equivalent. (Formerly BIS 311.)
- 320 Office Systems (3:3).** Organization and concepts of office systems. Approaches to integration of various support systems. Office automation practice related to word processing, electronic mail, and user issues. Pr. junior standing or permission of instructor. (Formerly BIS 320.)
- 345 Microcomputers in Business Information Systems (3:3).** The theory and practical applications of microcomputers in a business environment. Hands-on experience with microcomputer languages and software that relate to business information systems. Pr. 234 and admission to the Department or other professional program approved by Department. (Formerly BIS 345.)
- 350 Management Information System Concepts (3:3).** A survey of foundation concepts: system definition, constraints, relationship of MIS to data processing, organizational and behavioral implications, systems reliability and social responsibilities. Pr. admission to School of Business & Economics or other professional program approved by the School. (Formerly BUS 350.)
- 351 Analysis of Management Information Systems (3:3).** A study of managerial decision-making requirements, information systems structures, data classification/coding, data base concepts, information output determination and feasibility analysis. Pr.



- admission to Department or other professional program approved by Department. (Formerly BUS 451.)
- 360 Production Management (3:3).** A survey course on management of the production function of the organization with emphasis on design and control decisions. Qualitative and quantitative problem-solving methodologies will be presented to enhance managerial competence in the production function of manufacturing and service organizations. Pr. admission to School of Business & Economics or other professional program approved by the School. (Formerly BUS 360.)
- 361 Assembler Programming (3:3).** The examination and utilization of assembly language with an emphasis on understanding how a one-for-one machine language operates. Pr. 300. (Formerly BIS 361.)
- 362 RPG II Programming (3:3).** Analysis of RPG II to prepare and generate business reports. Emphasis on problem solving techniques. Pr. 300 or permission of instructor. (Formerly BIS 362.)
- 400 Database Programming (3:3).** Introduction to database processing with emphasis on file structures, commercial data bases, data definition language, query language and processing in a data-base environment. Pr. 310, admission to Department or other professional program approved by Department. (Formerly BIS 400.)
- 410 Office and Data Systems Analysis (3:3).** Processes and problems in analysis of such support systems as data processing, word processing, administrative support, etc. May involve field-based analysis experiences. Pr. 310, admission to Department or other professional program approved by Department. (Formerly BIS 410.)
- 413 Internship in Information Systems and Operations Management (1 to 3).** Relevant internship experiences in information systems and/or operations management. Approved plan required prior to internship. May be taken twice for a maximum of six semester hours. Pr. admission to Department or other professional program approved by Department, junior or senior standing, and consent of instructor. (Formerly BIS 413.)
- 420 Office Systems Analysis and Design (3:3).** Approaches and tools used in analysis and design of such office systems as word processing, record systems, etc. Development of techniques for assessing office productivity. Pr. 320 and admission to the Department or other professional program approved by Department. (Normally only offered in Spring semester). (Formerly BIS 420.)
- 430 Quantitative Business Analysis (3:3).** A survey course of the current management science techniques for business and economic decision making. Topics covered include decision making under risk, decision making under uncertainty, linear programming, waiting line theory, network models, forecasting and simulation. Pr. admission to School of Business & Economics or other professional program approved by the School. (Formerly BUS 430.)
- 452 Design of Management Information Systems (3:3).** Development of cost effective computer-based systems to produce information needed for managerial decision making as specified in the information analysis phase. Pr. 310. (Formerly BUS 452.)
- 461 Production and Inventory Control (3:3).** Analysis of development, execution, and control of an operating plan for an organization, including discussions of material and capacity control, quality control, and Japanese techniques. Cases and a term paper/project. Pr. 360, admission to Department or other professional program approved by Department. (Formerly BUS 461.)
- 462 Inventory Systems Planning (3:3).** Major topic areas covered include forecasting, aggregate production planning, and independent demand inventory systems. Cases and a project/term paper will be used. Pr. 360, ECO 350.
- 472 Advanced Office Systems (3:3).** Study of advanced topics in office systems and office automation. In-depth analysis of selected issues. Course may involve field-based research. Pr. 420, admission to Department or other professional program approved by Department. (Normally only offered in Fall semester). (Formerly BIS 472.)
- 492 Advanced Topics in Business Information Systems (3:3).** An advanced study of topics of interest to those in Business Information Systems concentration. Group discussions and study are emphasized. Pr. 452, admission to Department or other professional program approved by Department. (Formerly BIS 492.)
- 498 Independent Study (1 to 3).** Individual study of issues or problems in information systems and/or operations management. Student must arrange time and course requirements with instructor prior to registration. Pr. senior standing and permission of faculty of Department.
- 499 Problems in Information Systems and Operations Management (3:3).** Independent study and research with class discussion covering a topic or group of related topics of current interest in information systems and/or operations management. Pr. consent of instructor.

### ○ Courses for Advanced Undergraduates and Graduates

- 501 Information Systems in Management (3:3).** Relationship between managerial decision-making and information systems. Information systems in the organization. Systems analysis and design concepts. The role of data processing computers, and telecommunications in information systems. Pr. admission to MBA program or other masters degree programs with consent of Director of the MBA program. (Formerly BUS 501.)
- 519 Business Report Writing (3:3).** A continuation of 309. Emphasis on organizing and writing realistic business reports, including research methodology which



precedes report preparation. Pr. 309 or permission of instructor. (Formerly BIS 519.)

- 535 Electronic Data Processing I - Basic Concepts (3:3).** Introduction to basic computer concepts. Development of understanding in computer programming at the machine language level. Intended primarily for teachers; not open to students with credit for 234 or equivalent. (Formerly BIS 535.)

## Courses for Graduates

- 601 Management Systems (3:3).** (Formerly BUS 601.)  
**602 Production and Operations Management (3:3).** (Formerly BUS 602.)  
**605 Business Data Analysis (3:3).** (Formerly BIS 605.)  
**613 Directed Studies in Information Systems and Operations Management (1 to 3).**  
**648 Operations Research (3:3).** (Formerly BUS 648.)  
**649 Topics in Operations Research (3:3).** (Formerly BUS 649.)  
**650 Management Decision-Making under Uncertainty (3:3).** (Formerly BUS 650.)  
**651 Systems Simulation (3:3).** (Formerly BUS 651.)  
**656 The Computer As a Research Instrument (3:3).** (Formerly BUS 656.)

**Instrumental Music Education — See Music.**

# Interdepartmental Studies

## Interdepartmental Concentrations (Majors, Second Majors and Minors)

The Interdepartmental Studies Major, Second Major, or Minor may be designed by:

- The individual student and faculty from the departments involved in the program (e.g. Environmental Studies major; Black Studies minor). Students interested in developing a program should contact Jeutonne P. Brewer, Chairman of Interdepartmental Studies and Assistant Dean of the College of Arts and Sciences, 105 Foust Building.
- Faculty from the various departments involved in the interdisciplinary area (e.g. the concentration in Russian Studies, World Literature, etc., listed below).

Students may choose an Interdepartmental Studies Major, Second Major, or Minor with a concentration in one of the areas listed below:

- Black Studies** (Student-designed minor)  
**Gerontology** (Second major and minor)  
**History and Philosophy of Science** (Major and Minor)  
**International Studies:**

- Area I: "A Global Approach to International Affairs" (Second major and minor).  
 Area II: "Cross-Cultural Understanding" (Second major and minor).  
 Area III: "International Development" (Second major and minor).  
 Area IV: "Regional Studies"  
**Russian Studies** (Major and minor)  
**European Studies** (Second major and minor)  
**African Studies** (Minor only)  
**Asian Studies** (Minor only)  
**Linguistics** (Major and minor)  
**Population Studies** (Minor only)  
**Urban Studies** (Second major and minor)  
**Women's Studies** (Minor only)  
**World Literature** (Second major and minor)

## Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in Western Civilization (6 semester hours) and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

## Black Studies (Student-designed Minor)

Eighteen to 21 hours.

### Committee Members:

- Lee Bernick**, Chairman of Black Studies Program, Department of Political Science.  
**Patricia Bethea**, Office of Dean of Students.  
**Linda Bragg**, Residential College.  
**Yolanda Burwell**, Department of Social Work.  
**William Coleman**, Department of Anthropology.  
**Ronald Crutcher**, School of Music.  
**Barry Hirsch**, Department of Economics.  
**Paul Luebke**, Department of Sociology.  
**Loren Schweninger**, Department of History.  
**Kimberly Nash**, Student Member.

### Rationale and Courses

This area of study is identified in response to expressed wishes and needs of undergraduate students. The committee recognizes several objectives of such a program:

- To signify to the university community that teaching and learning about the history and experience of blacks in American society is an integral part of a university education.
- To enable all undergraduate students, white and black, to learn how blacks have exerted an indelible impact on the American society and to assist black students in learning more about their history and background.
- To add another humanistic dimension to the liberal arts undergraduate experience of students in this university.



Students who wish to propose an Interdepartmental Studies minor in Black Studies should contact the chair of the Black Studies Committee. Members of the committee will advise the student in the selection of courses to constitute the minor. The undergraduate courses listed below focus almost entirely on issues, areas of knowledge, and concerns related to the black experience.

Anthropology 235	Cultures of Africa
Art 413	Sculpture of Tribal Africa
History 301	The Black Experience
History 302	Race and Segregation
English 375	Black Writers in America
Music 214	Jazz Appreciation
Music 344	Afro-American Music
Political Science 391	African Political Systems
Religious Studies 342	Religion and Race: The American Color Line
Residential College	Courses with appropriate content and focus
Sociology 327	Race and Ethnic Relations
Sociology 427	Social Change

Other courses may also be used for the Black Studies minor. These courses may be selected by the student in consultation with the chair of the Black Studies Committee.

## Black Studies-BKS/course

- 100 Blacks in America: A Historical and Cultural Perspective (3:3).** A historical analysis of Afro-American culture. Topics included are West Africa, folk culture, religion, music, drama, film, literature, family and kinship patterns and black consciousness.

### Gerontology (Second Major and Minor)

#### Committee Members:

- Virginia Stephens**, Chairman of Gerontology Program, Department of Social Work.  
**Rebecca Adams**, Department of Sociology.  
**Hilary Apfelstadt**, School of Music.  
**Keith Howell**, Department of Public Health Education.  
**Vira Kivett**, Department of Child Development and Family Relations.  
**Harriet Kupferer**, Department of Anthropology, Emeritus.  
**Thomas Leary**, Department of Economics.  
**Gracia McCabe**, Community Member.  
**Lynn Perrin**, Community Member.  
**Sandra Powers**, School of Education.  
**Marian Solleder**, School of Health, Physical Education, Recreation and Dance.  
**Angela Staab**, Community Member.  
**Rebecca Taylor**, School of Nursing.  
**Herbert Welis**, Department of Psychology.

The Interdepartmental Studies Major with a concentration in Gerontology provides the student an opportunity for comprehensive study in the field of gerontology. As a second major or minor, the program will complement the content of

the first major and provide for systematic study of the social, psychological, biological and cultural perspectives on aging and the impact of the aging population upon the environment and societal institutions.

Students who major or minor in the concentration in gerontology must be advised by a committee member or a designee of the committee. This concentration will prepare students to enter careers in direct service to older people and their families, in program development and the planning and administration of gerontological services. In addition, students will have a foundation which prepares them to pursue graduate studies and participate in research in gerontology.

#### Major Requirements

The Interdepartmental Studies major with a concentration in Gerontology consists of 39-42 hours above the 100 level. Each student in consultation with an adviser from the committee in gerontology will plan a program which must include 15-16 hours from the following core courses:

GRO 301, 302, 501

SOC 318

Practicum 400 or 500 internship of independent research project in a participating department (must be developed in consultation with adviser from the concentration in gerontology)

To complete the major an additional 24 hours is required; the courses are to be chosen from the following electives, with at least 9 hours from Category A and 9 hours from Category B, distributed among 3 departments in each category.

#### Category A

Total content of course must relate to gerontology.

ECO 499, CDF 562, SOC 582, SWK 570, special topic courses in participating departments when total course content relates to gerontology.

#### Category B

Substantial content of this course must focus on gerontology or course content must be deemed by the committee to provide foundation knowledge.

ECO 201, PHI 220, PSC 210, REC 561, REL 322, SWK 550, SOC 211, 339, 461, PSY 505, HEA 369.

#### Minor Requirements

An Interdepartment Minor with a concentration in Gerontology consists of a minimum of 18 hours above the 100 level. Gerontology 301 and 302 are required. At least 6 hours of the remaining 12 hours must be selected from Category A.

## Gerontology-GRO/courses

**301 Perspectives on Aging (3:3).** Examines the field of gerontology and the characteristics of the older population from a variety of perspectives. Guest lecturers will speak on their areas of expertise.

**302 The Context of Aging (3:3).** Examines the aging process in its institutional and social environment. Guest lecturers will speak on their areas of expertise.



- 501 Seminar: Critical Issues of the Aged (3:3).** Intensive review and analysis of the literature and research on issues of aging and the unresolved problems. Pr. 301, 302 or consent of instructor.

## History and Philosophy of Science (Major and Minor)

### Committee Members:

**Kenneth Caneva**, Chairman of History and Philosophy of Science Program, Department of History.

**Jarrett Leplin**, Department of Philosophy.

**John King**, Department of Philosophy.

The History and Philosophy of Science concentration is designed to impart understanding of the historical development of the natural sciences and of the conceptual foundations of the principal assumptions and theories of modern science. Intellectual problems raised by the interpretation of the goals and methods of science generally as well as by particular scientific ideas will be studied. Central topics of this discipline include the historical background and philosophical analysis of concepts used in understanding science, such as "theory," "evidence," "law," "experiment," and "hypothesis"; the history and analysis of the reasoning by which hypothesis and theories are developed and tested; the causes and intellectual consequences of scientific change; and the nature of scientific knowledge.

Inasmuch as the growth of modern science presents the student of human thought and culture with the outstanding example of intellectual progress and success, it is a subject central to the liberal arts. Accordingly, the History and Philosophy of Science provides a strong focus for a general undergraduate liberal arts education and prepares the student to think critically about some of the central assumptions and components of the modern world view. It also prepares the student for more advanced work in philosophy, especially the philosophy of science. Anyone contemplating graduate work in the history of science is advised to pursue the study of science substantially beyond the minimum requirements spelled out below and to begin the study of one or more foreign languages (typically, French or German) as soon as possible. As either a minor or a major, the History and Philosophy of Science can be fruitfully combined with the study of science, traditional history, philosophy, or sociology. In every case, however, it is imperative that students in the program consult with a member of the Committee in order that their course of study be intelligently tailored to their long-term career goals.

### Requirements for the Major In History and Philosophy of Science:

The major in History and Philosophy of Science consists of 36-42 hours above the 100 level distributed as follows:

1. Mathematics 191, 292, 293: Calculus I, II, III.
2. Physics 291, 292: General Physics I, II with Calculus.
3. History 251, 252: History of Science Survey.
4. Philosophy 325: Introduction to the Philosophy of Science, plus either Philosophy 525: Philosophy of Physical Science, or Philosophy 527: Philosophy of Biological Science.

5. History and Philosophy of Science 501: History and Philosophy of Science Seminar.
6. Remaining hours from: History 255: The Structure of Scientific Change: Topics in the History of Science; History 311: Darwin and the Theory of Evolution; Philosophy 211: Introduction to Formal Logic; Philosophy 525: Philosophy of Physical Science; Philosophy 527: Philosophy of Biological Science.

The student may, under special circumstances and with the Committee's approval, replace one or more of the above courses with appropriate courses of his choosing. Any substitutions must be part of a coherent program and will normally be from History, Philosophy, Mathematics, or a Science.

### Requirements for the Minor In History and Philosophy of Science:

The minor in History and Philosophy of Science consists of 18-21 hours above the 100 level distributed as follows:

1. Mathematics 191, 292: Calculus I, II.
2. Physics 101, 102: General Physics I, II, or Physics 291, 292: General Physics I, II with Calculus.
3. Same as (3) above.
4. Same as (4) above.
5. Remaining hours (if any) as in (6) above.

## International Studies

### Committee Members:

**James C. Cooley**, Director of International Studies Program, Department of History.

**William Coleman**, Department of Anthropology.

**Ronald Crutcher**, School of Music.

**Lols Edlinger**, School of Education.

**Mary Floyd**, Department of History.

**Mark Gottsegen**, Department of Art.

**Doryl Jensen**, Department of German and Russian.

**David Kemme**, Department of Economics.

**Jean-Paul Koening**, Department of Romance Languages.

**Donald McCrickard**, Department of Economics.

**Richard Mennen**, Department of Communication and Theatre.

**Billie Oakland**, Department of Clothing and Textiles.

**Charles Tisdale**, Department of English.

**Jean Wall**, Academic Advising.

### Rationale and Course Content

The International Studies Program focuses on issues, areas of investigation, and concerns that lie outside the parameters of traditional academic disciplines. The goals of the program are to enrich and complement departmental offerings and to provide a range of professional skills for students preparing careers in which knowledge of foreign cultures and understanding of global processes is important. Students participating in International Studies with a Major, Second Major or Minor choose one of four areas of concentration: "A Global Approach to International Affairs," "Cross Cultural Understanding," "International Development," or "Regional (area) Studies."



**The program consists of four "Areas of Concentration":**

- 1) "A Global Approach to International Affairs": second major only (in tandem with another existing major), minor available.
2. "Cross-Cultural Understanding": second major only (in tandem with another existing major), minor available.
3. "International Development": second major only (in tandem with another existing major), minor available.
4. Regional Studies:
  - a) Major and minor
    - 1) **Russian Studies**
  - b) Second major only (in tandem with another existing major), and minor.
    - 1) **European Studies**
  - c) Minor only
    - 1) **African Studies**
    - 2) **Asian Studies**

As the title of each "Area of Concentration" implies, the program will focus on the many relationships between peoples, governments, and nations of the modern world.

Two particular features of the International Studies Program consist of Seminars 233 and 400 and the Self-Instructional Language Program.

## International Studies— INS/courses

- 233 International Studies Seminar (3:3).** Interdisciplinary seminar to introduce students to methodology of investigation through library research, interviews and field trips, and to make them aware of global problems and opportunities. Required for majors.
- 350, 351 Self-Instructional Language Program (3, with a maximum of 18).** Working with commercially available tests and tapes, assisted by native speaking drill masters recruited from foreign students resident on the campus and with end of term testing by outside language specialists from universities with nationally recognized language centers, selected students may take two or three years of work in many languages not normally available to them. However, only 6 hours of foreign language (at the intermediate level) may count toward the major or minor (see Major and Minor Concentrations below). SILP languages also satisfy the College foreign language requirement.
- 400a, 400b Seminar in International Studies (3:3), (3:3).** Required for all majors in International Studies Program. Interdisciplinary seminar dealing with contemporary problems in international politics. 400a in junior year; 400b in senior year. Maximum credit 6 hours. Pr. membership in ISP or consent of instructor.

**Requirements**

The student will choose from among available options for the concentration of his choice (major or minor); however, the **explicit approval** of the Director of the International Studies Program is required.

- A. Major Concentration**  
42 semester hours above the 100 level of which a minimum of 21 semester hours must be taken outside the student's major department if this concentration is a second major. (See language requirements.) The 42 semester hours will consist of:
- A) Language Requirements** ..... 6 credit hours  
Intermediate level of one foreign language 203, 204 or LAT 201, 202  
OR  
**Self-Instructional Language Program**  
(4 semesters of same language:  
e.g. INS 350A, 351A Chinese I, 1 year;  
INS 350B, 351B Chinese II, 1 year)
- B) Core** ..... 6 credit hours  
INS 233-1 or 233-2  
INS 400a or 400b
- C) Basic Courses** ..... 24 credit hours
- D) Related Courses** ..... 6 credit hours

- B. Minor Concentration**  
21 semester hours above the 100 level consisting of:
- A) Language Requirements** ..... 6 credit hours  
Same as for MAJOR
- B) INS 233-1 or 233-2**  
OR  
INS 400a or 400b
- C) The student must take FOUR additional courses** within a particular "Area of Concentration." All of these courses must be taken from the list of basic courses in at least **THREE** separate departments outside the department(s) in which the student is majoring.

**Area of Concentration I**

**"A Global Approach to International Affairs"**

A study of interdependence among people, governments and nations of the world as problems of progress or survival bear on the future of the entire planet.

- A) Language Requirements**
- B) Core**
- C) Basic Courses**  
 ATY (3 hours) 212, 345, 348, 385, 547  
 BIO (3 hours) 301, 499  
 ECO (3 hours) 540, 560  
 GEO (3 hours) 303, 322 (Guilford College)  
 HIS (3 hours) 307, 308  
 PSC (3 hours) 240, 340, 341, 343  
 REL (3 hours) 205, 319, 322, 326, 340, 351  
 SOC (3 hours) 327, 339, 533
- D) Related Courses** (from two separate departments).  
 ART 301, 306  
 CHE 320  
 COM 380, 532, 538  
 DCE 201, 202, 215, 342  
 EDU 506  
 GER 315, 316, 319, 320  
 MUS 241  
 PHI 321  
 PHY 334

PSY 347

WMS 450 (with permission of Director of ISP.)

## Area of Concentration II

### "Cross-Cultural Understanding"

A study of the common yet varied human experience through the arts, literature, and the social sciences.

#### A) Language Requirements

#### B) Core

#### C) Basic Courses

ATY (6 hours) 213, 385, 547, 583

ART (3 hours) 301, 306, 313, 413

GEO (3 hours) 201

HIS (3 hours) 307, 308

Literature (3 hours) one course in literature selected with approval of Director of ISP (must be in a foreign language)

MUS (3 hours) 241, 343

SOC (3 hours) 355, 526, 543

#### D) Related Courses (from two separate departments)

CCI 201, 397, 398

COM 340, 530, 534, 582

EDU 506

ENG 331, 548, 557, 582

GER 315, 316, 319, 320

PHI 251, 252

PSC 512, 580

PSY 345, 347

REL 211, 319, 340, 351

## Area of Concentration III

### "International Development"

A study of socio-economics and political change as they affect relationships between nations of the world.

#### A) Language Requirements

#### B) Core

#### C) Basic Courses

ATY (3 hours) 360, 524

ECO (6 hours) 521, 540, 550, 560

GEO (3 hours) 303, 322 (Guilford College)

HIS (3 hours) 307, 308

PSC (3 hours) 250, 260

PSY (3 hours) 361

SOC (3 hours) 211, 427, 543

#### D) Related Courses (from two separate departments)

ART 301

BIO 301

CHE 320

COM 380

CSC 236

PHI 231

PHY 334

REL 340

## Area of Concentration IV

### "Regional Studies"

A study of language, peoples and nations within the four specific regions listed below (Russia, Europe, Africa, Asia):

## Russian Studies (Major and minor)

### Exists as a separate program as well as an Area of Concentration within International Studies.

The Interdepartmental Studies Major with a concentration in Russian Studies provides a solid foundation in Russian language, culture and related areas, and offers early preparation for graduate training and careers in government, law, teaching, journalism, international business and other aspects of public affairs.

#### Committee Members:

**David MacKenzie**, Chairman of Russian Studies Program, Department of History.

**Joachim Baer**, Department of German and Russian.

**Julie Brown**, Department of Sociology.

**David Kemme**, Department of Economics.

#### A) Language Requirements ..... 12 credit hours

Russian: (12 hours)

RUS 203-204, 305, 306

#### B) Core

#### C) Basic Courses ..... 12 credit hours

ECO (3 hours) \*550

HIS (6 hours) \*277, \*278 or 367

PSC (3 hours) \*260

\*Each of these basic courses is required.

#### D) Related Courses (at least two courses from departments other than German/Russian) ..... 12 credit hours

HIS 576, 579, 580

PSC 260, 343, 346, 361

RUS 201, 202, 313, 314, 315, 316, 401, 402, 511

SOC 400

## European Studies (Second major and minor)

A study of contemporary Europe in the light of past and present realities.

#### A) Language Requirements

#### B) Core

#### C) Basic Courses

ATY (3 hours) 258, 411, 501, 502, 583

ART (3 hours) 301, 303, 304, 305, 306, 402, 403, 404,

405, 406, 407, 408, \*410, \*411

GEO (3 hours) 560

HIS (6 hours) 274, 278, 291, 292, 358, \*515, \*566, \*570,

573, 579, 580, 582

PSC (3 hours) \*250, \*260, 333, 343, 346, 361, 550c

World Literature (6 hours). Two courses in literature

(in a language other than English) beyond the

intermediate level. Foreign students may use

English literature and must exclude their own

language.

#### D) Related Courses (from two separate

departments) ..... 6 credit hours

CCI 201, 211, 212, 311, 312, 313, 314

COM 517

ENG 201, 202, 241, 260, 548, 550, 557, 582

MUS 241, 331, 332, 511, 528, 531, 537, 538

PHI \*231, \*251, \*252, 267, 315, 321, 335, 348, 351, 505,

523, 545



REL 324, \*326

SOC 313, 533

\*Most strongly recommended

### African Studies (Minor only)

A study of contemporary Africa in light of past and present realities.

#### A) Language Requirements

#### B) Core

#### C) Basic Courses (to be taken from at least three departments outside the department of the student's major) ..... 12 credit hours

ATY \*235, 501, 502, 583

ART 413

GEO 560

HIS \*228, 301, 401, 402

Literature — African Literature in Translation

MUS 343

PHI \*231, 523, 545

PSC \*391, 550, 445 (North Carolina A and T State University), 446 (North Carolina A and T State University)

REL 351

SOC 327, 526

\*Strongly recommended

### Asian Studies (Minor only)

A study of contemporary Asia in the light of past and present realities.

#### A) Language Requirements

#### B) Core

#### C) Basic Courses (to be taken from at least three departments outside the department of the student's major) ..... 12 credit hours

ATY \*332, 337, 501, 502, 583, 354 (Guilford College)

ART 313, 440 (Guilford College)

CHE 335 (Guilford College)

GEO 560

HIS \*215, \*216, 361, \*381, 384, 386, 515, 584

MUS 343

PHI 259, 203 (Guilford College), 340 (Guilford College), 395 (Guilford College), 396 (Guilford College)

PSC 372, \*373, \*374, 550

REL 211, 351

SOC 327, 526

Speech 300 (Guilford College)

\*Strongly recommended

### Linguistics (Major and Minor)

#### Committee Members:

**William Coleman**, Chairman of Linguistics Program,  
Department of Anthropology.

**Walter Beale**, Department of English.

**Marc Marschark**, Department of Psychology.

**Jane Mitchell**, Department of Romance Languages.

**Frederick Rener**, Department of German and Russian.

**Jacqueline Strong**, Department of Communication and  
Theatre.

**The Interdepartmental Studies Major with a concentration in Linguistics** is designed to provide undergraduates with a background in the formal study of language and its implication for the humanities, social sciences and to some extent the sciences. It includes formal linguistic study as well as the traditional disciplines of rhetoric, philosophy, philology, sociolinguistics, psycholinguistics and nonverbal communication. The program will serve the purposes of general liberal education, preparation for graduate training in several disciplines and careers in teaching, especially in language arts, foreign languages, and communication disorders.

### Major Requirements

The interdepartmental major in linguistics consists of 36-42 hours above the 100 level distributed among at least three departments with no less than 6 hours in each (excluding the foreign language requirement). Of these, 18 hours must be chosen from the following "core" courses:

ATY 385, 387, 585

COM 240

ENG 260, 261, 321

PSY 410

The remaining courses to complete the major are to be chosen from the following electives or from the other courses in the "core" courses.

COM 502, 554

EDU 523

ENG 510, 513, 515

FRE 311

PHI 211, 311, 325, 565

PSY 412

Students may also receive credit toward the major for special problems or topics courses under the following conditions:

1. The student's research project or research paper must be related specifically to the study of language.
2. The topic must be approved by the student's faculty adviser in linguistics.

### Foreign Language Requirement

Interdepartmental majors in linguistics will be required to present 6 hours in a foreign language different from the language used to satisfy the College foreign language requirement. This requirement may be satisfied with a foreign language offered by any department within the College. Six hours of American Sign Language will also satisfy the foreign language requirement for the major.

### Minor Requirements

The interdepartmental minor in linguistics consists of a minimum of 18 hours above the 100 level. Of these, 9 hours must be chosen from the "core" courses. The additional hours may be chosen from any of the courses listed above with a maximum of 6 hours from one department.

### Population Studies (Minor only)

#### Committee Members:

**Gordon Bennett**, Chairman of Population Studies Program,  
Department of Geography.

**Daniel Adame**, Department of Public Health Education



**Donald Jud**, Department of Finance.  
**Paul Lutz**, Department of Biology.  
**David Mitchell**, Department of Sociology.  
**Elizabeth Schiller**, Department of Food, Nutrition and Food Service Management.

The Interdepartmental Studies Minor with a concentration in Population Studies provides a broad-based study of population concepts and problems. It can be taken with any major in the University. At least 18 hours of course work are required.

1. GEO 303, SOC 339; GEO/SOC 522.
2. Nine hours of electives chosen from:
  - BIO 231
  - CDF 212
  - ECO 380, 530, 540
  - FNS 213, 523, 533
  - GEO 322
  - GEO/SOC 491
  - HEA 327 or 334, 360 or 560
  - SOC 343

## Urban Studies (Second Major and Minor)

### Committee Members:

**David Mitchell**, Chairman of Urban Studies Program, Department of Sociology.  
**Charles Hayes**, Department of Geography.  
**Donald Jud**, Department of Finance.  
**Karen Leppel**, Department of Economics.  
**Loren Schweningen**, Department of History.  
**James Svava**, Department of Political Science.

There is an increasing need for citizens, scholars and officials who are prepared to comprehend and cope with the complexity of urban life. Understanding the city as a phenomenon requires the perspective of many disciplines. Analyzing the problems of the city calls for methodological skills and broad training. Policy in the city must respond simultaneously to social, political and economic needs. The Interdepartmental Studies Major with a concentration in Urban Studies provides specialized and interdisciplinary instruction in the concepts and research tools used to understand urban life.

This major will in all cases be a second major combined with a major in one of the departments participating in the program; thus, the student's academic record will indicate a primary major, for example, Geography, and a second major, for example, Interdepartmental Studies: Urban Studies. Students may also, by careful choice of courses in their major, simultaneously pursue a pre-professional program in planning, social work or education.

The program, administered by faculty drawn from the departments of Economics, Geography, History, Political Science and Sociology, will involve 36 hours of approved course work. All students will engage in course work which promotes distinct kinds of learning which are essential to an understanding of, and involvement in, the city. The educational objectives are to provide (1) understanding of basic concepts of urbanism, (2) interdisciplinary perspective, (3) mastery of methodological tools and (4) field experience.

## Major Requirements

36 hours above the 100 level distributed as follows:

1. Concepts of Urbanism:
  - a. Five basic courses required of all students:
    - ECO 527 or 530
    - GEO 302
    - HIS 358
    - PSC 223
    - SOC 343
  - b. Three additional courses in at least two departments chosen from the following (no more than two from any one department):
    - CCI 314
    - ECO 523
    - GEO 202, 301
    - HIS 338
    - PSC 310, 324, 520
    - SOC 326, 543
2. Research Methodology, total of 6 semester hours:
  - a. Statistics — 3 semester hours chosen from the following: STA 351; ECO 350; SOC 314; PSY 310.
  - b. Social Science Methods — 3 semester hours chosen from the following: ECO 552; GEO 322; PSC 301; SOC 318.
3. Practicum: 3 semester hours of field experience or approved independent study chosen from Economics, Geography, History, Political Science, Sociology, Urban Studies Practicum, Independent Studies courses.
4. SOC/GEO 522

## Minor

Fifteen hours listed as part "a" under "Concepts of Urbanism."

## Women's Studies (Minor only)

### Committee Members:

**Jacquelyn White**, Chair of Women's Studies Program, Department of Psychology.  
**Jodi Bilinkoff**, Department of History.  
**Yolanda Burwell**, Department of Social Work.  
**Kenneth Caneva**, Department of History.  
**Susan Canning**, Department of Art.  
**Mary Ellis Gibson**, Department of English.  
**Jean Gordon**, Department of History.  
**Margaret Hunt**, Department of Political Science.  
**Karma Ibsen-Riley**, Department of Communication and Theatre.  
**Harriet Kupferer**, Department of Anthropology, Emeritus.  
**William Markham**, Department of Sociology.  
**Kathryn Moore**, Jackson Library.  
**John Scanzoni**, Department of Child Development and Family Relations.  
**Roy Schantz**, Department of History.  
**Patricia Spakes**, Department of Social Work.  
**Rebecca Taylor**, School of Nursing.  
**Mary Wakeman**, Department of Religious Studies.  
**Judith White**, *ex officio*, Women's Resource Center.  
**Rebecca Craven**, Student member.



**Catherine Seta**, Student member.

**Leigh Walters**, Student member.

#### Requirements:

For the Interdepartmental Studies Minor with a concentration in Women's Studies, choose six courses from those listed below. No more than three courses may be taken in any one discipline. An individual course not listed here may be substituted with the consent of the Committee on Women's Studies.

ATY 550

CDF 502

ENG 331

HIS 213, 332, 359, 531, 532

NUR 330

PSC 335, 336

PSY 346

REL 309

SOC 407, 529

WMS 250, 450

## Women's Studies- WMS/courses

**250** **An Introduction to Women's Studies: The American Woman (3:3).** A multidisciplinary introduction to the study of images, roles and status of women in American history and culture. Special attention will be paid to the developments of sex roles and the social mythology which surrounds them. (SBS).

**450** **Topics, Seminar in Women's Studies (3:3).** An in-depth study of a selected topic or topics in Women's Studies involving directed reading and research. Can also be taken as independent study under the direction of one of the Women's Studies faculty members.

### World Literature (Second major and minor)

#### Committee Members:

**Joachim Baer**, Chairman of World Literature Program,  
Department of German and Russian.

**William Goode**, Department of Romance Languages.

**Kelley Griffith**, Department of English.

**John Douglas Minyard**, Department of Classical Civilization.

**Frederick Rener**, Department of German and Russian.

**Susan Shelmerdine**, Department of Classical Civilization.

**Mark I. Smith-Soto**, Department of Romance Languages.

**Charles Tisdale**, Department of English.

**The Interdepartmental Studies Major with a concentration in World Literature** is motivated by the conviction that literature, in addition to possessing national characteristics, also transcends national boundaries. Literary movements as well as literary genres have had, and continue to have, an international impact. The program focuses on this international and cross-cultural aspect of movements, genres and literary themes, providing students with a deeper and broader understanding of the nature and history of literary art.

The Interdepartmental World Literature Major serves only as a **second major** in combination with any existing major in the College of Arts and Sciences.

#### Major Requirements

30-36 semester hours above the 100 level distributed in categories below. Students may take no more than three courses in one department to fulfill the minimal requirement.

- Three** survey courses in foreign literature from the following:  
CCI 335, 336  
GER 217, 218, 301, 302  
SPA 220, 221
- One** multinational course (period, genre or theme)  
CCI 221, 397, 398  
ENG 201, 202, 241, 331, 582
- Two** courses in literature in a foreign language beyond the intermediate level. Choose from the following:  
GER 215, 216, and all courses at and above 323  
GRK 325, 326, 350, 351, 352, 353, 395, 396, 401, 402, 403, 404, 450, 493, 494  
LAT 301, 302, 303, 326, 331, 333, 342, 395, 396, 401, 402, 450  
RUS 401, 402  
All courses in French and Spanish literature other than those mentioned in requirement 1 above.
- Any **one** course from either group 1, 2, or 3.
- One** course in English or American literature, excluding any course taken to fulfill requirement 2 above.
- Introductory Seminar to World Literature.
- Senior Seminar in World Literature.

#### Minor Requirements

(15-21 semester hours)

- One** reading course in intermediate level foreign language.
- Two** courses in foreign literatures in translation, or in the original, in two national literatures other than courses in the primary major.
- One** multinational course (period, genre or theme).
- Introductory Seminar to World Literature.

## World Literature- WLT/courses

- 301** **Introductory Seminar to World Literature (3:3).** Introduction to the basic concepts of the historical and critical study of literature, in particular as they are found applicable to the comparative study of the literary works and traditions of various nations. Students will also read and analyze important basic works of criticism and literature. (H).
- 401** **Senior Seminar in World Literature (3:3).** Seminar on specific problems, themes or periods of literature, emphasizing international trends and contrasts. Topics vary from year to year. Pr. senior standing or permission of instructor.

## Interdepartmental Minors

1. It is possible to minor in any of the above interdepartmental Majors. The specific requirements for interdepartmental Minors are listed above or are available from the chairmen of the respective programs.
2. An individual student can design an Interdepartmental Studies Minor (e.g. Black Studies) in consultation with the Assistant Dean of the College of Arts and Sciences (105 Foust Building).
3. Some Interdepartmental Studies concentrations were designed by faculty committees as minors only:

### International Studies:

- African Studies
- Asian Studies
- Population Studies
- Women's Studies.

## Interdisciplinary Studies — See Western Civilization.

## Interior Design — See Home Economics.

## Intermediate Education Certification — See Education.

## International Studies — See Interdepartmental Studies.

## Italian — See Romance Languages.

## Junior Year Abroad — See Study Abroad.

## Latin — See Classical Civilization.

## Law — Preprofessional Program

### Advisory Committee

- Dean Fadely**, Chairperson of Advisory Committee,  
Department of Communication and Theatre.
- Randolph Bulgin**, Department of English.
- Richard Harwood**, Career Planning and Placement Center.
- Barry Hirsch**, Department of Economics.
- Charles Hounshell**, Department of Political Science.
- Margaret Hunt**, Department of Political Science.
- Frank Land**, Department of Management.
- Terrance McConnell**, Department of Philosophy.
- E.M. Rallings**, Department of Sociology.
- Loren Schwenger**, Department of History.
- Jacquelyn G. White**, Department of Psychology.

Admittance to law school is primarily achieved through a favorable consideration of a student's quality point ratios, scores on the law school admission test (LSAT) and other materials furnished in an application for admission. Students who plan to attend law school may select their major from any academically respectable field. However, since law schools seek to admit students who can think, speak and write only at

the highest levels of competency, interested students, regardless of their major, should always select courses which engender skills in critical, creative and reflective thinking as well as clear, cogent and concise writing and speaking. In order to attain these vital skills, pre-law students are most strongly advised to take the five core courses which grant college credit in the area of Languages, Reasoning, and Discourse (CLRD). These courses are, in alphabetical order, COM 105, 231; ENG 101, 102; PHI 115. Students interested in pre-law should consult a pre-law adviser from within the student's major field, if possible.

## Linguistics — See Interdepartmental Studies.

## Literature in Translation

For courses in foreign literature taught in English translation, see the following departmental listings: Classical Civilization, English, German and Russian, Romance Languages.

## Management — Department of

(366 Business & Economics Bldg./School of Business and Economics).

**Terry W. Mullins** (1976), Associate Professor and Head/B.A.,  
Raymond College/M.B.A., Ph.D., Houston.

**Yvonne H. Chilcoat** (1983), Instructor/B.A., UNC-G/M.A.,  
Ohio.

**Lorynn A. Cone** (1984), Lecturer/B.A., Mt. Holyoke/J.D.,  
Duke.

**Lindsay R. Davis** (1977), Lecturer/B.A., Davidson  
College/J.D., U.N.C. at Chapel Hill. Part-time.

**Judy H. Johnson** (1981), Lecturer and Director of  
Administrative and Fiscal Affairs/B.S., M.B.A., UNC-G.

**Michael K. Jones** (1984), Lecturer/B.S.C., Louisville/M.Ed.,  
Springfield/Ph.D., Northwestern.

**Thomas O. Jones** (1980), Lecturer/B.S.M.E.,  
Pennsylvania/B.S.B.A., Southwestern Louisiana/M.B.A.,  
Ph.D., George Washington.

**Frank P. Land** (1979), Associate Professor/B.A., J.D.,  
Colorado/M.B.A., Maryland.

**Stephen R. Lucas** (1971), Professor/B.S. (Business  
Administration), B.S. (Distributive Education), M.A., Ph.D.,  
Ohio State.

**Martha A. McEnally** (1980), Associate Professor/B.A.,  
Duke/M.B.A., U.N.C. at Chapel Hill/Ph.D., Texas.

**Benton E. Miles** (1971), Professor/B.S., M.S., Virginia  
Polytechnic Institute and State University/Ph.D., Ohio  
State.

**William E. Moran** (1979), Professor and Chancellor of UNC-G/  
A.B., Princeton/M.B.A., Harvard/Ph.D., Michigan.

**Margaret M. Noteman** (1983), Assistant Professor/B.A., Ohio  
State/J.D., M.B.A., Indiana State.

**Furman Penland** (1984), Lecturer/B.S., Eastern Kentucky/  
M.Ed., Springfield/Ph.D., Heed.

**Thomas A. Petit** (1975), Professor/B.A., California at  
Berkeley/M.B.A., Stanford/Ph.D., California at Berkeley.

**Donald K. Sowers** (1984), Lecturer/B.S., Maryland/M.B.A.,  
Harvard.

**William H. Taylor, Jr.** (1982), Lecturer/B.S., U.N.C. at Chapel  
Hill/M.B.A., East Carolina.

**William L. Tullar** (1973), Associate Professor/B.A.,  
Wesleyan/Ph.D., Rochester.



**E. Cameron Williams** (1982), Assistant Professor/B.S., U.S. Merchant Marine Academy/M.A., Central Michigan/Ph.D., U.N.C. at Chapel Hill.

**Nicholas C. Williamson** (1983), Assistant Professor/B.A., M.B.A., Ph.D., U.N.C. at Chapel Hill.

The Department of Management offers programs of study leading to the Bachelor of Science Degree in Management. Course offerings include the disciplines of management, marketing, merchandising, human resources management and the environment of business. Concentrations are available in Management Policy, Marketing Management, Merchandising Management, and Personnel Management.

The objective of the undergraduate major in management is to provide liberally educated students with a broad exposure to the functional areas of business and a more comprehensive understanding of one of the managerial specialities. All students majoring in management are expected to acquire a strong foundation in English, mathematics (through calculus), and the social and behavioral sciences. Students are required to take a series of courses constituting the common body of knowledge for the School of Business and Economics. Beyond this students may choose an optional concentration in Management Policy, Marketing Management, Merchandising Management, or Personnel Management. Since the successful completion of a concentration requires careful planning, all students should consult with a faculty adviser early in their academic careers at UNC-G.

The faculty of the Department of Management also have instructional responsibilities in the Master of Business Administration (MBA) degree program. Students interested in the MBA program should consult the graduate school catalog, Associate Professor Tony R. Wingler, Director, or James H. Ogburn, Assistant Director.

## MANAGEMENT MAJOR (Bachelor of Science)

Required: Formal admission to the School of Business and Economics, acceptance by the Department of Management and completion of 122 semester hours of work. For a summary of admission requirement see pp. 00-00.

### Admission Requirements

The current minimum grade point average required for admission to the Department of Management is 2.0 (on a 4.0 scale) and is subject to change by faculty action.

### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One course in English composition or exemption: ENG 101.
2. Three courses from Humanities Area (H) to include WCV 101, 102.
3. Two courses from Natural Sciences and Mathematics Area (NSM) to include MAT 191 and three semester hours in one of the following: biology, chemistry, geography, or physics (recommended—BIO 105, CHE 306, GEO 111, or PHY 305.)

4. Two courses from Social and Behavioral Sciences Area (SBS): PSY 221 and SOC 211.

5. Four additional courses: PSC 200 and three courses (outside the School of Business and Economics) from H, NSM, SBS, or elementary foreign language.

### Major Requirements

Students majoring in Management must comply with the conditions outlined in items 1, 2, and 3 below.

1. MGT 310, 312, 320, 330, 491.
2. Students are encouraged to select one of the optional concentrations listed below. If a student does not choose a concentration, he will be considered a "general management" major and must meet the same minimum requirements as those selecting a concentration.

### Optional Concentrations

**The Management Policy Concentration** is the process of producing organizational effectiveness through planning, organizing, staffing, leading, and controlling. Management activities range from supervising small groups to establishing strategy for a multinational corporation.

The following courses are required:

MGT 314, 514, 517.

**The Marketing Management Concentration** is concerned with developing and pricing the products, picking distribution channels, and promoting the products to consumers. Those concentrating in marketing management may find jobs in sales, sales management, advertising, retailing, and marketing management.

Any three of the following courses are required:

MGT 306, 421, 422, 524.

**The Merchandising Management Concentration** is intended for students interested in employment in retailing or related business operations at the supervisory or management levels.

The following courses are required:

MGT 306, 507, 508, 518, 550.

**The Personnel Management Concentration** focuses on the knowledge and skills needed by the professional human resources manager. The topics studied include job analysis, recruiting, screening, selection, training and development, performance appraisal, job evaluation, and salary administration.

The following courses are required:

MGT 517, 535

and one of the following:

MGT 314, ECO 370.

Transfer credit for students transferring from accredited two-year colleges will be given for management courses at the 300 level or above only by examination.

### Related Area Requirements

1. ACC 201, 202.
2. ECO 201, 202, 311, 350.
3. ISM 234, 360.
4. FIN 340.



5. One approved elective in the School of Business and Economics.
6. ENG 102, COM 341.

### Electives

Electives sufficient to complete total semester hours required for degree.

Minors in management are not permitted.

## Management-MGT/ courses

### Courses for Undergraduates

- 306 Introduction to Retailing (3:3).** Introductory course in the fundamentals of store organization, management and merchandising. (Formerly BIS 306.)
- 310 Principles of Management (3:3).** Management and administration as a process of coordination for accomplishing social, organizational and individual goals. Effective decision-making, planning, organizing, leadership and control. The social role of organizations and management. Pr. junior standing, PSY 221, SOC 211. (Formerly BUS 310.)
- 312 Human Behavior in Business Organizations (3:3).** Businesses as a generic class of organizations. Relation of individual worker and manager to organization and its impact upon them. Formal and informal groups. Management from behavioral point of view. Stability and change within business organizations. Pr. 310, junior standing. (SBS). (Formerly BUS 312.)
- 314 Industrial and Organizational Psychology (3:3).** An introduction to industrial and organizational psychology with special emphasis on employee motivation, selection, training and organizational determinants of employee behavior. Pr. junior standing, PSY 221 or 223. Same as PSY 314. (Formerly BUS 314.)
- 320 Principles of Marketing (3:3).** General survey including marketing decision-making and models, buyer behavior, channels of distribution and marketing research. Topics treated from a managerial viewpoint. Pr. junior standing, ECO 202. (Formerly BUS 320.)
- 330 The Legal Environment of Business (3:3).** A survey of the legal, political and ethical environment in which business decisions are made. Anti-trust, taxation, labor, and consumer and creditor laws are included. Federal and state laws are covered. Pr. junior standing. (Formerly BUS 330.)
- 331 Legal Aspects of Business Transactions (3:3).** Intensive study of contracts, sales, negotiable instruments, secured transactions, banking and other laws affecting the sale and distribution of goods and financing of such transactions. Pr. 330, junior standing. (Formerly BUS 331.)
- 332 Legal Aspects of Management (3:3).** Legal relationships of partners; partners and third parties, corporations, directors and stockholders; principals and agents; debtors and creditors; trustees and beneficiaries; administrators and estate property; and other fiduciaries. Pr. 330, or permission of instructor and junior standing. (Formerly BUS 332.)
- 421 Promotion Management (3:3).** Discusses the promotion process and decision criteria for making promotion management decisions. Emphasis on the behavioral and communicative aspects of advertising, personal sales and other promotional tools from a management decision-making viewpoint. Pr. 320, consent of instructor, and admission to School of Business & Economics or other professional program approved by the School. (Formerly BUS 421.)
- 422 Fundamentals of Marketing Research (3:3).** Marketing information systems, sampling theory, experimental design, psychological scaling techniques, longitudinal analysis. Particular attention given to assumption structure underlying each technique. Case studies and problem approach. Student develops programs of action on basis of marketing research results. Pr. 320, ECO 350, and admission to School of Business & Economics or other professional program approved by the School. (Formerly BUS 422.)
- 491 Business Policy and Strategy (3:3).** Capstone case course in top management policy and strategy determination. Students learn to integrate various business functions and to develop skills and judgment in solving problems of the organization as a total system in relation to its environment. Pr. 310, 320, 330, FIN 340 and ISM 360, senior standing, and admission to School of Business & Economics or other professional program approved by the School. (Formerly BUS 491.)
- 493, 494 Honors Work (3:3), (3:3).** Pr. admission to School of Business & Economics or other professional program approved by the School. (Formerly BUS 493, 494.)
- 499 Problems in Management (3:3).** Independent study, research and class discussion covering a topic or group of related topics of current interest in theory or policy of the business enterprise. Topics vary from semester to semester. Open to senior majors or others by consent of instructor. (Formerly BUS 499.)

### Courses for Advanced Undergraduates and Graduates

- 507 Merchandise Analysis and the Sales Process (3:3).** Study of special problems involved in merchandising with emphasis on the supervision of the sales process. Pr. 306 or departmental approval. (Formerly BIS 507.)
- 508 Operating Problems in Retailing (3:3).** Examination and evaluation of policies and practices in retailing, with emphasis on advertising and its economic significance. Pr. 306 or departmental approval. (Formerly BIS 508.)



- 514 Organizational Communication (3:3).** Theories of interpersonal and oral communication in organizations. Emphasis upon the use of oral communication to accomplish organizational objectives. Same as COM 514. Pr. admission to School of Business & Economics or other professional program approved by the School. (Formerly BUS 416.)
- 517 Personnel Administration (3:3).** Policies and procedures used in obtaining, developing and maintaining an efficient work force: recruiting, selection, training, placement, promotion, transfer and salary administration. Case studies and problem approach. Pr. admission to School of Business & Economics or other professional program approved by the School. (Formerly BUS 517.)
- 518 Advanced Merchandising (3:3).** Merchandising policies, buying, stock planning and control and merchandise pricing in modern retail stores. Pr. 306 or departmental approval. (Formerly BIS 518.)
- 524 Consumer Behavior (3:3).** Psychological and socioeconomic factors affecting consumer motivation, behavior and buying decisions. Emphasis on current research on, and theory about, behavior of consumers as individuals and as members of socioeconomic groups. Pr. PSY 221 or 223 or MGT 312 or consent of instructor. Same as PSY 524. (Formerly BUS 524.)
- 530 The Environment of Business (3:3).** Covers major legal, political and ethical concepts. These include anti-trust, labor and consumer laws; the decision processes of legislative bodies and administrative agencies; and ethical questions involved in business decisions. Pr. admission to MBA program or other masters degree programs with consent of Director of the MBA program. (Formerly BUS 530.)
- 535 Personnel Psychology (3:3).** Applications of psychological methods and techniques to personnel work in business and industry. Focuses primarily on employee selection and training. Pr. PSY 221 or 223 or consent of instructor. Same as PSY 535. (Formerly BUS 535.)
- 550 Directed Business Practice (1-4:1:3-12).** Planned work experience approved in advance by instructor. Coordinating conferences and seminars. Pr. permission of instructor. Pr. admission to School of Business & Economics or other professional program approved by the School. Same as BME 550.
- 613 Directed Studies (3).**
- 620 Marketing Management (3:3).**
- 621 Management of the Sales Force (3:3).**
- 622 Marketing Research (3:3).**
- 623 Industrial Marketing, Sales and Procurement (3:3).**
- 640 Retail Personnel Problems (3:3).** (Formerly BIS 640.)
- 661 Business in the International Economy (3:3).**
- 675 Issues and Problems in Industrial Relations (3:3).**
- 689 Seminar in Leadership Development (6).**
- 693 Business Policy (3:3).**
- 695 Seminar and Research (3).**
- 699 Thesis (3).**
- 800 Graduate Registration.**
- 801 Graduate Registration.**

**Management Information Systems — See Information Systems and Operations Management.**

**Management Policy — See Management.**

**Marketing Education — See Business and Marketing Education.**

**Marketing Management — See Management.**

## Mathematics — Department of

(383 Business & Economics Bldg./College of Arts and Sciences)

**Richard B. Sher** (1974), Professor and Head of Department/B.S., Michigan Technological/M.S., Ph.D., Utah.

**Kenneth A. Byrd** (1969), Assistant Professor/B.S., Duke/Ph.D., N.C. State.

**Barbara C. Carter** (1981), Lecturer/B.A., M.Ed., UNC-G.

**Eddy H. Cheng** (1982), Lecturer and Director of Administrative Computer Center/B.S., National Cheng Kung University/M.A., Duke/Ph.D., N.C. State.

**Shu-Chen Diana Cheng** (1985), Lecturer/B.A., Tunghai/M.S., Southern Mississippi. Part-time, second semester 1984-85.

**Charles A. Church Jr.** (1967), Associate Professor/B.S., Virginia Polytechnic Institute and State University/Ph.D., Duke.

**Alice Youngblood Gentry** (1980), Lecturer/B.A., Berry College/M.A., Georgia. Part-time.

**Karl Ray Gentry** (1965), Associate Professor/B.S., Wake Forest/M.A., Ph.D., Georgia.

**Patricia Anne Griffin** (1968), Instructor/B.A., M.A., UNC-G.

**David G. Herr** (1973), Associate Professor/B.E.E., M.S., Georgia Institute of Technology/Ph.D., U.N.C. at Chapel Hill.

**Theodore W. Hildebrandt** (1976), Professor and Director of

## Courses for Graduates

The courses listed below with the exception of 640 were formerly designated as **BUS**:

- 600 Organization Theory and Management Processes (3:3).**
- 604 Organizational Behavior and Management (3:3).**
- 605 Seminar in Management Organization Theory (3:3).**
- 606 Motivation and Compensation Systems (3:3).**
- 608 Organizational Development and Change (3:3).**
- 610 Business Research Methods (3:3).**



Academic Computer Center/A.B., A.M., Michigan/S.M., Massachusetts Institute of Technology/Ph.D., Michigan.

**Ned C. Ingram Jr.** (1982), Lecturer/B.S., Appalachian State/M.A., UNC-G.

**Martha A. Kelth** (1978), Lecturer/B.A., M.A., UNC-G. Part-time.

**Linda S. Kilgariff** (1970), Instructor/B.A., M.A., UNC-G.

**Joanne A. Koehler** (1980), Lecturer/B.A., UNC-G/M.A., U.N.C. at Chapel Hill. Part-time.

**Andrew F. Long Jr.** (1967), Associate Professor/B.S.E.E., M.S., West Virginia/Ph.D., Duke.

**William P. Love** (1970), Assistant Professor/B.S., Ph.D., Florida State.

**David A. Ludwig** (1984), Assistant Professor/B.A., Mt. Union College/M.S., Ph.D., Iowa State.

**Sallie Keller McNulty** (1983), Assistant Professor/B.A., M.A., South Florida/Ph.D., Iowa State.

**Louise Anna McNutt** (1984), Lecturer/B.A., California State/M.S., Virginia Commonwealth.

**Eldon Eugene Posey** (1964), Professor/B.S., East Tennessee State/M.A., Ph.D., Tennessee.

**Grayson S. Sallez** (1981), Lecturer/B.A., M.A., UNC-G.

**Shirley Watson Sanders** (1984), Lecturer/B.A., M.Ed., UNC-G.

**Tripti Sen** (1984), Lecturer/B.Sc., Calcutta/B.S., Texas Tech/M.A., N.C. A & T State. Part-time.

**Barbara Smith-Thomas** (1982), Assistant Professor/B.A., Reed College/M.S., Carnegie-Mellon/M.S., Georgia Institute of Technology/Ph.D., Carnegie-Mellon.

**Robert L. Snider** (1984), Lecturer/B.A., Austin College/M.A., Michigan. Part-time, first semester 1984-85.

**Marlon M. Steed** (1982), Lecturer/B.A., Russell Sage College/M.S., SUNY at Cortland. Part-time.

**Robert Tlildetzke** (1984), Lecturer/B.S., M.S., Wisconsin-Milwaukee. Part-time, first semester 1984-85.

**Jerry E. Vaughan** (1973), Professor/B.S., Davidson College/Ph.D., Duke.

**Theresa P. Vaughan** (1973), Lecturer/B.A., Antioch College/M.A., American/Ph.D., Duke.

**A. Gilles Warrack** (1984), Assistant Professor/B.S., M.S., California State Polytechnic/Ph.D., Iowa.

The Department of Mathematics offers undergraduate programs leading to the B.A. or B.S. degrees and graduate programs leading to the M.A. or M.Ed. degrees. The Department also offers a Certificate of Advanced Study (sixth year program).

Mathematics is an excellent major for the student whose immediate objective is to acquire a good liberal arts education. To give a professional direction to the student's liberal arts education, the mathematics major may elect a concentration in computer science or seek secondary teacher certification. The two factors that should most influence a student in making such a choice are his academic talents and his professional interests. Students seeking secondary teacher certification should see the Teacher Education Chapter. The Department of Mathematics can also help the student design a plan of study emphasizing special interests, such as statistics, applied mathematics or data processing.

There are many opportunities for the undergraduate mathematics major in industry, government, business and secondary school teaching. With graduate work in mathematics the individual can take advantage of the demands for people capable of mathematical research and

problem-solving in industry, government and academic institutions and of teaching at the college and university level. The requirements for the mathematics major are flexible enough to allow preparation for any of these goals.

The departmental offices, classrooms, and study areas are located in the Business and Economics Building. Computing facilities include: batch and conversational remote job entry terminals connected to IBM 370/165 and HP-2000 computers; in-house DEC VAX 11/780 computer with hardcopy and CRT terminals.

## Mathematics Major and Concentrations (Bachelor of Arts and Bachelor of Science)

Required: 122 semester hours.

The Mathematics Major is discussed in the preceding paragraphs.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in Western Civilization (6 semester hours) and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

### Major Requirements

The mathematics major must complete the mathematics core courses and additional courses as specified below, and must maintain a grade point average of at least 2.0 in mathematics courses.

**NOTE:** For purposes of identification, the courses offered by the Department of Mathematics are listed under three headings: Computer Science, Mathematics and Statistics. For meeting requirements, these are all treated as mathematics courses.

### Mathematics Core Courses

MAT 191, 292, 293, 311, 340, and two 500-level mathematics courses other than 505, 593 and 594, STA 571.

### Requirements for the Bachelor of Arts

The mathematics core courses and at least nine additional hours in mathematics above the 100-level, not to include MAT 220, 301, 302, 303, 304, 420, 505, 593, STA 571.

### Requirements for the Bachelor of Science

The mathematics core courses and at least 15 additional hours in mathematics above the 100-level, not to include MAT 220, 301, 302, 303, 304, 420, 505, 593, 594, STA 571.

### Computer Science Concentration

Students majoring in mathematics may elect to concentrate in



computer science. The required courses for this concentration are CSC 137, 236, 261, 336, 543, 544, 553 and two additional courses at the 300-level or above chosen with the advice and consent of the Department of Mathematics.

### Secondary Teacher Certification

Students seeking secondary teacher certification must satisfy the requirements for the B.A. or B.S. degree and must include in their program: MAT 420 and 505; two courses chosen from CSC 342, STA 343, 352, 551; three courses chosen from MAT 513, 514, 515, 516, 517, 518, 519, 520, 521, 595, 596.

### Suggested Plans of Study

In consultation with an adviser, the student may design a plan of study emphasizing special interests. Some examples are:

#### Statistics

1. Either STA 343, 352, 573, 574; or 343, 551, 552, 573, 574.
2. Two courses selected from CSC 342, 543, 544; MAT 390, 394, 540, 547; STA 572, 575.

#### Mathematics/Computer Applications

1. STA 343 and 352; or 551 and 552.
2. ACC 201, 202.
3. CSC 137, ISM 300.
4. Recommended: CSC 261, 336, 543, 544; ISM 310.
5. Minimum of two additional courses selected from the School of Business and Economics.

#### Applied Mathematics

Six courses selected from CSC 543, 544; MAT 345, 390, 394, 540, 545, 546, 549; a course in computer programming; a course in statistics.

### Mathematics Minor

The minor in mathematics consists of at least 15 hours of work in the department, to be arranged in consultation with an adviser and with 12 semester hours in courses above grade 1. All minor programs must be approved by the Department of Mathematics.

### Computer Science Minor

The minor in computer science consists of at least 15 hours of work, chosen as follows:

1. CSC 137 or equivalent.
2. CSC 236, 261, 336.
3. One additional approved computer science course at the 300 level or above. In special cases, certain computer science related courses may be substituted for this requirement with the consent of the Mathematics Department.

All minor programs must be approved by the Department of Mathematics. The minor in computer science is designed for non-mathematics majors.



## Computer Science-CSC/courses

### Courses for Undergraduates

- 136 Introduction to Computer Concepts (3:3).** Introduction to the computer and general problem-solving techniques; emphasis on the logical processes involved in analyzing and planning computer-based solutions to a variety of problems; this treatment is independent of a computer programming language. Examples of computer applications and their present and future impact on society; computer hardware components and their internal operations; no mathematical or computing prerequisite. May not be taken for credit by students who have taken or plan to take ISM (formerly BIS) 234. (NSM).
- 137 Introduction to Computer Programming (3:3).** Introductory level treatment of a high-level computer programming language. Emphasis on analysis of problems for computer solution drawn from various disciplines, problem solving techniques, and programming style. May not be taken for credit by students who have taken or plan to take ISM 235. Pr. 3 units of high school mathematics or MAT 100.
- 236 Problem Solving and the Computer (3:3).** Continuation of 137. Techniques of problem solving and algorithm design emphasizing topdown design, stepwise refinement, and modularization. Advanced programming techniques including files, text processing, pointers, variant records, and recursion. Advanced syntax features of the high level language taught in 137. Pr. grade of at least C in 137.
- 237 Programming Language Laboratory (1).** Syntax of a language, including variables, assignments, loops, conditionals, arrays, subroutines, I/O and advanced topics. The language covered will be announced at preregistration. May be taken twice for credit. Pr. 137 and 236 or equivalent.
- 251 Introduction to Discrete Mathematics (3).** Mathematical reasoning techniques and concepts in computer science. Topics include proof techniques, logic, Boolean circuit design, sets, relations, functions, modular arithmetic, number bases, graphs, trees, counting, recurrence relations, discrete probability. Pr. 137 and MAT 119 or proficiency in college algebra.
- 261 Computer Organization I/Introduction to Assembly Language (3).** Architecture: run time environments, interrupt driven, polling, I/O environments, memory management. Assembly language: instruction types, registers, addressing data types, arithmetic, instruction format, opcodes, pseudo opcodes, assembler directives, system calls, macros. Pr. grade of at least C in 236.
- 336 Structure and Management of Data (3:3).** Introduction to data structures and data management methods including access theory and classical processing schemes. Pr. grade of at least C in 236. (NSM).

# Mathematics-MAT/courses

## Courses for Undergraduates

- 339 Survey of Programming Languages (3).** Comparative study of syntactic and semantic features of programming languages, including Pascal, Fortran, Algol, Lisp, APL, Snobol, PL/I. Topics include procedure calls and execution environments, parameter passing, storage allocation, recursion. Pr. 236.
- 342 Linear and Convex Programming (3:3).** The problem of linear programming, properties of a solution to the linear programming problem, generating extreme-point solutions, the Simplex computational procedure, minimum feasible solution, artificial-basis technique, slack variables, dual problems, perturbation techniques, cycling, parametric objective and dual problems, sensitivity analysis, decomposition algorithm, digital-computer codes, transportation problems, production-scheduling, inventory-control, interindustry and diet problems. Pr. MAT 340. (NSM).

## Courses for Advanced Undergraduates and Graduates

- 543 Numerical Analysis and Computing (3:3).** Number systems and errors, solutions of non-linear and linear systems, eigenvalue problems, interpolation and approximation, numerical differentiation and integration, solution of differential equations. Pr. 137, MAT 293, 340.
- 544 Numerical Analysis and Computing (3:3).** Continuation of 543 with special topics in numerical analysis, emphasis on applied mathematics. Pr. 543.
- 553 Mathematical Models in Computing (3:3).** Introduction to mathematical models in computer science including computability, automata theory, switching theory, formal languages, graph theory and coding and information theory. Pr. computer programming experience and MAT 311.
- 561 Computer Organization II/Introduction to Systems (3:3).** Hardware and software components of computer systems, their organization and operations. Topics: comparative instruction set architectures, microprogramming, memory management, processor management, I/O, interrupts, and compilation and interpretation of languages. Pr. 261.
- 565 Microcomputers and Assembly Language Programming (3:3).** Architecture; CPU, memory, registers, interrupts, polling, peripherals, ready lines, basic in/out environment. Assembly language: arithmetic algorithm design, subroutines, straight line program design, stack manipulation, timing, size and speed considerations. Pr. 261 or equivalent.
- 593, 594 Directed Study In Computer Science (1 to 3), (1 to 3).**

## Courses for Graduates

- 643, 644 Numerical Mathematics (3:3), (3:3).**

- 100 Intermediate Algebra (3:3).** Real numbers and their properties, linear equations, systems of equations, polynomials and functions, fractional expressions, exponents and roots, quadratic equations, graphing, inequalities. Credit does not apply toward graduation.
- 112 Contemporary Topics In Mathematics (3:3).** Selected topics from graph theory, matrix algebra and statistics are used to illustrate the nature of mathematics. Designed primarily for the liberal arts student. (NSM), (CMAT).
- 119 College Algebra (3:3).** Review of elementary algebra, equations, inequalities, relations, functions, transformations, graphing, complex numbers, polynomial and rational functions. (NSM), (CMAT).
- 121 Analytic Trigonometry (3:3).** Review of relations, trigonometric (circular) functions and identities, exponential and logarithmic functions, solutions of triangles, equations of second degree and their graphs. Pr. 119 or proficiency in college algebra. (NSM), (CMAT).
- 191 Calculus I (3:3).** Limits and introductory differential calculus of functions of one variable. Pr. 4 units of high school mathematics including advanced algebra and trigonometry or a grade of at least C in 119. (NSM), (CMAT).
- 220 Plane and Solid Analytic Geometry (3:3).** Study of conic sections, including rotation of axes, polar coordinates, graphing, quadric surfaces, and vectors. Pr. 121. (NSM).
- 292 Calculus II (3:3).** Introductory integral calculus of functions of one variable, calculus of the elementary transcendental functions, techniques of integration. Pr. knowledge of trigonometry and a grade of at least C in 191. (NSM).
- 293 Calculus III (3:3).** Indeterminate forms, Taylor's formula, infinite series, calculus of functions of several variables, multiple integration. Pr. grade of at least C in 292. (NSM).
- 301, 302 Number Systems (3:3), (3:3).** Intuitive development of real number system with emphasis on arithmetic properties, elementary set theory, basic concepts of algebra and informal geometry. Junior or senior elective for students who have not taken 119 or equivalent. 301 is a prerequisite for 302. Designed primarily for prospective elementary teachers, and may not be taken for credit by mathematics majors.
- 303 Topics in Mathematics (3:3).** An extensive study of decimals — rational, irrational and real numbers: selected topics from number theory; clock and modular arithmetic. Concrete models will be used to illustrate many of the mathematical concepts studied. Pr. 301, 302 or consent of department.
- 304 Introduction to the Foundations of Geometry (3:3).** An introductory course primarily for prospective elementary teachers. It is designed to develop an understanding of the fundamental ideas of geometry.



Includes both an intuitive and deductive study of points, lines, planes, curves, surfaces, congruences, parallelism, similarity and linear, angular, area and volume measures. Pr. 301, 302 or consent of department.

- 311, 312 Modern Algebra I, II (3:3), (3:3).** Algebraic structures. Introduction to theory of groups, rings, integral domains and fields, including basic properties of polynomials. Elementary approach to vector spaces and linear systems, determinants, matrices and linear transformations. Pr. grade of at least C in 292. (NSM).
- 340 Matrix Theory (3:3).** Matrices, equivalence relations for square matrices, determinants, finite dimensional vector spaces, linear transformations. Pr. grade of at least C in 292. (NSM).
- 345 Vector and Tensor Analysis (3:3).** Vectors, scalar fields, vector fields. The dot and cross product. Vector differentiation and integration. Gradient, divergence and curl. Green's theorem, divergence theorem, Stokes' theorem. Curvilinear coordinates. Tensor Analysis: Physical laws. Coordinate transformations. Contravariant and covariant vectors. Contravariant, covariant and mixed tensors. Tensor fields. Symmetric and skew-symmetric tensors. Conjugate or reciprocal tensors. Transformation laws of Christoffel's symbols. Tensor form of gradient, divergence and curl. Pr. 293 and 390. (NSM).
- 390 Ordinary Differential Equations (3:3).** Pr. 292. (NSM).
- 394 Advanced Calculus IV (3:3).** Application of partial derivative, infinite series, multiple integrals, line and surface integrals, integral theorems. Pr. 293 and 390. (NSM).
- 420 Foundations of Geometry (3:3).** Primarily for secondary school teachers. Block course. Pr. 311 and 340.
- 493, 494 Honors Work (3:3), (3:3).**

## Courses for Advanced Undergraduates and Graduates

- 505 Fundamental Investigations in Advanced Mathematics (4:4).** The content will consist of (a) Topics from Modern Algebra, (b) Introduction to Set Theory and Transfinite Arithmetic, (c) Mathematical Foundations and Non-Euclidean Geometry, and (d) Recent Research and Developments in Mathematics Education.
- 513 Historical Development of Mathematics (3:3).** Study of the historical development of mathematics, not a history of the persons involved in this development. Pr. 292 and 311.
- 514 Theory of Numbers (3:3).** Introduction to multiplicative and adaptive number theory. Divisibility, prime number, congruences, linear and nonlinear Diophantine equations (including Pell's equation), quadratic residues, number-theoretic functions, representations as sums and continued fractions. Pr. 292 and 311.
- 515 Mathematical Logic (3:3).** Formal languages, recursion, compactness and effectiveness. First-order languages, truth and models. Soundness and completeness theorems. Models of theories. Pr. 292 and 311.
- 516 Polynomial Rings (3:3).** Rings, integral domains, fields division algorithm, factorization theorems, zeros of polynomials, greatest common divisor, relations between the zeros and the coefficients of a polynomial, formal derivatives, prime polynomials, Euclidean rings, the fundamental theorem of algebra. Pr. 292 and 311.
- 517 Theory of Groups (3:3).** Homomorphism, subgroups, generators, sequences of groups, normal subgroups, conjugate subgroups, complete groups, invariant subgroups, composition series, direct products, free groups, defining relations, the ring of endomorphisms of an abelian group, the fundamental theory of abelian groups, decomposable groups, torsion-free groups. Pr. 292 and 311.
- 518 Set Theory and Transfinite Arithmetic (3:3).** Existence in theory of sets, extensionality, powerset, axiom of infinity, axiom of choice, duality, relations, functions, cartesian products, sequences of sets, ordered sets, power of sets, similarity, ordinal numbers, cardinal numbers. Pr. 292 and 311.
- 519 Intuitive Concepts in Topology (3:3).** Traversability of networks, planar networks, four color problem, topological equivalence, classification of surfaces, simply connected sets, spheres with handles, Jordan curve theorem, transformations, metric spaces, topological spaces, compact sets. Pr. 292 and 311.
- 520 Non-Euclidean Geometry (3:3).** The fifth postulate, hyperbolic geometries, elliptic geometries, consistency of non-Euclidean geometries, models for geometries, elements of inversion. Pr. 292 and 311.
- 521 Projective Geometry (3:3).** Transformation groups and projective, affine and metric geometries of the line, plane and space. Homogeneous coordinates, principles of duality, involutions, cross-ratio, collineations, fixed points, conics, ideal and imaginary elements, models and Euclidean specializations. Pr. 292 and 311.
- 540 Complex Functions with Applications (3:3).** Analytic functions, the geometry of elementary functions, integrals. Laurent's series, residues and poles, conformal mapping. Schwarz-Christoffel transformations, analytic continuation. Riemann surfaces. Pr. 293.
- 545 Differential Equations and Orthogonal Systems (3:3).** Singular points of linear second-order differential equations. The methods of Frobenius. Bessel, ber and bei, Legendre and the hypergeometric functions together with the related differential equations. The rotating string, rotating shaft, buckling of columns under axial loads. Orthogonality of characteristic functions. Expansion of functions in series of orthogonal functions. Fourier, Fourier-Bessel and Legendre series. Pr. 293 and 390.
- 546 Partial Differential Equations with Applications (3:3).** Linear and quasi-linear equations of the first and second order. Initial-value problems. Characteristics



of linear first and second order equations. Singular curves on integral surfaces. Heat flow. Temperature distributions on plates, solid spheres, parallelepipeds, etc. Fluid flow over and around a surface. Heat flow in a rod. A vibrating membrane. A pulsating cylinder. Laplace's equation, Poisson's equations, wave equation, equation of heat conduction and the telegraph equation. Pr. 545.

- 547, 548 Combinatorial Analysis (3:3), (3:3).** Permutations combinations, generation functions, principle of inclusion and exclusion distributions, partitions, compositions, trees, networks, permutations with restricted position. Pr. 292 and 311. 547 pr. to 548.
- 549 Topics In Applied Mathematics (3:3).** Infinite products. Asymptotic series. Gamma and beta functions. Hypergeometric functions. Bessel functions. Generating functions. Orthogonal polynomials, Legendre, Hermite, Laguerre and Jacobi polynomials. Elliptic functions. Theta functions. Sheffer classifications. Symbolic relations among polynomials. Recurrence relations. Pr. 293 and 390.
- 591 Modern Algebra (3:3).** Set theory: sets, mappings, integers. Group theory: normal subgroups, quotient groups, permutation groups, Sylow theorems. Ring theory: homomorphisms, ideals, quotient rings, integral domains, fields, Euclidean rings, polynomial rings. Pr. 311.
- 592 Abstract Algebra (3:3).** Vector spaces: linear independence, bases, dual spaces, inner product spaces, modules. Fields: extensions, transcendental elements, roots of polynomials, Euclidean constructions. Galois theory, solvability by radicals. Linear transformations: characteristic roots, canonical forms of matrices, trace and transpose, Hermitian, unitary and normal transformations. Pr. 591 or both 311 and 312 with consent of instructor.
- 593, 594 Directed Study In Mathematics (1 to 3), (1 to 3).**
- 595, 596 Mathematical Analysis (3:3), (3:3).** Real number axioms, metric spaces, sequences, series, continuity, differentiation, the Reimann-Stieltjes integral. Pr. 293 or consent of department.

### Courses for Graduates

- 613 Development of Mathematics and Logic (3:3).**
- 614 Advanced Number Theory (3:3).**
- 615 Symbolic Logic (3:3).**
- 616 Polynomials over General Rings (3:3).**
- 617 Algebraic Theory of Semigroups (3:3).**
- 618 Transfinite Ordinal and Cardinal Numbers (3:3).**
- 619 Conceptual Topology (3:3).**
- 620 A Survey of Geometry (3:3).**
- 621 Advanced Linear Geometry (3:3).**
- 645, 646 Approximation Theory (3:3), (3:3).**
- 647, 648 Matrix Theory with Applications (3:3), (3:3).**
- 649 Topics In Operations Research (3:3).**

- 650 Management Decision-Making under Uncertainty (3:3).**
- 688, 689 Mathematical Logic and Axiomatic Set Theory (3:3), (3:3).**
- 690 Mathematics Seminar (2:2).**
- 691, 692 Modern Abstract Algebra (3:3), (3:3).**
- 693, 694 Complex Analysis (3:3), (3:3).**
- 695, 696 Real Analysis (3:3), (3:3).**
- 697, 698 General Topology (3:3), (3:3).**
- 699 Thesis (4 to 6).**
- 800 Graduate Registration.**
- 801 Graduate Registration.**

## Statistics-STA/courses

### Courses for Undergraduates

- 108 Elementary Introduction to Probability and Statistics (3:3).** Finite sample spaces, discrete probability, random variables, expected value, binomial distribution, independent trials, random samples, point estimation, hypothesis testing and confidence intervals. May not be taken for credit by students who have taken ECO 350 or are concurrently enrolled in ECO 350. (NSM), (CMAT).
- 343 Probability (3:3).** Basic probability theory; combinatorial probability, conditional probability and independent events; univariate and multivariate probability distribution functions and their properties. Pr. MAT 292. (NSM).
- 352 Statistical Inference (3:3).** Descriptive and inferential statistics. Emphasis on sampling distributions; theory of estimation and tests of hypotheses, linear hypothesis theory, regression, correlation and analysis of variance. Pr. 343 or consent of instructor.
- 371 Fundamental Concepts of Statistics (3:3).** Survey of basic descriptive and inferential statistics for undergraduates from any discipline. Graphical and descriptive techniques. Measures of central tendency, variability, correlation. Estimation. Normal tests, t-tests, analysis of variance. Emphasis on statistical literacy and interpretation. Pr. 108 or 343. (NSM).

### Courses for Advanced Undergraduates and Graduates

- 551, 552 Introduction to Probability and Mathematical Statistics (3:3), (3:3).** Events and probabilities (sample spaces), dependent and independent events, random variables and probability distribution, discrete and continuous distributions, expectation, moment generating functions, point estimation, multivariate normal distribution, testing hypotheses, confidence intervals, correlation and regression, small sample



distributions. Pr. 343 and MAT 293 or consent of instructor.

- 555 **Statistical Computing I (3:3).** Seminumerical and numerical methods used in statistical computing applications, such as stability of data, probability function approximation, and random number generation. Pr. 343 and CSC 137 or permission of instructor.
- 556 **Statistical Computing II (3:3).** Continuation of 555. Orthogonalization methods in linear algebra, numerical methods for linear regression and classification models. Pr. 352, 555, MAT 340 or permission of instructor.
- 571 **Statistical Methods for Research I (3:3).** Introduction to statistical concepts. Basic probability, random variables, the binomial, normal and student's t distributions, hypothesis tests, confidence intervals, chi-square tests, introduction to regression and analysis of variance.
- 572 **Statistical Methods for Research II (3:3).** Statistical methodology in research and use of statistical software. Regression, confidence intervals, hypothesis testing, design and analysis of experiments, one and two factor analysis of variance, multiple comparisons, hypothesis tests. Pr. 571 or consent of department.
- 573 **Theory of Linear Regression (3:3).** Linear regression, least squares, inference, hypothesis testing, matrix approach to multiple regression. Estimation, Gauss-Markov Theorem, confidence bounds, model testing, analysis of residuals, polynomial regression, indicator variables. Pr. 352 and MAT 340, or consent of department.
- 574 **Theory of the Analysis of Variance (3:3).** Multivariate normal distribution, one-way analysis of variance, balanced and unbalanced two-way analysis of variance, empty cells, multiple comparisons, special designs, selected topics from random effects models. Pr. 573 or consent of department.
- 575 **Nonparametric Statistics (3:3).** Introduction to nonparametric statistical methods for the analysis of qualitative and rank data. Binomial test, sign test, tests based on ranks, nonparametric analysis of variance, nonparametric correlation and measures of association. Pr. one semester of statistics and consent of instructor.
- 593, 594 **Directed Study in Statistics (1 to 3), (1 to 3).**

### Courses for Graduates

- 641 **Mathematical Statistics (3:3).**
- 651, 652 **Mathematical Statistics (3:3), (3:3).**
- 661 **Advanced Statistics in Behavioral Science Research I (3:3).**
- 661L **Advanced Statistics Laboratory (1).**
- 662 **Advanced Statistics in Behavioral Science Research II (3:3).**
- 666 **Special Problems in Applied Statistics (1:1).**

- 671 **Multivariate Analysis (3:3).**
- 672 **Statistical Issues in the Use of Statistical Computer Packages (3:3).**
- 673 **Statistical Linear Methods I (3:3).**
- 674 **Statistical Linear Methods II (3:3).**
- 676 **Sample Survey Methods (3:3).**
- 677 **Advanced Topics in Data Analysis (3:3).**

### Medical Technology Program

**Adviser: Sarah Sands,** Associate Professor, Department of Biology, 310 Life Sciences Bldg.

UNC-G students interested in medical technology have two programs of study from which to choose:

1. A four-year program leading to the Bachelor of Science in Medical Technology.
2. A five-year program which includes receipt of a bachelor's degree with a major in either biology or chemistry and the completion of an additional 12 months of study and work in a school of medical technology which has been approved by the Committee on Allied Health Education and Accreditation (CAHEA).

Because the recommended courses of study for both programs are essentially the same during the freshman year, students do not have to make a choice of programs until the end of the freshman year.

In either the four or five year program, students should complete the following courses during their freshman year or during summer session: BIO 101, 102, 283 and CHE 111, 111L, 114, 114L.

#### B.S.M.T.: Four-Year Program

UNC-G through the College of Arts and Sciences offers a Bachelor of Science in Medical Technology (B.S.M.T.) in conjunction with the following clinical schools: Moses H. Cone Memorial Hospital, Greensboro; Forsyth Memorial Hospital, Winston-Salem; North Carolina Baptist Hospital-Bowman Gray School of Medicine, Winston-Salem; Mercy Hospital, Charlotte; Charlotte Memorial Hospital, Charlotte.

Students pursuing this degree program take their first three years of work at UNC-G and then complete 12 months at one of the affiliate Schools of Medical Technology. The B.S.M.T. is awarded only after completion of the fourth year of study at one of the five affiliate clinical schools. Students earning the degree are eligible for state and/or national certification, registration and/or licensure.

Participation in and completion of the three-year UNC-G program does not guarantee acceptance in the 12-month medical technology course at one of the affiliate schools. Students should apply for admission to an affiliate school early in their junior year at UNC-G.

A recommended outline for the four-year program leading to the B.S.M.T. follows:

### MEDICAL TECHNOLOGY (Bachelor of Science in Medical Technology)

Required: 124-149½ semester hours.

Three years at UNC-G: 94 semester hours. 12 months in the School of Medical Technology at either Moses H. Cone Memorial Hospital, Forsyth Memorial Hospital, Baptist Hospital-Bowman Gray School of Medicine, Mercy Hospital, Charlotte Memorial Hospital.

**Three-Year UNC-G Curriculum Liberal Education Requirements**

(See Curriculum Chapter for full explanation of courses meeting each area requirement.)

1. Language, Reasoning and Discourse, 6 s.h.
2. Foreign Language (can be satisfied by completing 6 s.h. at the appropriate level to be determined on the basis of high school foreign language background), 6-8 s.h.
3. Mathematics, 3 s.h.
4. Western Civilization Core Course, 6 s.h.
5. Humanities, 6-9 s.h.\*
6. Natural Sciences, 9-10 s.h.
7. Social and Behavioral Science, 6-9 s.h.\*

\*A reduction of 3 hours in **one** of these categories.

**Major Requirements**

Required:

1. BIO 101, 102, 277, 283, 383, 581, 582.
2. CHE 111, 111L, 114, 114L, 351, 352, 354.
3. College level mathematics (usually 121 or 191 or 292).
4. PHY 305 or 101 and 102 or 291 and 292.

**Related Area Recommended Courses:**

1. BIO 372, 535, 538, 545, 583, 584, 586, 592.
2. CHE 331, 333.

**Electives**

Electives sufficient to complete total semester hours required for degree. Especially recommended are courses in education, management, statistics and computer programming.

**Note:**

The B.S.M.T. program must include these minimum requirements: 16 semester hours in approved biology courses including a course in microbiology and immunology; 16 semester hours in chemistry including organic chemistry; and 3 semester hours in college level mathematics.

**Fourth-Year (12 month) Affiliate School Curriculum**

The number of semester credit hours earned from the affiliate clinical schools which are applied toward a Bachelor of Science degree in Medical Technology at UNC-G ranges from 30 to 55½ hours.

The hours credits are earned from the following areas:

- Microbiology (Bacteriology, Parasitology, Virology, Serology, Mycology)
- Biochemistry and Isotopes
- Clinical Microscopy
- Hematology and Immunology
- Blood Bank

- Cytology and Cytogenetics
- Basic Electronics, Instrumentation, Computer Technology
- Ethics and Laboratory Management
- Laboratory Seminars, Medical Mortality Conferences and Abnormal Laboratory Rounds.

**Five-Year Program**

Students electing the five-year program earn a Bachelor of Arts with a major in either biology or chemistry or a Bachelor of Science in chemistry from UNC-G. After graduation from UNC-G they enroll in a school of medical technology approved by the Committee on Allied Health Education and Accreditation (CAHEA) for their fifth year of study.

Students electing the five-year program must take the same subjects listed as major requirements for the B.S.M.T. program. They must consult with the head of the department in which they are majoring or their faculty adviser in selecting other courses necessary to fulfill the B.A. or B.S. degree requirements.

Eligibility for certification, registration or licensure does not come until the student completes the fifth year (12 months) of work and study in a CAHEA approved school of medical technology.

**Medicine, Dentistry and Veterinary Medicine — Preprofessional Programs**

**Advisory Committee:**

**Robert E. Cannon**, Chairman of Advisory Committee and Associate Professor, Department of Biology.

**Rachel H. Allred**, Assistant Professor, School of Nursing.

**C. Bob Clark**, Professor, Department of Physics.

**David B. Knight**, Associate Professor, Department of Chemistry.

**Edward McCrady III**, Associate Professor, Department of Biology.

**Walter L. Salinger**, Associate Professor, Department of Psychology.

**Jayne A. Ackerman**, Associate Physician, Student Health Center.

**Students should contact a member of this committee for assistance in planning their program of study.**

The specific admission requirements vary slightly among the various schools and programs. For specific information students should write directly to the individual schools for catalogs or consult the library. Other sources of information are current volumes of **Medical School Admission Requirements and Admission Requirements of American Dental Schools.**

Medical schools generally require 2 semesters of English; 2 semesters of general biology (BIO 101, 102); 2 semesters of general chemistry with laboratory (CHE 111, 111L, 114, 114L); 2 semesters of organic chemistry with laboratory (CHE 351, 352, 354); 2 semesters of physics (PHY 101, 102 or 291, 292). A few schools (i.e., Duke) also require mathematics through the Calculus (MAT 191, 292), and many recommend some background in advanced mathematics.

Other courses which are often recommended include



Vertebrate Morphogenesis (BIO 353), Mammalian Physiology (BIO 277), Biochemistry (BIO 535), Genetics (BIO 592), Quantitative Analysis (CHE 331, 333), Physical Chemistry (CHE 506, 508, or 461, 462, 463, 464).

Dental school preparatory course requirements are usually very much like those for medical school. Some schools do, however, require Quantitative Analysis (CHE 331, 333).

The list of required courses for veterinary schools is usually considerably more extensive than that for medical or dental schools. In addition to specifying more courses in mathematics, chemistry and biology, these programs typically require two or more courses in animal science. Very often work experience with a veterinarian is required. Students interested in veterinary school should make contact with the school and with the advisory committee at an early stage of their undergraduate career.

The preprofessional programs do not constitute a major but only a core of courses which must be completed before admission to the professional schools. They can be successfully incorporated into almost any major. It has been shown for the case of medical schools that the choice of major does not significantly affect the student's probability of admission. Students should give consideration to any major which they find interesting and in which they feel they can do well. Nearly all students accepted to medical, dental and veterinary schools have completed a bachelor's degree.

The achievement of outstanding academic credentials should not be accomplished at the cost of totally sacrificing extracurricular activities. Most professional programs prefer students who have participated in non-academic activities and actively pursued a range of interests.

In addition to the core of preparatory courses, virtually all professional schools require some form of standardized test prior to consideration of a student's admission application. These tests are usually taken in the spring before application is made. Medical schools require the Medical College Admission Test (MCAT), dental schools the Dental Admission Test (DAT) and veterinary schools the Veterinary Aptitude Test (VAT).

Applications to professional schools are usually made a year before expected enrollment, usually between July 1 and November 1. Early application is strongly recommended. The American Medical College Application Service (AMCAS) is the agent for many medical schools, and the American Association of Dental Schools Application Service (AADSAS) is the agent for many dental schools. Application materials are available from the committee. Veterinary schools and medical and dental schools not subscribing to one of the application services must usually be contacted individually.

### Merchandising (Clothing — Fashion)

— See Home Economics.

### Merchandising Management — See Management.

### Middle Grades Education —

See Education.

## Music — School of

(107 Brown Music Bldg.)

**Arthur R. Tollefson** (1984), Professor and Dean of School/A.B., M.A., D.M.A., Stanford.

**Hilary J. Apfelstadt** (1983), Assistant Professor/Mus.B., University of Toronto/M.S., Illinois/Ph.D., Wisconsin.

**Barbara B. Bair** (1973), Associate Professor/B.S., Ohio State/M.Ed., UNC-G.

**Eddie C. Bass** (1968), Associate Professor/B.A., M.M., Ph.D., U.N.C. at Chapel Hill.

**Frederick A. Beck** (1980), Assistant Professor/B.S., Vermont/M.M., D.M.A., Eastman School of Music.

**Gregory Carroll** (1981), Assistant Professor/B.A., St. John's/M.A., Ph.D., Iowa.

**William Carroll** (1984), Lecturer/B.M., Millsaps/M.M., M.S.M., Southern Methodist.

**Neill M. Clegg** (1983), Lecturer/B.M., M.M., UNC-G.

**Richard Garner Cox** (1960), Professor/B.A., M.A., U.N.C. at Chapel Hill/Ph.D., Northwestern/Diploma, Conservatoire national de la musique, Paris, France.

**Michael D. Craddock** (1980), Assistant Professor/B.M., M.M.E., D.M.A., North Texas State.

**Ronald A. Crutcher** (1979), Associate Professor/B.A., B.M., Miami/M.M.A., D.M.A., Yale/Certificate, University of Bonn/Diploma, State Academy of Music, Frankfurt, West Germany.

**Robert Arthur Darnell** (1949), Associate Professor/B.M., Colorado/M.M., Texas/Certificate, Ecoles des Beaux-Arts, Fontainebleau, France.

**Joseph DiPiazza** (1974), Associate Professor/B.M., DePaul/M.M., D.M.A., Wisconsin.

**Kathryn Frances Eskey** (1966), Associate Professor/B.M., UNC-G/M.M., New England Conservatory/A.Mus.D., Michigan.

**Peter Paul Fuchs** (1976), Visiting Lecturer/Diploma, Austrian State. Part-time.

**Raymond John Gariglio** (1966), Professor/B.M., Clarinet; B.M., Theory; B.M., Composition; American Conservatory of Music/M.M., Northwestern.

**Aubrey S. Garlington Jr.** (1977), Professor/B.M., Baylor/M.A., Chicago/Ph.D., Illinois.

**Barbara Ferrell Hill** (1975), Associate Professor/B.A., Rochester/B.M., M.M., Eastman School of Music/D.M.A., Colorado.

**Arthur Byron Hunkins** (1965), Associate Professor/B.A., Oberlin College/M.F.A., Ohio/D.M.A., Michigan.

**A. Christlne Isley** (1983), Lecturer/B.M., M.M., UNC-G. Part-time.

**George Anthony Klorpes** (1965), Professor/B.M., M.M., Peabody Conservatory/D.M.A., Boston.

**Arvid J. Knutsen** (1977), Associate Professor/B.M., M.M., D.M., Northwestern.

**Kathy Levy** (1984), Lecturer/B.M., Eastman. Part-time.

**David G. Lewis** (1974), Lecturer/B.M., UNC-G/M.M., New England Conservatory of Music. Part-time.

**John R. Locke** (1982), Assistant Professor/B.M., M.M., West Virginia/Ed.D., Illinois.

**Charles A. Lynam** (1964), Professor/B.A., Elon College/M.A., New York.

**Frank L. McCarty** (1976), Associate Professor/A.B., San Diego State College/M.M., Southern California/Ph.D., California at San Diego.

**Cort A. McClaren** (1983), Instructor/B.M.E., M.M.E., Wichita.



- Eleanor F. McCrickard** (1976), Associate Professor/B.A., B.M., Birmingham-Southern College/M.M., Michigan/Ph.D., U.N.C. at Chapel Hill.
- William W. McIver** (1970), Professor/B.A., B.M., Oberlin College/M.M., Illinois/D.M.A., West Virginia.
- Ellen Markus** (1981), Assistant Professor/B.A., California at Berkeley/M.M., D.M.A., Eastman School of Music.
- Carol Marsh** (1978), Associate Professor/B.A., Stanford/M.Phil., Ph.D., City University of New York.
- Jack Francis Masarle** (1972), Assistant Professor/B.M., Juilliard School of Music/M.M., Bowling Green State.
- Melanle Mattson** (1981), Lecturer/B.F.A., Minnesota/M.M., New England Conservatory of Music. Part-time.
- John R. Melton** (1983), Lecturer/B.M., Stetson/M.M., Indiana/D.M.A., Iowa.
- Inga Borgstrom Morgan** (1946), Professor/B.M., M.M., Eastman School of Music.
- David H. Moskovitz** (1967), Professor/B.M., M.M., Illinois/D.M.A., Iowa.
- Sally Peck** (1984), Lecturer/Private study with Phillip Burton, William Primrose. Part-time.
- Lynn Ellen Peters** (1972), Lecturer/B.Music Education, M.M., Indiana. Part-time.
- Ellen Poindexter** (1973), Instructor/B.M., Oberlin Conservatory of Music/M.M., New England Conservatory of Music. Part-time.
- James C. Prodan** (1979), Associate Professor/B.S., Ohio State/M.M., Catholic University of America/D.M.A., Ohio State.
- Sharon S. Ratteree** (1983), Lecturer/B.M., M.M., UNC-G. Part-time.
- James W. Sherbon** (1975), Associate Professor/B.M.E., M.S., Emporia State/Ph.D., Kansas.
- Paul B. Stewart** (1970), Assistant Professor/B.M.E., B.M., Indiana/M.M., Illinois.
- Phyllis M. Tektonldis** (1978), Assistant Professor/B.M., M.M., Eastman School of Music.
- Walter L. Wehner** (1969), Professor/B.M., M.M.E., Wichita State/Professional Diploma, Columbia/Ed.D., Kansas.
- J. Kent Williams** (1970), Assistant Professor/B.M.E., M.M., Ph.D., Indiana.
- Richard Wursten** (1985), Adjunct Associate Professor/B.S., Utah State/M.M., M.L.S., Illinois/Ph.D., Wisconsin. Second semester 1984-85.

The School of Music is a full member of the National Association of Schools of Music. The requirements for entrance and graduation as set forth in this catalog are in accordance with the published regulations of the National Association of Schools of Music.

Programs of study are designed to help students perfect their performance skills and develop a broad knowledge of music theory, literature and interpretation. Students may select one of several programs, depending upon personal preference and career goals. For instance, some students may wish to prepare for a career as a teacher of music in the schools, in private studios, or as music directors in churches. Others will plan to continue their musical education through graduate study in preparation for professional performance, composition, conducting, or college teaching.

The differences between the various degree programs are slight, since all music students share a common purpose: to become thinking and feeling musicians, rather than narrow specialists. Course sequences have consequently been

planned to allow ample time for selecting the specific degree program, after the student has experienced a period of concentrated study in close association with other musicians, students and faculty members.

All music degree programs require four years of study. The School of Music requires all prospective music majors to audition with members of the music faculty for acceptance into the School of Music and for approval of the major or principal area for study in applied music. The audition is also required for students seeking a minor in music.

**The required auditions should be arranged in advance through the School of Music.** Taped auditions are acceptable if distance prohibits a personal audition. Composition majors should be prepared to submit scores or recordings of completed compositions.

Students who earn a Bachelor of Music degree will spend approximately two-thirds of their time in music study, the remainder in the study of other areas of knowledge. Those who earn the B.A. in Music will spend approximately one-half of their time in music study.

**Exceptions to prescribed degree programs must have written consent of the Division Chairman and approval of the Dean of the School of Music.**

#### Aspects of Music Study

**Applied Music.** Throughout the four years of undergraduate enrollment, the music student will study in one or more areas of applied music: piano, organ, voice, guitar, band or orchestral instruments or composition. This study will include private instruction in the principal or major applied subject. It will also include some group instruction, so that each student will have the advantage of observing and to some extent participating in the instruction of other students. Group instruction is also arranged for secondary applied study (instruments or voice outside the principal or major area).

Requirements in applied music are defined in terms of proficiency level, rather than credit hours only. The level of study for each semester is determined by faculty committees, in auditions which are referred to as "jury examinations." The specific requirements for these examinations are provided by the faculty in each area of applied study and serve as the syllabus for lessons.

**Performance Activities.** In addition to their study in applied music, music students will participate in one or more of the major performance organizations in their area each semester. Each year advanced students may apply for positions as vocalists and instrumentalists in the performances of opera and musical comedy, which the School of Music presents in cooperation with the Department of Communication and Theatre. Also for the advanced students, there are opportunities for positions in the Greensboro Symphony Orchestra and other semi-professional ensembles; for positions as church organists, vocal soloists and directors; and for memberships in orchestras hired locally for touring events appearing in the community.

**Music Literature and Theory.** In addition to core requirements, students are given ample opportunity when upperclassmen to pursue studies in music history, literature and theory. Such studies enable each student to have a better understanding as well as a deeper appreciation of music experienced both as performer and as listener in the concert hall.



**Community Opportunities.** As students in a university located in a major urban area of the state, music majors will have numerous opportunities to attend concerts sponsored by agencies in the community as well as by UNC-G. In a typical year these events will include concerts by touring, community and student symphonic and chamber orchestras, concert bands, jazz ensembles and choral organizations; outstanding solo artists in recital, concerto, or oratorio performances; and chamber concerts presented by professional string quartets, brass quintets, woodwind quintets and other ensembles. A very important feature of these programs is the frequent scheduling of a UNC-G "residency" of two or three days. During a "residency" students are given an opportunity to hear the artist in informal discussions, open rehearsals or critique sessions.

**Faculty.** The music faculty includes experienced artists/teachers who provide inspiration and example through their solo and ensemble performances or as conductors, composers or scholars, and through their close association with music students throughout their university study.

**Facilities.** The School of Music occupies two major buildings in UNC-G's Fine Arts Complex. These, in combination with other buildings on the campus, provide large and small auditoriums, choral and instrumental rehearsal halls and more than forty practice rooms. The music listening center, located in the Brown (Music) Building, houses a large collection of recordings and scores and is open to students throughout the week.

Many students will find special interests and educational value in the Moog Synthesizer and other equipment in the Electronic Studio. Also of special interest are the following: Electronic pianos — pianos used for keyboard instruction and, by means of prerecorded tapes, for aural training. The Birdie H. Holloway Music Education Laboratory — a laboratory which houses reference material, television and sound equipment, projectors and other media and the various teaching instruments required for music instruction in the lower schools.

Students in instrumental areas, although they are encouraged to own the best possible instruments for their personal use, have access to the school's large inventory of orchestral and keyboard instruments.

**Applied Music**

**Music Majors** are enrolled each semester in a combination of private and group instruction in the major or principal instrument for two or three credit hours. Secondary applied study, or applied study by non-majors, grants one credit. Study in secondary instruments or voice will consist of group instruction and will be assigned in accordance with the requirements of the student's degree program. Course number and credit hours will be determined by the applied faculty. Due to inherent schedule problems, late registration in applied music cannot be accepted.

Music minors and other students who are not music majors may also enroll for study in applied music subject to the availability of space. Instruction will be in classes or small groups, sometimes combined with individual instruction. Advance approval must be obtained from the School of Music to assure instructor time and to determine the appropriate course level.

Non-credit and audit registration in applied music are not

permitted. Students enrolled for part-time study will not be assigned to instruction in applied music unless they are also carrying a minimum of two three-credit courses appropriate to the degree program for the undergraduate or one three-credit course for the graduate student.

Courses in introductory music appreciation, Afro-American music, jazz appreciation, 20th century music, etc., are available for the non-music major. Such courses may be taken either to satisfy degree requirements or as electives. The interested and qualified student may, with consent of the instructor, pursue advanced study in upper division music history and literature courses at the 500 level as well. (See pertinent course descriptions).

Practice requirements are prescribed by the credit hour. See Expenses Chapter for applied music fees.

Credit	Course Number
1-3 .....	151-451
1-2 .....	152-452
1-3 .....	551, 651, 751
1-2 .....	552, 652

NOTE: At the undergraduate level 151-451 is assigned to students classified as majors, principals and minors; 152-452 is assigned to non-audition students classified as secondary and non-major students. MUS 551, 552, 651, 652, 751 are graduate level only.

**MUSIC MAJOR (General) and MUSIC HISTORY MAJOR (Bachelor of Arts)**

The **B.A./Music Major** provides a somewhat flexible combination of professional training and general studies.

**Music Major (General)**

Required: 122 semester hours.

**Liberal Education Requirements**

(See Curriculum Chapter for full explanation of courses meeting each area requirement.)

1. Language, Reasoning and Discourse, ENG 101, 3 s.h.
2. Humanities, 24 s.h.: Fine Arts, 3 s.h.: Literature, 3 s.h.: Foundations of Inquiry, 3 s.h.: Foreign Language through Intermediate level, 6 s.h.: Second Course in LRD, PHI 115, 3 s.h.; Western Civilization Core Course, 6 s.h.
3. Natural Science and Mathematics, 13 s.h.: Physical Science, 3-7 s.h.\*; Life Science, 7-3 s.h.\*; Mathematics, 3 s.h.
4. Social and Behavioral Sciences, 9 s.h.: One course each from three different departments.

\*One course must include laboratory.

**Major Requirements**

46 semester hours in music with 32 hours above the 100 level.

1. Theory: MUS 101, 102, 105, 106, 201, 202, 205, 206, 301, 15 s.h.
2. History and Literature: MUS 331, 332, 333, 9 s.h.
3. Large performance organization: 5 s.h.



4. Class Piano (through 134 or proficiency): 4 s.h.
5. Applied Music (at least 2 hours to be earned at 351 level): 10 s.h.
6. Music Elective: 500-level History/Literature, Theory or Pedagogy, 3 s.h.
7. MUS 90, 91 (see course description).

#### Related Area Requirements

No specific courses required.

#### Electives

Electives (27 hours) to complete 122 semester hours required for degree.

#### Music History Major

Required: 126 semester hours.

#### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One course in English composition or exemption.
2. Three courses other than music, from Humanities Area (H).
3. Two courses from Natural Sciences & Mathematics Area (NSM).
4. Two courses from Social & Behavioral Sciences Area (SBS).
5. Four additional courses, other than music, from any one, all or combination of the three areas above or in an elementary foreign language.

#### Major Requirements

29-45 semester hours in music above the 100 level.

1. MUS 101, 102, 105, 106, 201, 202, 205, 206, 301, 331, 332, 333.
2. MUS 131, 132, 133, 134 or substitutions if exempt.
3. Principal applied music: 10 semester hours (through the 251 level).
4. MUS 507.
5. Music literature courses at the 500 level: five courses to be selected from 511, 521, 527, 528, 529, 530, 531, 532, 533, 534, 537, 538. (Note: to include six hours of 497c culminating in a senior thesis).
6. Performance organization (ensemble): 8 semester hours. Note: Collegium Musicum is a major performance ensemble for music history majors and must be taken for 6 semester hours.
7. MUS 90, 91 (see course descriptions).

#### Related Area Requirements

No specific courses required.

#### Electives

Electives sufficient to complete 126 semester hours required for degree.

## APPLIED PERFORMANCE MAJOR, APPLIED PERFORMANCE MAJOR: JAZZ STUDIES, and COMPOSITION MAJOR (Bachelor of Music)

Required: 128 semester hours.

The Applied Performance Major provides a four-year concentration in one area of performance, either voice or an instrument.

The Applied Performance Major: Jazz Studies provides a four-year concentration in one area of performance, with emphasis on jazz.

The Composition Major provides special training in composition, together with substantial theoretical preparation. Students will be expected to demonstrate proficiency in at least one performance area for acceptance; further study in applied music will be advised according to individual needs.

#### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

Free electives for majors in the School of Music total 11 semester hours.

Note: FRE 101, 102 and GER 101-102 are required for voice concentration.

#### Major and Related Area Requirements

##### Music Core Courses (common to all music majors)

1. Theory: MUS 101, 102, 105, 106, 201, 202, 205, 206, 301, 15 semester hours.
2. Music History: MUS 331, 332, 333, 9 semester hours.
3. Applied Music: 12 semester hours.  
Major area: must achieve 3 semester hours at 451.
4. Large Ensemble: 7 semester hours.  
Keyboard majors must divide semester hours—7 under core plus 1 under major area—equally between the accompanying course and large ensemble.  
Jazz majors are required to enroll in jazz ensemble, which fulfills large ensemble requirement for those in Jazz Studies program.  
New Music Ensemble may be substituted for large ensemble required for composition majors.
5. MUS 90, 91 (see course description).

#### Applied Performance Major

1. Major Area: Applied Music, 12 semester hours (core requirement: 12 s.h.) Senior recital required.  
Secondary Applied: 2 semester hours  
Performance, composition, and advanced conducting will satisfy requirements in secondary applied.  
Large Ensemble: 1 semester hour (core requirement: 7 s.h.)
2. Supportive courses:  
Conducting: 1 semester hour  
History/Literature; Theory: 9 semester hours  
Two areas must be represented

**Guitar students**

Class Piano: 2 semester hours  
 Small Ensemble: 2 semester hours  
 Music Electives: 9 semester hours

**Orchestral instruments students**

Class Piano: 2 semester hours  
 Small Ensemble: 2 semester hours  
 Pedagogy (string, woodwind, brass, or percussion): 3 semester hours  
 Music Electives: 6 semester hours

**Organ students**

Small Ensemble: 2 semester hours  
 Music Electives: 11 semester hours

**Piano students**

Small Ensemble: 2 semester hours  
 Pedagogy: 3 semester hours  
 Music Electives: 8 semester hours

**Voice students**

Class Piano: 2 semester hours  
 Diction: 4 semester hours  
 Music Electives: 7 semester hours

Note: Students placed at the beginning level of Class Piano may need additional hours to complete proficiency.

**Applied Performance Major: Jazz Studies**

1. Major Area: Applied Music, 12 semester hours (core requirement: 12 s.h.) Jazz or jazz/classical recital required.

**Secondary Applied: 2 semester hours**

Performance, composition, and advanced conducting will satisfy requirements in secondary applied.

Large Ensemble (jazz): 1 semester hour (core requirement: 7 s.h.)

2. Supportive courses:

Conducting: 1 semester hour  
 Class Piano (not required of keyboard principals): 2 semester hours  
 Music Electives: 5 semester hours

Note: Students placed at the beginning level of Class Piano may need additional hours to complete proficiency.

3. Jazz Studies:

Jazz History: 3 semester hours  
 Jazz Improvisation I, II: 6 semester hours  
 Jazz Arranging I, II: 6 semester hours

**Composition Major**

1. Major Area: Composition: 2 semester hours (core requirement: 12 s.h.) Senior recital required.  
 Principal Applied Performance Area: 8 s.h., 351 level must be achieved.  
 Large Ensemble: 1 semester hour (core requirement: 7 s.h.)  
 Small Ensemble: 2 semester hours

2. Supportive courses:

Conducting (basic and advanced): 3 semester hours  
 Class Piano: 2 semester hours  
 Music 203, 350, 507, 509, 566, 14 semester hours  
 Music Electives: 6 semester hours

Note: Students placed at the beginning level of Class Piano may need additional hours to complete proficiency.

## GENERAL MUSIC EDUCATION MAJOR and INSTRUMENTAL MUSIC EDUCATION MAJOR (Bachelor of Music)

Required: 132 semester hours.

A Music Education Major provides preparation for positions as choral director or as teacher of general music (principal applied area, usually voice, piano or organ) or for positions as instrumental director (principal applied area in orchestral or band instruments) in secondary schools.

**Liberal Education Requirements**

(See Curriculum Chapter for full explanation.)

Free electives for majors in the School of Music total 11 semester hours.

Note: FRE 101, 102 or GER 101-102 are required for voice principals.

Where appropriate, teacher certification course requirements may be selected to fulfill liberal education requirements.

**Major and Related Area Requirements****Music Core Courses (common to all music majors)**

1. Theory: MUS 101, 102, 105, 106, 201, 202, 205, 206, 301, 15 semester hours.
2. Music History: MUS 331, 332, 333, 9 semester hours.
3. Applied Music: 12 semester hours  
 Major area: must achieve 2 semester hours at 351.
4. Large Ensemble: 7 semester hours.
5. MUS 90, 91 (see course description).

**General Music Education Major**

1. Major Area:  
 MUS 367A (Choral), 464: 5 semester hours  
 Seminar for Student Teachers: 1 semester hour  
 Introduction to Instrumental Methods: 2 semester hours  
 Conducting (basic and advanced): 3 semester hours

2. Supportive courses:

**Guitar students**

Class Piano: 2 semester hours  
 Diction: 2 semester hours  
 Class Voice: 2 semester hours  
 Secondary Piano: 2 semester hours  
 Music Elective: 1 semester hour

**Keyboard students**

Diction: 2 semester hours  
 Class Voice: 2 semester hours  
 Secondary Voice: 2 semester hours  
 Music Electives: 3 semester hours

**Voice students**

Diction: 3 semester hours  
 Class Piano: 2 semester hours  
 Secondary Piano: 2 semester hours  
 Music Electives: 2 semester hours

Note: Students placed at the beginning level of Class Piano may need additional hours to complete proficiency.

**Instrumental Music Education Major**

1. Major Area:  
MUS 367B (Instrumental), 467: 5 semester hours  
Seminar for Student Teachers: 1 semester hour  
Introduction to Choral Methods: 2 semester hours  
Conducting (basic and advanced): 3 semester hours
2. Supportive courses:  
Guitar and Keyboard students  
Class Piano\*: 2 semester hours  
Instrumental Methods: 6 semester hours  
A. MUS 263, 264, 265, 266  
B. Select two from the following: MUS 363, 364, 365, 366

\*(Keyboard students will substitute two hours of music electives for Class Piano).

**Instrumental students**

- Class Piano: 2 semester hours  
Instrumental Methods: 6 semester hours
- A. Select three from the following (outside the major area): MUS 263, 264, 265, 266
  - B. Select one from the following (in the major area): MUS 363, 364, 365, 366
  - C. Select two from the following: MUS 363, 364, 365, 366 (String majors should select one of the above and 1 semester hour of applied string secondary.)

Note: Students placed at the beginning level of Class Piano may need additional hours to complete proficiency.

Music Elective 1 credit hour

**Teacher Certification Requirements**

(See Teacher Education Chapter for full explanation.)

1. One course in speech or clearance.
2. HEA 201.
3. Mathematics and science: 3 semester hours each.
4. Three semester hours each from two of the following: anthropology, sociology, economics, geography, history or political science.
5. PSY 221 or 223.
6. EDU 381, 450.
7. In addition, competence in teaching reading must be attained. (EDU 470.)
8. Two semester hours in physical education.  
Note: Marching Band Techniques is a required course for wind and percussion principals and will substitute for physical education requirement.
9. MUS 465: 9 semester hours.

**Music Minor**

Required: 21 semester hours.

Students with a major in another division of the University may choose music as a minor upon approval of the major department and the School of Music. An audition for approval of the music minor is required and must be arranged in advance.

1. Music Theory: MUS 101, 102, 105, 106, 6 semester hours.
2. Principal Area: Applied Music, 4 semester hours and must satisfy requirements for entrance to 251 level.
3. Music History: MUS 331, 332, or 333, 3 semester hours.
4. Performance Ensembles: 4 semester hours.
5. Music Electives: 4 semester hours.

**MUSIC-MUS/courses****Courses for Undergraduates**

- 90 Convocation (0:1).** Undergraduate music majors are required to complete seven semesters for graduation. B.A. students are required to attend MUS 90 for 4 semesters and MUS 91 for 7 semesters. Part-time and full-time transfer students must enroll in MUS 90/91 for the number of semesters of full-time work remaining in their programs. Seventy-five percent attendance is required for all events except those structured for freshmen only. Grading on P/NP basis; requirements fulfilled with P grade only.
- 91 Recital Attendance (0).** Music majors are required to report attendance at a minimum of ten approved public performances each semester of undergraduate study including those in which student participates. B.A. students are required to attend MUS 90 for 4 semesters and MUS 91 for 7 semesters. Part-time and full-time transfer students must enroll in MUS 90/91 for the number of semesters of full-time work remaining in their programs. Must complete seven semesters for graduation. Grading on P/NP basis; requirements fulfilled with P grade only.
- 101, 102 Theory I, II, Fundamentals of Music (2:3), (2:3).** Basic musicianship. Study of principles of rhythmic, melodic, contrapuntal and harmonic procedures. Diatonic major-minor tonal system.
- 105, 106 Ear-Training I, II (1:2), (1:2).** Sight-singing, dictation and keyboard exercises. Performance, aural recognition and notation of basic elements of music.
- 118 Summer Composition Seminar (2).** Creative writing for chamber music groups, mixed media and theatre pieces. Pr. admission to Eastern Music Festival as composition major.
- 119 Summer Workshop in Twentieth Century Composition Techniques (3).** A study of the techniques, forms and styles of twentieth century composers from Debussy to Stockhausen. Major topics will include polytonality, serial writing, electronic music and mixed media. Pr. admission to Eastern Music Festival as composition major.
- 125, 126, 225, 226 Class Voice (1:0:2), (1:0:2), (1:0:2), (1:0:2).** Study of basic principles of vocal production, to include acquaintance with a variety of solo literature and the development of poise and stage deportment. May be repeated for credit. Pr. consent of School of Music to enroll.
- 130 Class Guitar (1:0:2).** Group instruction in functional guitar for beginning guitar students. May be repeated for credit. Pr. consent of School of Music to enroll.



- 131, 132, 133, 134** **Class Piano (1:0:2), (1:0:2), (1:0:2), (1:0:2).** Laboratory instruction in piano. Offered as preparation for the piano proficiency required of music majors whose major or principal area is not piano. 131, first level; 132, second level; 133, third level; 134, fourth level.
- 170** **Diction for Singers (2:2:1).** Study of phonetics and its application to pronunciation of English, Italian and ecclesiastical Latin; special problems involved in singing English.
- 171a** **French Diction for Singers (1:1:1).** Phonetic alphabet as it relates to French language and special problems involved in singing this language.
- 171b** **German Diction for Singers (1:1:1).** Phonetic alphabet as it relates to German language and special problems involved in singing this language.
- 201, 202** **Theory III, IV, Musical Structure (2:3), (2:3).** Theory III: Continued study of diatonic major-minor system, with emphasis on more advanced harmonic and voice-leading techniques. Theory IV: Chromatic harmonic techniques of the 19th century; basic formal processes of Western Music, including fugue, theme and variations, rondo, sonata form.
- 203** **Instrumentation (2:2).** Study of orchestral and band instruments, their ranges, technical limitations and tonal possibilities with practical application in scoring for small ensembles and instrumental choirs.
- 205** **Ear-Training III (1:2).** Sight-singing, dictation and keyboard exercises. Performance, aural recognition and notation of musical passages more complex than those presented in 106.
- 206** **Ear-Training IV (1:2).** Sight-singing, dictation and keyboard exercises. Performance, aural recognition and notation of musical passages more complex than those presented in 205.
- 207** **Fundamentals of Music (3:3).** Rudiments of music for students whose background has included a limited study of the elements of music theory. Recommended for prospective elementary school teachers or any student interested in receiving basic fundamental knowledge of music. Required of all students seeking a BFA with major in dance.
- 208** **Introduction to Instrumental Methods (2:2).** Introductory study of instrumental music teaching, including string, woodwind, brass and percussion instruments. Not open to freshmen.
- 209** **Introduction to Choral Methods (2:2).** Introductory study of vocal production, especially as applied to choral singing, and of choral rehearsal procedures and repertory, especially as applied to junior and senior high school choral groups.
- 214** **Jazz Appreciation (3:3).** Introductory course designed to give the student new insights and general knowledge of all jazz styles. Does not require previous musical training. (H).\*
- 241** **Music Appreciation (3:3).** Introduction to literature of music, designed to give students a general understanding of musical forms and styles. Does not require previous musical training. Listening labs will be scheduled at the discretion of the instructor. Not open to music majors. (H), (CFA).\*
- 243** **Popular Music in America (3:3).** A survey of popular musical styles and performers in America from the Gilded Age to the present. (H).\*
- 263** **String Methods Laboratory I (1:0:2).** Class instruction in orchestral bowed string instruments. Covers performance and pedagogy for teaching at the elementary level. Required: instrumental music education majors, except string principals.
- 264** **Brass Methods Laboratory I (1:0:2).** Class instruction in basic orchestral brass instruments. Covers performance, pedagogy, and literature for teaching at elementary level. Required: instrumental music education majors, except brass principals.
- 265** **Woodwind Methods Laboratory I (1:0:2).** Class instruction in basic orchestral woodwind instruments. Covers performance, pedagogy, and literature for teaching at elementary level. Required: instrumental music education majors, except woodwind principals. Pr. 200 level principal applied or consent of instructor.
- 266** **Percussion Methods Laboratory I (1:0:2).** Class instruction in basic percussion instruments. Covers performance, pedagogy, and literature for teaching at elementary, junior, and senior high school levels. Required: instrumental music education majors, except percussion principals.
- 301** **Theory V, Musical Structure in the Late Nineteenth and Twentieth Centuries (3:2:3).** Analysis of music from Debussy through Stravinsky and Webern; composition of short works using 20th century techniques of pitch and temporal organization. Pr. 202 and 206.
- 319** **Choral Laboratory I (1:1:1).** Conducting techniques, especially as related to choral conducting; rehearsal procedures, continued study of choral repertory. Pr. 106 or consent of instructor, 125 or one semester of voice study; corequisite 380, 382 or 383 (except instrumentalists).
- 321, 322** **Jazz Improvisation I, II (3:3), (3:3).** A basic course for the student with little or no previous experience in jazz improvisation. First semester: essential theoretical knowledge and practical skills and practice of integrating them into improvisation. Pr. successful completion of 101, 102, 105, 106 and attainment of the 251 level in applied music. Second semester: continued development of knowledge and skills present in 321 with emphasis on increased fluency and mastery. Pr. 321 or consent of instructor.
- 331, 332, 333** **History of Western Music I, II, III (3:3), (3:3), (3:3).** Detailed study of music history. First semester: music to about 1600; second semester: from 1600 to 1800; third from 1800 to the present. Pr. 101, 102, 105, 106 or consent of instructor. (331, 332 H).
- 342** **Music Appreciation: Twentieth Century (3:3).** Nontechnical study of musical styles, forms and techniques of twentieth century. Designed particularly for junior and senior non-music majors. (H), (CFA).\*
- 343** **Music Appreciation: The Non-Western World (3:3).** Musical culture of non-Western world, with emphasis on determinants of musical tradition. (H).\*
- 344** **Afro-American Music (3:3).** An historical survey of the

\*Open to all University students.



- musical contributions of Black Americans beginning with the oral traditions of Africa and culminating with jazz and the music of contemporary Black American composers. Does not require previous musical training. One session per week will be devoted to discussion of reading assignments and to guided listening experiences. (H).\*
- 350 Electronic Music (3:2:2).** Introductory course in electronic composition. Lecture and laboratory experience.\*
- 357 Marching Band Techniques (3:3).** Study of marching band techniques, including pageantry and show design. Practical exercises in writing marching band shows. Pr. 202, 206, 263, 264, 265, 266, or consent of instructor.
- 358 Jazz Arranging I (3:3).** Beginning study of the language and techniques employed in arranging music for various jazz ensembles. Pr. 201, 205.
- 361 Music for the Classroom Teacher (3:3).** General school music program and its place in curriculum, with emphasis on fundamentals of music, material and techniques of teaching and on interrelationship of the arts. Required of all early childhood and elementary education majors.
- 363 String Methods Laboratory II (1:0:2).** Class instruction in orchestral bowed string instruments. Covers performance, pedagogy, and literature for the intermediate level. Required: string principals. Pr. 263 (exception: string principal) or consent of instructor.
- 364 Brass Methods Laboratory II (1:0:2).** Class instruction in orchestral brass instruments. Covers performance, pedagogy, and literature for the intermediate level. Required: brass principals. Pr. 264 (exception: brass principal) or consent of instructor.
- 365 Woodwind Methods Laboratory II (1:0:2).** Class instruction in orchestral woodwind instruments. Covers performance, pedagogy, and literature for the intermediate level. Required: woodwind principals. Pr. 265 (exception: woodwind principal) or consent of instructor.
- 366 Percussion Methods Laboratory II (1:0:2).** Class instruction in orchestral percussion instruments. Covers performance, pedagogy, and literature for the intermediate level. Required: percussion principals. Pr. 266 (exception: percussion principal) or consent of instructor.
- 367a Curriculum and Teaching Methods in the Elementary School (3:3).** An overview of the music curriculum in the elementary school. Emphasis on effective methods and techniques of teaching, survey and evaluation of materials, development of behavioral objectives and musical activities appropriate for grades K-6. Includes observations, laboratory and field experience. Required: general music education majors. Pr. admission to teacher education.
- 367b Foundations of Teaching Instrumental Music (3:3).** Basic instruction in teaching instrumental music in the schools. Includes pedagogic techniques, organization, and practice. Required: instrumental music education majors. Pr. admission to teacher education.
- 368 Band Instrument Repair (1:0:3).** Mechanics of wind and percussion instruments, plus laboratory time to develop skills in repairing instruments. Pr. instrumental methods courses and/or performance knowledge of band instruments. Not offered every year.
- 372 Instrumental Conducting I (1:0:2).** An introductory course in instrumental conducting. Emphasis on baton technique and non-verbal communication.
- 380 University Women's Choir (1:0:3).** Choral organization for women's voices. Open to all students by audition. May be repeated for credit.
- 381 Men's Glee Club (1:0:3).** Membership is open to all students by audition. May be repeated for credit.
- 382 University Chorale (1:0:4).** Mixed choral organization, selected voices. Membership by audition. May be repeated for credit.
- 383 Symphonic Chorus (1:0:3).** Mixed choral organization. Repertoire includes a wide variety of choral literature. May be repeated for credit.
- 384 Keyboard Accompanying (1:0:3).** Class discussion, study and performance of literature for voice and/or instruments with keyboard accompaniment. Will fulfill large ensemble requirement in semester of enrollment. May be repeated for credit 4 semesters.
- 391 University Symphony Orchestra (1:0:4).** Full symphony orchestra, performing important works from the symphonic repertoire of the eighteenth, nineteenth and twentieth centuries. Membership by audition. May be repeated for credit.
- 392 String Orchestra (0.5:1.5).** Adjunct to University Symphony Orchestra, 391. Activities include string sectional rehearsals for the University Symphony Orchestra as well as the preparation and performance of string orchestra literature. Pr. membership in University Symphony Orchestra. May be repeated for credit.
- 393 University Wind Ensemble (1:0:4).** Small wind ensemble for advanced students. Performs appropriate wind ensemble works from all eras. Membership by audition. May be repeated for credit.
- 394 University Concert Band (1:0:3).** Performs literature from all eras, including contemporary works for this medium. Open to all students by audition. May be repeated for credit.
- 395 Jazz Laboratory Ensemble (1:0:3).** Performance of literature encompassing all of the jazz idioms with emphasis on contemporary composition. Open to all students by audition. May be repeated for credit.
- 396 Small Ensemble (1:0:3) or (1:0:2).** Participation by advanced students in trios, quartets, and other ensembles appropriate to the performance area. Open to all students by audition. Includes Collegium Musicum, Honors Woodwind Quintet, Jazz Ensemble, New Music Ensemble, Opera Chorus (spring semester), Show Choir. May be repeated for credit.
- 419 Choral Laboratory II (2:1:2).** Supervised practice in conducting choral rehearsals; comparative study of rehearsal procedures and of choral objectives;

\*Open to all University students.



- continued study of choral repertory. Pr. 206 or consent of instructor, 319 or 372; 380, 381, 382 or 383.
- 460 Jazz Pedagogy (2:2).** Principles of jazz interpretation, improvisation, and arranging. Procedures for organizing and administering jazz programs and for conducting rehearsals. Survey of jazz study materials. Pr. 134 or piano proficiency, 202 and 206.
- 464 General Music in Secondary Schools (2:2).** Survey of general music in secondary schools. Includes evaluation of materials, organization, and contemporary methodology. Pr. admission to the professional semester in music education. Block registration.
- 465 Student Teaching (9).** Daily teaching in primary and secondary grades under University supervision. Section 1, general music; section 2, wind and percussion; section 3, strings. Pr. 464 and 419 for section 1; 467 and 472 for sections 2 and 3. Completion of all requirements in theory. Classification of 351 level in applied principal for all sections. Block registration.
- 466 Seminar for Student Teachers (1:2).** A forum whereby special educational opportunities are provided in conjunction with student teaching experiences. Emphasis is placed on professional aspects of teaching. Pr. 464 or 467. Block registration.
- 467 Instrumental Music in the Schools (2:2).** Philosophies and methods of teaching instrumental music, including study of administrative procedures, repertoire, and program building; application of music teaching techniques. Pr. admission to the professional semester in music education. Block registration.
- 472 Instrumental Conducting II (2:1:2).** Advanced conducting techniques, with emphasis on instrumental conducting.
- 497 Directed Study in Music (1 to 3).** Supervised research in an advanced subject area resulting in a written document or composition. Project outline (available in School of Music office) will be prepared by the student and the supervising professor and must be approved by the Division Chairman and Dean of the School of Music. Course may be repeated for credit. A, Directed Study in Music Education; B, Directed Study in Performance, Composition, Theory; C, Directed Study in Music History and Literature. Pr. consent of supervising professor, Division Chairman and Dean of the School of Music.
- moderately advanced teaching literature with emphasis on basic pedagogical approaches to technique, style and interpretation. Procedures for teaching functional skills. Supervised group teaching experience. Pr. junior, senior or graduate piano principal or major or consent of instructor.
- 503 String Instrument Pedagogy (3:3:1).** A survey of string teaching philosophies, methods and materials and their application. To include lab experience. Pr. junior, senior or graduate bowed string principal or major or consent of instructor.
- 504 Woodwind Instrument Pedagogy (3:3).** A survey of various philosophies, methods and materials utilized in the teaching and performing of woodwind instruments. Pr. 351 applied level or consent of instructor.
- 505 Brass Instrument Pedagogy (3:3):** A survey of various philosophies, methods and materials utilized in the teaching and performing of brasswind instruments. Pr. 351 applied level or consent of instructor.
- 506 Percussion Instrument Pedagogy (3:3).** A survey of various philosophies, methods and materials utilized in the teaching and performing of percussion instruments. Pr. 351 applied level or consent of instructor.
- 507 Modal Counterpoint (3:3).** Contrapuntal techniques and standard forms of Renaissance sacred vocal repertoire. Analysis of music by such composers as Josquin, Palestrina, and Lassus. Standard writing techniques of motet and mass; aural training. Pr. 202 and 206 or permission of instructor.
- 508 Tonal Counterpoint (3:3).** Contrapuntal techniques and standard forms of the middle and late Baroque. Analysis of music by composers from Corelli to Bach, composition in representative forms, and aural training. Pr. 202 and 206 or permission of instructor.
- 509 Analysis and Interpretation of Music (3:3).** Principles of musical interpretation, as applied to representative works from eighteenth, nineteenth and twentieth centuries. Emphasis on derivation of rational bases for interpretative decisions, based on musical analysis. Pr. 301 or consent of instructor. (Formerly 508).
- 511 History of Opera (3:3).** Principal opera composers and style from Monteverdi to the present; analytical study of selected major works. Pr. 332 and 333, or consent of instructor.\* Not offered every year.
- 513a, 514a Song Repertory I, II: Voice (1:0:2), (1:0:2).** Class study of selected songs with emphasis on stylistic elements. First semester: German Lieder from Haydn through Strauss. Second semester: French song from Berlioz to present; modern English and American songs. Each semester may be repeated once for credit. Open to junior, senior and graduate music majors. Pr. Voice 251 and courses in the grammar and/or the phonetics of the language (German for 513a, French for 514a), or consent of instructor.
- 513b, 514b Song Repertory I, II: Piano (1:0:2), (1:0:2).** Class study of selected songs with emphasis on stylistic elements. First semester: German Lieder from Haydn through Strauss. Second semester: French song from Berlioz

\*Open to all University students by consent of instructor.

## Courses for Advanced Undergraduates and Graduates

Courses in the 500 and 600 groups may not be available every year. Please inquire at School of Music for schedule.

- 501 Piano Pedagogy I (3:3).** A survey of current piano teaching philosophies, methods and materials and their application for private and group instruction. Supervised teaching of beginning adult students in group piano. Pr. junior, senior or graduate piano principal or major or consent of instructor.
- 502 Piano Pedagogy II (3:3).** A survey of intermediate and



- to present; modern English and American songs. Each semester may be repeated once for credit. Open to junior, senior and graduate music majors. Pr. Piano 251 or consent of instructor.
- 515 Piano Literature I (3:3).** A survey of piano literature from ca. 1760-1825, with a preliminary investigation of music for other keyboard instruments from the earliest extant sources. Pr. piano majors or principals at junior, senior or graduate level or consent of instructor. Offered in alternate years.
- 516 Piano Literature II (3:3).** A survey of piano literature from ca. 1825 to the present. Pr. piano majors or principals at junior, senior or graduate level or consent of instructor. Offered in alternate years.
- 519 Seminar in Choral Repertory (1:1).** A detailed study of a limited area of choral literature to determine the existence, publications, stylistic features and performance requirements of music within this area. May be repeated once. Pr. undergraduate or graduate music major. Not offered every year.
- 520 Seminar in Piano (3:3).** A detailed study of a particular composer or genre of piano literature emphasizing stylistic features, performance problems, pedagogy and historical perspectives. May be repeated for credit.
- 521 History of Art Song (3:3).** Detailed study of art songs representative of various styles and periods from late fourteenth century to present. Pr. 333 or consent of instructor.\* Not offered every year.
- 522 Guitar Literature (3:3).** A survey of guitar literature from the Renaissance to the present; detailed study of lute tablatures, instrument construction and the development of technique. Pr. two years of classical guitar study or the equivalent.\* Not offered every year.
- 527 Performance Practices of Western Music (3:3).** An investigation from the Middle Ages to the present of the problems of performing music in an historically correct manner. Emphasis on theoretical writings and on comparison of performances. Pr. 331, 332 and 333 or consent of instructor.
- 528 Choral Music since 1750 (3:3).** A study of the significant genres and major composers of choral music since 1750; detailed examination of selected masterworks. Pr. 332, 333 or consent of instructor.
- 529 Renaissance Music (3:3).** A comprehensive, historical survey of music in the fifteenth and sixteenth centuries with a detailed study of representative composers evidenced in selected monumental works. Attention will be given to bibliography and discography for further study. Pr. 331 or consent of instructor.\* Not offered every year. (Formerly 534).
- 530 The Baroque Period in Music (3:3).** A comprehensive, historical survey of music of the Baroque era from Monteverdi through Bach and Handel with a detailed study of styles of representative composers evidenced in selected monumental works. Attention will be given to bibliography and discography for further study. Pr. 332 or consent of instructor.\* Not offered every year. (Formerly 533).
- 531 Classicism and Romanticism in Music: 1750-1850 (3:3).** An examination of the major contributions of Mozart, Haydn, Beethoven, Schubert, Berlioz, Schumann, etc., to the western tradition. Special attention to be given to the development of music for the symphony orchestra and the piano. Pr. 333 or consent of instructor.\* Not offered every year. (Formerly 529).
- 532 The Post-Romantic Tradition in Music: 1850-1914 (3:3).** A study of developments in the history of music from Wagner through early Schoenberg. Special attention will be given to changes in styles and techniques as well as to the interactions between music and the other arts. Pr. 333 or consent of instructor.\* Not offered every year. (Formerly 530).
- 533 Twentieth Century Music c. 1890-1950 (3:3).** A survey of composers and musical styles which emerged in Europe and the Americas from impressionism through the beginnings of electronic music. Pr. 333 or consent of instructor.\* Not offered every year. (Formerly 531).
- 534 Experimental Music (3:3).** Study of recent musical and related intermedia creative trends. (Formerly 561).
- 536 Band Literature (3:3).** Band literature and origins of the band emphasizing its important, expanded cultivation during past century in United States and Europe.\* Not offered every year.
- 537 Chamber Music Tradition (3:3).** Advanced study of selected chamber compositions from the late eighteenth century to the present emphasizing string, woodwind, and brass ensembles, including works with piano. Pr. 332, 333, or permission of instructor.\* Not offered every year.
- 538 The Symphonic Tradition (3:3).** Advanced study of symphonic styles and techniques from Baroque era to present. Pr. 332, 333 or consent of instructor.\* Not offered every year.
- 539a, 539b Advanced Conducting (3:3), (3:3).** Advanced score reading. Conducting of works in larger forms, with detailed examination of conducting techniques in relation to content and style. 539a: Symphonic repertory; 539b: Choral-instrumental repertory. Pr. 472 or 419 or consent of instructor.
- 540 Piano Teachers' Seminar (3:3).** Piano literature, technique and interpretation for teachers of piano. Specific course content is described with each offering of the seminar. May be repeated for credit by degree students once.
- 541 Principles of Vocal Pedagogy (3:3).** Teaching process as applied to singing. Includes historical development, an examination and evaluation of concepts and approaches past and present, and consideration of style and technique. Pr. senior or graduate standing as a voice major or principal.
- 542 Behavior Modification in Musical Achievements (3:3).** The study and use of behavior modification techniques for musical achievement in the music classroom, the rehearsal and the private studio. Pr. graduate standing in music or consent of instructor.

\*Open to all University students by consent of instructor.



- 543 Music for Exceptional Children (3:3).** A review of the learning styles of exceptional children and the implication for providing realistic musical activities in the classroom. Emphasis will be placed on musical goals and developing musical skills with special learners. Pr. 361 or consent of instructor.
- 544 Contemporary Trends in Music Education (3:3).** Current philosophies and concepts which are influencing forces in contemporary music education practices, methods and materials. Investigation into social psychology of music as applied to existing musical organizations and classes in public schools. (Formerly 532).
- 550 Electronic Music (3:2:2).** Same as 350 above. Introductory course in electronic composition. Lecture and laboratory experience.\*
- 558 Jazz Arranging II (3:3).** Advanced study of techniques and disciplines employed in arranging for jazz ensembles. Pr. 201, 202, 203, 205 and 206 or graduate standing in music theory. Not offered every year.
- 560 History of Jazz (3:3).** A chronological survey of jazz music and jazz history. Introduction to standard reference works and investigation of socio-cultural aspects. Pr. 206, 301, 331, 332, 333.
- 563 Band Arranging (3:3).** Arranging, editing and rescoring for concert and marching bands for performance at various levels. Not offered every year.
- 566 Orchestration (3:3).** Advanced techniques in instrumental writing. Practical exercises in scoring and arranging for small and large ensembles, emphasizing orchestral instruments.
- 567 Choral Arranging (3:3).** Advanced study of techniques and procedures required in arranging and in creative writing for voice.
- 568 Organ Literature (3:3).** Survey of organ literature from sixteenth century to present.\* Not offered every year.
- 574 Twentieth-Century Vocal Techniques (2:2).** Performance practices in twentieth-century vocal music, including an overview of the repertoire, learning and rehearsal procedures, and information about contemporary notation. Pr. 301, 331, 332, 333 or consent of instructor.
- 575 Opera Workshop (3:3:3).** Techniques for the singing actor; study of technical problems of musical theatre. May be repeated for credit. Graduate students may count only three semester hours of credit toward degree requirements.
- 578 Orff in the Music Classroom (3:3).** Practical experiences in the Orff-Schulwerk process of music teaching. Recorder proficiency, Orff instrumental technique and orchestration for Orff instrumentarium are emphasized. Pr. advanced undergraduate or graduate standing in music or consent of instructor.
- 579 Music Education Workshop (1 to 3).** Intensive study involving specific experiences related to pedagogical problems in music education. Credit hours, duration and subject emphasis for the course will vary as announced. Pr. consent of School of Music, to be based upon appropriate academic or professional training. Grade: Satisfactory/Unsatisfactory, S/U.

\*Open to all University students by consent of instructor.

## Courses for Graduates

- 580 University Women's Choir (1:0:3).**
- 581 Men's Glee Club (1:0:3).**
- 582 University Chorale (1:0:4).**
- 583 Symphonic Chorus (1:0:3).**
- 588 Chamber Singers (1:0:3).**
- 591 University Symphony Orchestra (1:0:4).**
- 592 String Orchestra (0:5:1.5).**
- 593 University Wind Ensemble (1:0:4).**
- 594 University Concert Band (1:0:3).**
- 595 Jazz Laboratory Ensemble (1:0:3).**
- 596 Small Ensemble (1:0:3).**
- 600 Recital (0).**
- 601 Research Methods in Music (3:3).**
- 602 Research Seminar in Music History (3:3).**
- 605 The Measurement of Musical Behaviors (3:3).**
- 606 Seminar in Music Literature (3:3).**
- 610 Lecture-Demonstration (2:1).**
- 611 Analysis of Music — Contemporary Music (3:3).**
- 615 Nineteenth Century Piano Literature (3:3).**
- 618 Psychology of Music (3:3).**
- 619 Acoustics of Music (3:3).**
- 621 Seminar in Vocal Literature (3:3).**
- 628 The Interpretation of Choral Music of the Renaissance and Baroque (3:3).**
- 629 Choral Laboratory III (2:1:3).**
- 630 The Study of Phonetics as Applied to Singing (3:3).**
- 641 Advanced Vocal Pedagogy (3:3).**
- 644 Pedagogy of Theory (3:3).**
- 650 Seminar in Music Education (3:3).**
- 653 Music Supervision (3:3).**
- 655 Music in Higher Education (3:3).**
- 661 Advanced Analytical Techniques (3:3).**
- 675 Seminar in Opera Direction and Production (3:2:3).**
- 697 Directed Study in Music (1 to 6).**
- 699 Thesis (6).**
- 750 Doctoral Seminar (3:1:4).**
- 797 Directed Study in Music (1 to 12).**
- 799 Dissertation (12).**
- 800 Graduate Registration.**
- 801 Graduate Registration.**

## Nursing — School of

(112 Margaret C. Moore Bldg.)

- Eloise R. Lewis** (1966), Professor and Dean of School/B.S.N., Vanderbilt/M.S.Ed., Pennsylvania/Ed.D., Duke, F.A.A.N.
- Rachel H. Allred** (1972), Assistant Professor/B.S.P.H.N., M.P.H., U.N.C. at Chapel Hill.
- Maude H. Alston** (1978), Assistant Professor/B.S., Tift College/M.S.N., Medical College of Georgia/Ph.D., UNC-G.
- Doris W. Armenakl** (1975), Assistant Professor/B.S.N., UNC-G/M.S.N., Alabama in Birmingham.
- Ruby G. Barnes** (1977), Professor/B.S.N.Ed., Duke/M.S.N., U.N.C. at Chapel Hill/Ed.D., N.C. State.



- Susan A. Beeson** (1973), Lecturer/B.S.N., M.S.N., UNC-G.
- Mary S. Brodsh** (1976), Associate Professor/B.A., Wellesley College/M.A., New York/M.N., Yale.
- Hazel N. Brown** (1974), Assistant Professor/B.S.N., Berea College/M.A., Wake Forest/Ed.D., UNC-G.
- Sharon A. Caston** (1984), Lecturer/B.S.N., U.N.C. at Chapel Hill/M.S., Arizona State.
- M. Carolyn Cooper** (1984), Lecturer/B.A., Baylor/B.S.N., M.S.N., UNC-G.
- Nancy F. Courts** (1973), Lecturer/B.S.N., Emory/M.S.N., U.N.C. at Chapel Hill.
- Elizabeth R. DiMeo** (1973), Assistant Professor/B.S.N., Union/M.S.N., Boston.
- Susanna N. Dyer** (1983), Lecturer/B.S.N., M.S.N., Virginia. Part-time.
- Betty R. Erlandson** (1977), Associate Professor/B.S.N., M.S.N., Boston.
- Marilyn L. Evans** (1973), Associate Professor/B.S.N., Skidmore College/M.Ed., Teachers College, Columbia.
- Marjorie V. Goff** (1973), Visiting Associate Professor/B.S., Florida State/B.S.N., Duke/M.S.H.E., UNC-G.
- Margaret V. Hargett** (1978), Associate Professor/B.S.N., M.S.N., Ph.D., U.N.C. at Chapel Hill.
- Vida Kay Jackson** (1984), Lecturer/B.S.N., East Carolina/M.S.N., UNC-G.
- Rebecca S. James** (1982), Assistant Professor/B.S.N., South Carolina/M.S.N., Kentucky/Ph.D., UNC-G.
- Gloria B. Johnson** (1983), Lecturer/B.S.N., M.S.N., South Carolina.
- Joan M. Jones** (1984), Visiting Assistant Professor/B.S.N., N.C. College at Durham/M.S.N., U.N.C. at Chapel Hill.
- Phillip W. Jullian** (1979), Lecturer/B.S., Wake Forest/B.S.N., M.S.N., UNC-G.
- Virginia B. Karb** (1978), Assistant Professor/B.S.N., West Virginia/M.S.N., Case Western Reserve.
- Kathy J. Kraus** (1984), Lecturer/B.S.N., Indiana University of Pennsylvania/M.A., Iowa.
- Margaret Anne Landon** (1971), Associate Professor/B.S., Siena Heights/M.S.N., Catholic University of America.
- Betsy B. Lehman** (1984), Lecturer/B.S.N., Duke/M.S.P.H.N., U.N.C. at Chapel Hill.
- Dianne J. Leonard** (1975), Visiting Assistant Professor and Director of Nursing Education, Greensboro AHEC/B.S., Bob Jones/M.S.N., UNC-G.
- Gretchen K. Longenecker** (1984), Visiting Assistant Professor/B.S.N., Cincinnati/M.S.N., Catholic University of America.
- Rebecca J. Patterson** (1978), Lecturer/B.S., Medical College of Virginia/M.S.N., U.N.C. at Chapel Hill.
- Kimberly C. Phillips** (1983), Lecturer/B.S.N., M.S.N., UNC-G.
- L. Iona Poston** (1981), Assistant Professor/B.S.N., Medical University of South Carolina/M.S.N., Medical College of Georgia.
- Jane F. Ray** (1984), Visiting Assistant Professor/B.S.N., UNC-G/M.S., Virginia Commonwealth.
- Karen S. Reed** (1982), Lecturer/B.S.N., Ohio/M.N., Pittsburgh.
- Sandra D. Reed** (1967), Associate Professor/B.S.N., U.N.C. at Chapel Hill/M.S.N., Boston.
- Robin E. Remsburg** (1983), Lecturer/B.S.N., U.N.C. at Chapel Hill/M.S.N., UNC-G.
- Jennifer B. Sandoval** (1981), Lecturer/B.S.N., Columbia/M.N., California.
- Jeanne C. Sears** (1983), Lecturer/B.S.N., Virginia Commonwealth/M.S.N., UNC-G.
- Ernestine B. Small** (1967), Associate Professor/B.S., Tuskegee Institute/M.S.N., Catholic University of America.
- Yvonne G. Spencer** (1984), Visiting Assistant Professor/B.S.N., M.S., N.C. A & T State/M.S.N., Widener.
- Margo Nowak Swanson** (1981), Instructor/B.S.N., M.N.Sc., Arkansas for Medical Sciences. Part-time.
- Rebecca H. Taylor** (1970), Assistant Professor/B.S.N., M.P.H., U.N.C. at Chapel Hill.
- Catherine M. Turner** (1971), Associate Professor and Assistant Dean/Ph.B., Siena Heights/B.S.N., M.S.N., Catholic University of America.
- Carol L. Watters** (1977), Lecturer/B.S.N., Vermont/M.S.N., U.N.C. at Chapel Hill.
- Pamela O. Werstlein** (1975), Assistant Professor/B.S.N., East Carolina/M.N., Florida.
- Susan Wilson** (1983), Assistant Professor/B.S., Alabama/M.N., Florida/Ed.D., Temple.
- Ellsabeth Ann Zinser** (1983), Professor and Vice Chancellor for Academic Affairs/B.S., Stanford/M.S., California/S.M., Massachusetts Institute of Technology/Ph.D., California.
- Adjunct Faculty**
- Gwendolyn J. Andrews** (1977), Adjunct Assistant Professor/B.S.N., Tuskegee Institute/M.S.N., U.N.C. at Chapel Hill.
- Susan F. Bays** (1983), Adjunct Instructor/B.S.N., M.S.N., UNC-G.
- LaVonne H. Beach** (1983), Adjunct Assistant Professor/B.S.N., M.S.N., UNC-G.
- Ruth Bokun** (1981), Adjunct Associate Professor/B.S., St. Joseph College/M.H.A., St. Louis.
- Frances L. Crosby** (1984), Adjunct Assistant Professor/B.S.N., Winston-Salem State/M.S., Medical College of Georgia.
- Elizabeth K. Dickson** (1984), Adjunct Assistant Professor/B.S.N., West Virginia/M.S.N., UNC-G.
- Betty C. Eller** (1983), Adjunct Assistant Professor/A.D., Catawba College/M.P.H., U.N.C. at Chapel Hill.
- Shella P. Englehardt** (1981), Adjunct Assistant Professor/B.S.N., New York/M.Ed., U.N.C. at Charlotte.
- Beatrice Kathryn Erickson** (1985), Adjunct Assistant Professor/B.S.N., Pennsylvania State/M.Ed., Kent State. Second semester 1984-85.
- Ann M. Fonville** (1981), Adjunct Assistant Professor/B.S.N., West Virginia/M.P.H., Johns Hopkins.
- Vercie M. Hardee** (1976), Adjunct Associate Professor/B.S.N., U.N.C. at Chapel Hill/M.Ed., Ed.D., N.C. State.
- Patricia D. Hayes** (1985), Adjunct Assistant Professor/B.S.N., U.N.C. at Chapel Hill/M.S.N., UNC-G. Second semester 1984-85.
- Rebecca W. Knight** (1984), Adjunct Assistant Professor/B.S.N., M.S.N., UNC-G.
- Carol B. Lundrigan** (1983), Adjunct Assistant Professor/B.S.N., Evansville/M.S.N., UNC-G.
- Jeanne Margaret McNally** (1974), Adjunct Professor/A.D., Sacred Heart College/B.S.N., M.S., Ph.D., Catholic University of America.
- William K. McRae** (1978), Clinical Professor/B.S., Wake Forest/M.D., Bowman Gray School of Medicine of Wake Forest.
- Edith M. Millsaps** (1974), Clinical Assistant Professor/B.S.N., N.C. A & T State/M.S.N., UNC-G.
- Adelma E. Mooth** (1978), Adjunct Professor/A.B., Indiana/M.S., Chicago/Ed.D., Teacher's College, Columbia.



**Betsy C. Payne** (1981), Adjunct Assistant Professor/B.S.N., U.N.C. at Chapel Hill/M.S.N., UNC-G.

**Angela S. Staab** (1982), Adjunct Assistant Professor/B.S.N., M.N., Pittsburgh.

**Martha J. Stucker** (1985), Adjunct Assistant Professor/B.S., Hunter College of the State University of New York/M.P.H., U.N.C. at Chapel Hill. Second semester 1984-85.

**Russell E. Tranbarger** (1978), Adjunct Associate Professor/A.D., Blackburn College/B.S.N., DePaul/M.S.N., U.N.C. at Chapel Hill.

The School of Nursing offers an undergraduate curriculum leading to the degree of Bachelor of Science in Nursing.

The first two years of study are in general education, providing knowledge in the basic sciences and humanities. Nursing courses begin in the third year and comprise the majority of the work in the junior and senior years.

The Master of Science in Nursing Program builds upon the baccalaureate preparation for nursing. The School of Nursing offers a Master of Science in Nursing Degree program designed to prepare persons for a leadership role in nursing education or administration. The development of this functional competency is founded upon specialization in a selected area of clinical practice and is supported by a strong research emphasis.

### Philosophy

The School of Nursing at The University of North Carolina at Greensboro offers degrees at the baccalaureate and at the master's level.

We believe that man is a unique, holistic being with dignity, worth and potential for change. He possesses rights and is responsible for his actions. Man confronts constant change within himself and in his environment and is interacting continually with these changes. The most salient environment for man is his family, a functional social unit to which man belongs and through which he relates to others.

The society wherein man lives and functions is an aggregate of dynamic, complex relationships influencing man and family in a reciprocal exchange. We believe that access to health care is the right of all persons. Health is a purposeful adaptive response of the total person to internal and external stimuli in order to maintain stability and comfort.

Practitioners within the health care delivery system share a common goal: to promote and maintain optimal health and to treat illness and disability in individuals and groups. The nursing profession is an integral part of the practitioner component of health care.

Nursing is a socially significant activity concerned with man as a total being with health care needs. Nursing is a goal-oriented, interpersonal process directed toward the promotion, maintenance and restoration of health and/or assisting with the termination of life. Professional nursing not only encompasses the physical and psychosocial components of care but also expands the involvement of the practitioner to include the roles of leadership, research, advocacy, teaching, primary care giver and change agent. The primary tools of the professional nurse are the nursing process and research process. These processes provide logical, systematic problem-solving methods by which the goals of health may be promoted.

Education is a positive force that facilitates learning and

promotes adaptation to an ever-changing society. Learning is a dynamic interaction among the teacher, the learner and elements of the environment resulting in behavioral change. Education for professional nursing is achieved at the baccalaureate level in institutions of higher learning that provide a combination of experiences in the humanities, the natural behavioral and social sciences and nursing. Integration and transfer of knowledge gained from lower-division cognate courses support and augment the upper-division preparation in nursing. Education provides opportunities for the learner to broaden and deepen his interests so he can continue his development.

Nursing education at the master's level builds upon and articulates with baccalaureate preparation and enhances knowledge and competency for role expansion in nursing.

### Purpose

The school's purpose is to provide for excellence of educational opportunity by adherence to the principles of this philosophy and by the competence and dedication of its faculty in preparing students to practice and to advance professional nursing.

### Accreditation

The program offered by the School of Nursing is accredited by the North Carolina Board of Nursing and the National League for Nursing. The School of Nursing is an agency member of the National League for Nursing in the NLN Council of Baccalaureate and Higher Degree Programs.

### Admission

Admission to the University does not guarantee acceptance into the nursing major. Eligibility to enter the nursing major as a junior depends upon: (1) the satisfactory completion of all prerequisite courses; (2) a grade of "C" or better in each of the following courses — BIO 277, SOC 355 or CDF 212, PSY 221, HEA 369 or CDF 302, NUR 211 Lecture and NUR 211 Laboratory; (3) an overall quality point average of 2.0 or better.

The size of each incoming junior class is determined by the availability of clinical resources for student learning experiences. Therefore, it is impossible to assure space for every student who meets the criteria.

Students who are to be considered in the selection of candidates must have an overall quality point average of 2.0 or better at the end of the fall semester.

Transfer students who wish to be considered in the selection process must be admitted to the University by December 31.

### Registered Nurses

Registered nurses are considered for admission to the program on the same basis as any other undergraduate. The registered nurse who brings advanced placement has an opportunity to build a minor in the College of Arts and Sciences in order to complete the 122 hours required for graduation. The registered nurse who has completed the prerequisite academic work and is ready to enter the professional major may earn up to 20 semester hours of credit for selected courses by special examination. The length of time required to complete the program varies with each individual.



### Progression Within the Major and Graduation

A student must earn:

1. A grade of "C" or better in each nursing course.
2. An overall 2.0 Q.P.A. or better in the nursing courses to graduate.

### Student Appeals Committee

The Student Appeals Committee serves for students with academic problems related to eligibility for the major or progression within the major. The student should consult the Office of the Assistant Dean, School of Nursing, for instructions concerning the appeal process.

### General Information

Nursing majors are required to purchase uniforms in the spring semester of the sophomore year. The estimated cost is \$150.00. Before beginning junior level and senior level nursing courses, students are required to furnish the University evidence that they have secured liability insurance in the amount of \$100,000.00-\$300,000.00 covering their actions as students while having the practicum experience. If the student desires to obtain the coverage through the School of Nursing, it will be available at a cost of approximately \$15.00 per year. The insurance obtained through the School's group policy does not cover the student for part-time work or work during vacations.

A variety of health care agencies located in the Piedmont Crescent of North Carolina cooperate with the School of Nursing in providing clinical learning experiences for students.

Students enrolled in NUR 211 and the Practicum I, II, III and IV are responsible for their own transportation to and from the community agencies used for practicum experiences. Car owners are reminded that current liability insurance is required by North Carolina law.

National League for Nursing Achievement Tests are administered during the second semester of the junior year. A total fee of approximately \$10.00 is required. Students in the major also are required to subscribe to the **American Journal of Nursing** at a cost of approximately \$15.00 per year.

Students admitted to the major must provide evidence that they: (1) are certified to perform C.P.R.; (2) have had a recent tuberculin skin test (or chest X-ray if the skin test is positive)—within one year; (3) have had recent serology tests done—within one year; (4) have been immunized with tetanus toxoid within the past ten years; and (5) have had a Rubella Titre.

## NURSING MAJOR (Bachelor of Science in Nursing)

### Liberal Education Requirements

(See Curriculum Chapter for full explanation.)

1. One course in English composition or exemption.
2. Three courses from Humanities Area (H).
3. Two courses from Natural Sciences & Mathematics area (NSM): PHY 305, CHE 306.
4. Two courses from Social & Behavioral Sciences area (SBS): PSY 221 and sociology.

5. Four additional courses from Natural Sciences & Mathematics (BIO 271, 277) and Social & Behavioral Sciences (sociology, psychology) areas.

Note: If student's background is not sufficient to take BIO 271 and 277 (required No. 5 above), elective hours should be used to take BIO 101 and 102 as preparation for the 200-level required courses.

### Major Requirements

1. Generic Students  
NUR 211, 301, 302, 311, 312, 321, 322, 401, 402, 411, 412, 421, 422.
2. Registered Nurse Students  
NUR 303 or 301 and 302, 311\*, 312\*, 321\*, 322\*, 401, 402, 411, 412, 421, 422.

\*Note: Credit may be earned by examination.

### Related Area Requirements

1. HEA 369 or CDF 302.
2. BIO 380.

### Electives

BIO 101, 102 plus additional electives sufficient to complete total semester hours required for degree. These courses are prerequisite for BIO 271, 277 and 380 (see Biology Department requirements).

# Nursing-NUR/courses

## Courses for Undergraduates

- \*211 Introduction to Principles and Practice of Nursing (3:2:3).** Study of the nursing process with emphasis on assessment of selected body systems. Includes concepts, principles and skills basic to nursing practice, and overview of the history. Pr. intent to major in nursing; pr. or concurrent enrollment in BIO 271 or BIO 277.
- 301 Dynamics of Professional Nursing I (3:3).** Study of the nurse-patient relationship and of selected concepts related to nursing of the individual. Pr. 211.
- 302 Dynamics of Professional Nursing II (3:3).** Study of the nurse-patient relationship and of selected concepts related to nursing care of the individual within the family. Pr. 301.
- 303 Concepts of Professional Nursing (4:4).** The study of professional nursing with emphasis on selected concepts, assessment and principles of human interaction. Pr. BIO 277; SOC 355 or CDF 212; PSY 221; HEA 369 or CDF 302. Required course for the registered nurse student (replaces 301 and 302); pr. to the junior level Challenge Examinations.
- \*311 Practicum in Nursing I (5:0:15).** Provides beginning opportunities to utilize the nursing process in providing nursing care to individual adults and children and the childbearing family. Pr. 211; pr. or concurrent enrollment in 301, 321.
- \*312 Practicum in Nursing II (5:0:15).** Continues to provide opportunities to utilize the nursing process in



providing nursing care to individual adults and children and the childbearing family. Pr. 311; pr. or concurrent enrollment in 302, 322.

- 321, 322 Nursing Care of Adults and Children I, II (5:5), (5:5).** Selected nursing concepts and theories related to care of adults, children and child-bearing family. Emphasis on adaptation to pathophysiological/ psychosocial alterations, health promotion/ maintenance, and medical/nursing interventions. Pr. 211; 321 pr. for 322.
- 330 Health of Women (3:3).** A study of women and their health. Incorporating selected health issues, physical and developmental changes in the life cycle, health maintenance, and health problems.
- 401 Dynamics of Professional Nursing III (3:3).** Use of the nursing process in promoting and maintaining health of groups. Exploration of leadership roles in professional nursing as practitioner, researcher, and change agent. Pr. completion of two semesters in nursing major.
- 402 Dynamics of Professional Nursing IV (4:4).** Application of the scientific method in nursing research; exploration of management issues in nursing; analysis of factors that impact on nursing practice and professional role development. Pr. 401.
- \*411 Practicum In Nursing III (6:0:18).** Provides opportunities to utilize the nursing process in administering care for diverse populations with complex health concerns in a variety of settings. Emphasis is on immediate outcomes of health care. Pr. completion of first two semesters in nursing major.
- \*412 Practicum In Nursing IV (6:0:18).** Provides opportunities to utilize the nursing process in administering care for diverse populations with complex health concerns in a variety of settings. Emphasis is on long-term outcomes of health care. Pr. 411; pr. or concurrent enrollment in 402, 422.
- 421 Care of Individuals and Families with Complex Problems (4:4).** Study of selected concepts and theories of care of individuals and families in a variety of primary and secondary settings. Emphasis on assessment, planning, and evaluation of health care. Pr. completion of first two semesters of nursing major.
- 422 Care of Patients and Individuals with Complex Nursing Problems (4:4).** Study of selected concepts and theories of care of individuals and families in a variety of primary and secondary settings. Emphasis on assessment, planning, and evaluation of health care. Pr. 421.

**\*Note:** Students are individually responsible for their own transportation to and from the community agencies used for practicum experiences.

### Courses for Graduates

- 601 Nursing Research (3:3).**
- 602 Nursing Research Seminar (3:3).**
- 611a Advanced Nursing I: Nursing Administration (6:2:12).**

- 611b Advanced Nursing I: Nursing Education (6:4:6).**
- 612a Advanced Nursing II: Nursing Administration (6:2:12).**
- 612b Advanced Nursing II: Nursing Education (6:2:12).**
- 631 Professional Nursing In the Health Care System (3:3).**
- 632 Professional Nursing in Perspective (3:3).**
- 692 Independent Study (1 to 3).**
- 699 Thesis (3 to 6).**
- 800 Graduate Registration.**
- 801 Graduate Registration.**

**Office Systems Administration — See Information Systems and Operations Management.**

**Operations Management — See Information Systems and Operations Management.**

**Overseas Study — See Study Abroad.**

**Painting — See Art.**

**Personnel Management — See Management.**

### Pharmacy — Preprofessional Program

**Adviser: Sherri R. Forrester,** Associate Professor, Department of Chemistry/324 Petty Science Bldg.

Students seeking a professional degree in pharmacy may follow a pre-pharmacy curriculum at UNC-G for two years before transferring to a school of pharmacy. An additional three to four years will then be required depending on whether the B.S. in Pharm. or the Pharm. D. degree is sought.

Students planning to apply to the U.N.C. School of Pharmacy at Chapel Hill should enroll in the following courses in the freshman year.

CHE 111, 111L, 114, 114L

Mathematics

ENG 101, 102

Foreign language or other approved liberal arts course  
BIO 101, 102

Courses for the sophomore year will include:

CHE 351, 352, 354

PHY 305 or 101, 102

BIO 271

Other courses (including MAT 191 and ECO 201) making a total of 64 hours of pre-pharmacy work.

Students will also be required to take the Pharmacy College Admission Test in the sophomore year.

Completion of the pre-pharmacy work at UNC-G does not guarantee admission to the U.N.C. School of Pharmacy at Chapel Hill.



Students should consult the pre-pharmacy adviser before registering for courses. Those planning to apply to other pharmacy schools should bring along information from those schools.

## PHILOSOPHY — Department of

(216 Foust Bldg./College of Arts and Sciences)

**Jarrett Lepin** (1971), Professor and Head of Department/B.A., Amherst College/M.A., Ph.D., Chicago.

**Joshua Hoffman** (1973), Associate Professor/B.A., Trinity College/Ph.D., Brandeis.

**John L. King** (1974), Associate Professor/B.A., M.A., Ph.D., Wisconsin.

**Arnold B. Levlson** (1976), Professor/B.A., M.A., Ph.D., Virginia.

**Terrance C. McConnell** (1976), Associate Professor/B.A., Wittenberg/Ph.D., Minnesota.

**Gary S. Rosenkrantz** (1976), Associate Professor/B.A., City College of New York/Ph.D., Brown.

**Robert B. Rothal** (1961), Professor/B.A., Wisconsin/M.A., Chicago/Ph.D., Michigan.

The Department of Philosophy offers courses on the fundamental problems and methods of philosophy, the classics of philosophical literature, and the major figures in the history of philosophy.

Philosophy courses fall into natural groups.

- A. Ethics and Society: 119, 121, 220, 231, 321, 322, 335, 343, 361, 545.
- B. Knowledge and Reality: 259, 319, 357, 555, 559, 565.
- C. History: 251, 252, 351, 353.
- D. Logic and Scientific Method: 115, 211, 311, 325, 523, 525, 527, 575.

Group A is useful preparation for careers in law and government. Group B is necessary for advanced work in philosophy. Group C relates philosophy to other humanistic disciplines and is vital to a liberal education. Group D provides knowledge and skills vital to careers in science and medicine.

Courses in formal logic (211, 311) carry Natural Sciences and Mathematics Area (NSM) credit. All other courses in philosophy carry Humanities Area (H) credit. (Students may not use courses from the same department toward satisfaction of both the NSM and the H portions of the all-University requirements.)

All courses under 300 and many higher level courses are open to students without previous training in philosophy. Prerequisites for other courses may be waived at the discretion of the instructor. Students are encouraged to begin work in philosophy by taking 111, 115, 119, 211, 251 or 252.

The department sponsors a philosophy club open to all undergraduates, regardless of major. Each year the department sponsors a number of lectures by distinguished scholars from other institutions. The department conducts an annual symposium on a topic of current research in philosophy.

## PHILOSOPHY MAJOR (Bachelor of Arts)

Required: 122 semester hours.

The **Philosophy Major** is recommended for students wishing a basic education in the liberal arts, students preparing for a career in law or government, and students contemplating graduate study in philosophy or a related discipline. Students who would like to major in philosophy but whose interests or career goals require substantial work in another field are encouraged to consider the option of a second major.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in Western Civilization (6 semester hours) and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

Philosophy 111, 119, 251, and 252 carry credit in the Foundations of Inquiry section of the Humanities area of the curriculum of the College of Arts and Sciences. Philosophy 115 carries credit in the Language, Reasoning, and Discourse section of the Learning Proficiencies area of the College curriculum.

### Major Requirements

1. PHI 211.
2. PHI 251 and 252.
3. 24-36 hours in philosophy courses above the 100 level, including at least 12 hours above the 200 level.

### Related Area Requirements

Cognate courses to be determined by departmental adviser where necessary.

### Electives

Electives sufficient to complete total semester hours required for degree.

### Philosophy Minor

The Philosophy Minor requires a minimum of 18 hours including PHI 251 and 252.

## Philosophy-PHI/courses

### Courses for Undergraduates

- 111 Introduction to Philosophy (3:3).** Discussion of the views and methods of major philosophers. Study of topics drawn from metaphysics and epistemology, such as the foundations and scope of human



- knowledge, personal identity, freedom and determinism and the mind-body problem. (H), (CFI).
- 115 Practical Reasoning (3:3).** An introduction to basic principles of reasoning and argumentation. Topics taken from syllogistic reasoning, probability, informal fallacies, the structural analysis of statements and scientific methods. (H), (CLR D).
- 119 Introduction to Ethics (3:3).** Fundamental questions of ethics, such as the nature of the distinction between good and evil, moral right and wrong, the foundation of moral judgments, relativism, absolutism, subjectivism and related topics. Readings from major figures in the history of ethics. (H), (CFI).
- 121 Contemporary Moral Problems (3:3).** Philosophical readings and discussion of such current topics as abortion, euthanasia, capital punishment, pornography and censorship, sexual morality, preferential hiring, environmental ethics, population control and the morality of war. (H).
- 201 Topics in Philosophy (3:3).** Variable content. May be repeated for credit with different topics. (H).
- 211 Introduction to Formal Logic (3:3).** Validity, consistency, implication and the formal analysis of language. Propositional logic and quantification theory. (NSM).
- 220 Medical Ethics (3:3).** Moral problems in medicine including the patient's right to know, the confidentiality of doctor-patient communications, informed consent and experimentation with human subjects, abortion, euthanasia, socialized medicine, medical and religious conflicts concerning blood transfusions and genetic engineering. (H).
- 231 Social and Political Philosophy (3:3).** Topics such as social freedom or liberty, coercion, human rights, justice and the basis of political authority. (H).
- 251 History of Ancient and Medieval Philosophy (3:3).** Selections from the pre-Socratics, Plato, Aristotle, the Sceptics, Stoics, Epicureans and major philosophers from St. Augustine to St. Thomas Aquinas. Special attention to the influences that earlier thinkers had on those who followed them. (H), (CFI).
- 252 History of Modern Philosophy (3:3).** A survey of Western philosophical thought in the seventeenth and eighteenth centuries, its historical background and its influences on subsequent intellectual developments. Readings from major figures of the period, such as Descartes, Locke, Berkeley, Leibniz, Spinoza, Hume and Kant. (H), (CFI).
- 259 Philosophy of Religion (3:3).** Arguments concerning God's existence, the problem of evil, God's foreknowledge and human freedom, the analysis of divine attributes, immortality and the soul. Same as Religious Studies 259. (H).
- 267 Existentialism (3:3).** An introduction to the fundamental ideas and concepts of existentialism. Readings from Kierkegaard, Heidegger, Sartre and others. (H).
- 311 Intermediate Formal Logic (3:3).** Quantification theory with completeness results, identity, functions, decidability and axiomatic methods. Pr. 211 or consent of instructor. (NSM).
- 319 Knowledge, Truth, and Belief (3:3).** Discussion of concepts central to an understanding of the nature of human knowledge, such as truth, evidence, certainty, intuition, perception, the reasonableness of belief, and the reliability theory of justification. (H).
- 321 Ethical Theory (3:3).** Analysis of the meaning of moral concepts such as *good*, *right*, *ought*, *duty* and of the nature of ethical argument. Attention to current theories in normative ethics. (H).
- 322 Philosophy of the Arts (3:3).** Philosophical problems concerning description, interpretation and evaluation of the visual, performing and literary arts, discussed generally and in relation to specific works of art. Readings in philosophy and art theory. (H).
- 325 Introduction to the Philosophy of Science (3:3).** Concepts important to an understanding of the nature and goals of research in the natural sciences, such as *observation*, *experiment*, *theory*, *law* and *explanation*. Philosophical problems about objectivity and conceptual change in science based on examples from the history of science. The nature of scientific knowledge. Pr. one course in logic, mathematics or natural science. (H).
- 330 Philosophy and Literature (3:3).** Basic philosophical issues in literature such as personal identity, the problem of evil, free will, ethical ideals, the nature of reality, truth in literature and reference to fictional objects. Major works of fiction will be studied for their philosophical content. (H).
- 335 Philosophy of Law (3:3).** Theories of the origin and justification of legal systems, our obligation to obey the law, justice, punishment and related issues. Readings from classical and contemporary sources. (H).
- 343 History of Western Ethics (3:3).** An exploration of major ethical perspectives in Western history. Students may repeat the course as topics change. No more than 6 hours of 343 may be used to satisfy major requirements. 343a. Ancient — The ethics of Greece, Israel, Early Christianity, Rome; 343b. —Medieval and Early Modern — The ethics of medieval Jewish, Muslim, and Christian philosophers, and major moral theories of the Renaissance and Reformation; 343c. 17th Century and Enlightenment — Ethical content and implication of scientific, religious, political, and philosophical revolutions; 343d. 19th Century — The ethics of Romanticism, Liberalism, Communism, Existentialism. Same as REL 343. (H).
- 348 Existentialism, Phenomenology and Structuralism (3:3).** Recent philosophical movements in France and Germany. The application of structuralist models to the human sciences. Post-structuralist developments such as Deconstruction and Hermeneutics. Selections from such writers as Husserl, Levi-Strauss, Foucault, Lacan, Althusser, Derrida, Gadamer and Ricoeur. (H).
- 351 Major Philosophers (3:3).** Systematic examination of the works of a major philosopher. May be repeated for credit with change in topic. (H).
- 353 Major Philosophies (3:3).** Systematic examination of a major historical movement in philosophy, such as rationalism, empiricism, positivism, materialism and



idealism. May be repeated for credit with different topic. (H).

- 357 Metaphysics (3:3).** Selected metaphysical issues such as personal identity and the immortality of the soul, freedom and determinism, the nature of space, time and substance, the problem of universals, forms of realism, and theory of reference. Pr. one course in philosophy. (H).
- 361 Ethical Issues in Business (3:3).** Ethical theory and its application to business: economic justice, corporate responsibility, self-regulation and government regulation, conflict of interest, investment policy, advertising, and environmental responsibility. (H).
- 401 Reading Course for Seniors (3:3).** Supervised reading and research for philosophy majors. Pr. consent of instructor.
- 402 Independent Study (3:3).** Pr. satisfaction of requirements for the major in philosophy and consent of instructor.

### Courses for Advanced Undergraduates and Graduates

- 523 Philosophy of Social and Behavioral Science (3:3).** Central issues in philosophy of social and behavioral science from Hume to the present: explanation, theory construction, methodology of the social sciences, the status of the sociology of knowledge. Pr. one course in social or behavioral science and one in philosophy or consent of instructor.
- 525 Philosophy of Physical Science (3:3).** Study of a major, current issue in the philosophy of science. Readings from major figures such as Karl Popper, Imre Lakatos, Paul Feyerabend, Larry Laudan, Thomas Kuhn, Dudley Shapere, Adolf Grunbaum, and Ian Hacking. Examples will be drawn from the modern history of the physical sciences. Pr. 325 and one course in physical science or consent of instructor.
- 527 Philosophy of Biological Science (3:3).** Examination of concepts of law, theory, explanation, evidence, classification and reduction using examples drawn from biology. Investigation of problems related to alternative conceptual systems and conceptual change in biology, the nature of the biological subject matter and the place of biology among the natural sciences. Pr. one course in biology and one in philosophy or consent of instructor.
- 545 Social Philosophy (3:3).** Topics from social, political and legal philosophy, such as property, justice, punishment, liberalism, conservatism and a study of such major figures as Hobbes, Rousseau and Marx. Pr. one course in philosophy or consent of instructor.
- 555 Epistemology (3:3).** Skepticism, the analysis of knowledge, confirmation and induction, a priori knowledge. Pr. 319 or consent of instructor.
- 559 Philosophy of Mind (3:3).** The mind-body problem, identity theories, functionalism, reductive and eliminative materialism, behavioral and causal theories of mind. Pr. one course in philosophy or consent of instructor.

- 565 Philosophy of Language (3:3).** Theories of truth, meaning and reference. The origin and nature of human language and its relations to animal and machine language. Pr. one course in philosophy or consent of instructor.
- 575 Advanced Logic (3:3).** Axiomatic first order quantification theory with completeness theorems. Numbers and sets. Paradoxes and type theory. Introduction to modal logic. Pr. 311 or consent of instructor.
- 590 Aesthetics (3:3).** Readings in the major philosophies of art: analysis of evaluative judgment and argument, the nature of aesthetic concepts, artistic truth, the art object, and the aesthetic experience. Pr. 322 or consent of instructor. (Formerly 690).

**Physical Biology — See Physics.**

**Physical Education — See Health, Physical Education, Recreation and Dance.**

### PHYSICAL THERAPY — Preprofessional Program

**Advisers:** **Laura G. Anderton**, Professor, Department of Biology/427 Life Sciences Bldg.  
**Linda N. Curtis**, Lecturer, Department of Biology/114 Life Sciences Bldg.  
**Charles M. Kelly**, Lecturer, Department of Biology 438 Life Sciences Bldg.

#### Two Year Plan

A two-year pre-physical therapy program is offered. This program is designed to prepare students for transfer at the end of their sophomore year to a school of physical therapy such as The University of North Carolina at Chapel Hill or East Carolina University. A bachelor's degree in physical therapy is then conferred by the university to which the student transfers. This short program requires careful planning of courses with a physical therapy adviser. The student is responsible for obtaining information and applications directly from the schools of physical therapy.

#### Courses for Two Year Plan

Freshman Year

First Semester	Credits
English 101	3
Chemistry 111, 111L	4
Mathematics 191	3
Biology 101	3
Western Civilization 101	3
Physical Education	1
	<hr/>
Sem. Hrs.	17

Second Semester	Credits
English 102	3
Chemistry 114, 114L	4



Mathematics 292 or Statistics 108	3	(Required at ECU)
Biology 102	3	
Sociology 211	3	
Physical Education	1	
Sem. Hrs.	17	

**Summer School** — (UNC-CH requirement) 101 and 102 of the language studied in high school.

Sophomore Year

Third Semester	Credits
Psychology 221	3
Literature (English 105 or 106)	3
Physics 101	4
Biology 271	4
Anthropology 212	3
Sem. Hrs.	17

Fourth Semester	Credits
*Western Civilization 102	3
*Philosophy 111	3
Elective 1 (Psychology recommended)	3
Elective 2 (Physics 102 recommended)	4
Elective 3	3
Sem. Hrs.	16

COM. 112-Required at ECU)

\*Recommended substitute courses are possible.

Note:

- Some of the above courses require prerequisites. Check with a pre-physical therapy adviser for further information such as recommended electives and recommended substitutions.
- In 1986, the language requirement at UNC-Chapel Hill will be increased to level 203 of the high school language or level 204 of a new foreign language.

### Three Year Plan

If a student does not meet the prerequisites for the above required courses, they might be taken over a three year period before transfer to a school or physical therapy.

### Four Year Plans

- Students who obtain a bachelor's degree here may qualify for admission to a school of physical therapy which offers a second bachelor's degree such as UNC-Chapel Hill and East Carolina University. In that case it is recommended that a student should major in one of the following: physical education, biology, child development, psychology, sociology. The courses required for entrance to the selected school of physical therapy are then taken here in place of electives.
- Students who obtain a bachelor's degree here may qualify for admission to a Certificate Program in Physical Therapy such as at Emory University and Hahnemann Medical College and Hospital of Philadelphia.
- After obtaining a bachelor's degree here, some students with a "B" or better average may qualify for

admission to a basic master's degree program. Duke University and The University of Alabama at Birmingham offer such a program. Students should obtain admission requirements directly from the school of physical therapy to which they plan to apply.

## Physics — Department of

(101 Petty Science Bldg./College of Arts and Sciences)

**Gaylord T. Hageseth** (1965), Professor and Head of Department/B.S., U.N.C. at Chapel Hill/M.S., Ph.D., Catholic University of America.

**Clifton Bob Clark** (1965), Professor/B.A., M.A., Arkansas/Ph.D., Maryland.

**Gregor G. Cleveland** (1975), Adjunct Associate Professor/B.S., Louisiana Tech/M.A., Ph.D., Rice.

**Stephen C. Danford** (1976), Associate Professor/B.A., Dartmouth/M.S., Ph.D., Yale.

**Suzanne M. Lea** (1977), Adjunct Associate Professor/B.A., Rice/M.S., Ohio State/Ph.D., Duke.

**Francis J. McCormack** (1967), Professor/B.S., Spring Hill College/Ph.D., Florida State.

**Gerald W. Melsner** (1970), Associate Professor/B.A., Hamilton College/Ph.D., California at Berkeley.

**Robert B. Mulr** (1966), Associate Professor/B.A., Maryville College/M.S., Ph.D., Tennessee.

**Richard T. Whitlock** (1967), Associate Professor/B.S., Capital/M.S., Ph.D., Western Reserve.

Physics has long been recognized as constituting the basis for study, research and understanding in all the natural sciences. The undergraduate major program seeks to provide the student with a broad and general background in all areas of physics. With this background, he should be able to readily adapt to the specialized requirements of a job in industry, as a teacher, or to the specialized graduate study in physics or a number of related fields. Opportunities are provided through electives to sample the concerns of many of these related fields.

The effort required for a non-scientist to understand our technological society is formidable, but essential if an educated man or woman is to intelligently understand and affect our natural surroundings. Recognizing this, the Department of Physics offers for the non-major, with no prerequisites, courses with an overview of physics as well as special interest courses dealing with topics of immediate concern (PHY 101, 102, 203, 209, 235, 305, 333 and 334).

The department also offers graduate programs at the master's degree level. Its faculty members are involved with graduate and, in some cases, undergraduate students in research in kinetic theory of gases and plasmas, theoretical lattice dynamics, biophysics, astronomy and astrophysics.

The building in which the Department of Physics is located houses a machine shop, teleprocessing terminal connected to a computer and auxiliary computing equipment. The department utilizes the largest telescope in the state for the purpose of teaching and research in the area of astronomy and astrophysics. The observatory houses a 32-inch reflecting telescope along with a low-light-level television system. This observatory is located in Alamance county about 30 miles from the campus.

## PHYSICS MAJOR (Bachelor of Arts and Bachelor of Science)

Required: 122 semester hours.

The **Physics Major** is a firm basis for a career in medicine, law, business, sales, engineering, teaching, computing, biophysics, environmental science or physics.

Students who elect physics as a major need to complete PHY 291, 292 and MAT 293 no later than the end of their sophomore year. Freshmen who declare physics as a major are strongly advised to take PHY 291 and MAT 292 their first semester. If the freshman student is not prepared to take calculus his first semester, the student is advised to take MAT 121 or 119 (depending upon his background) and CHE 111 and 114 instead of PHY 291, 292 during the first year. Any student who desires to major in physics should contact the head of the department as soon as possible so a proper schedule can be planned.

Students seeking **teacher certification** should see Teacher Education Chapter.

## Bachelor of Arts

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in Western Civilization (6 semester hours) and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

### Major Requirements & Related Area Requirements

24-36 semester hours in physics above the 100 level and at least a 2.0 Q.P.A. for the required physics courses.

### Core Courses for Physics Major

Courses ordinarily required for the physics major:

1. PHY 207, 208, 291, 292, 303, 307, 308, 322, 323, 324, 421 and 505.
2. Related Areas: CHE 111, 111L, 114, 114L; MAT 191, 292, CSC 137; MAT 293, 390.

### Electives

Electives sufficient to complete total semester hours required for degree.

## Bachelor of Science

Requirements are the same as above except that a maximum of 42 semester hours in physics may be counted toward the degree. PHY 550 is required.

## Physics Minor

A minimum of 15 semester hours in physics courses is to be planned in consultation with a physics faculty member. The usual physics minor program will consist of PHY 291, 292 and at least 7 semester hours of additional courses (excluding PHY 203, 209, 235, 305, 333 and 334). Other quite different programs may be fitted to the individual student's interests and objectives.

# Physics-PHY/courses

## Courses for Undergraduates

- 101, 102 General Physics I, II (4:3:3), (4:3:3).** Introduction of laws and properties of matter, sound, heat, optics, electricity and magnetism. Algebra and trigonometry used in development of this material. 101 pr. for 102. No student may receive credit for 101 or 102 if credit has previously been earned for 291 or 292. (NSM), (CPS).
- 203 Conceptual Astronomy (3:3).** Introduction to astronomy. Knowledge gained of day and night sky by use of binoculars, telescopes and other simple instruments and how to observe and measure properties of astronomical objects. Basic concepts of solar system, stellar evolution and cosmology. (Formerly 135). (NSM), (CPS).
- 207 Modern Physics Laboratory (1:0:3).** Performance of atomic, nuclear and solid state physics experiments and analysis of data in a quantitative and scientific manner. Simple computer programs used to study the concepts of error and least-square-fit techniques. Pr. 292 or 101, 102 with permission of instructor). (NSM).
- 208 Classical Physics Laboratory (1:0:3).** Performance of experiments emphasizing concepts of classical physics. Topics include force, energy, resonance and relaxation. Pr. 292 (or 101, 102 with permission of instructor). (NSM).
- 209 Astronomy: The Solar System (3:3).** An introductory study of the solar system. The sun and planets will be studied with special attention given to the results of recent planetary exploration. The course will include telescopic and naked-eye observations of the constellations and planets. 209 is intended to complement 235, although each course is independent of the other. No science or math background beyond the level of high school algebra is required. (NSM), (CPS).
- 235 Astronomy: The Universe (3:3).** An introduction to stars, galaxies and cosmology. The course will emphasize a conceptual approach to such topics as the evolution of stars, the formation of galaxies, interstellar communication and the Big Bang. Sky observations utilizing the UNC-G telescopes will be included. 235 is intended to complement 209, although each course is independent of the other. No science or math background beyond the level of high school algebra is required. (NSM), (CPS).
- 291 General Physics I with Calculus (4:3:3).** Basic principles of mechanics, heat and sound will be



- developing using the calculus. 291 together with 292 constitute a one year general physics course utilizing calculus and including laboratory experiences. Pr. MAT 191, co. MAT 292. No student may receive credit for this course if credit has previously been earned for 101. (NSM), (CPS).
- 291P, 292P** **Physics Problems I, II (1:1), (1:1).** Problem-solving sessions devoted to increasing the skills needed to solve problems students normally encounter in 291 and 292. Co. 291 and 292.
- 292** **General Physics II with Calculus (4:3:3).** Introduction to the basic principles of electricity and magnetism and optics, presented in terms of both classical and modern physics topics. 291 together with 292 constitute a one year general physics course utilizing calculus and including laboratory experiences. Pr. 291 or permission of instructor, co. MAT 293. No student may receive credit for this course if credit has previously been earned for 102. (NSM), (CPS).
- 303** **Introduction to Modern Physics (3:3).** Fundamental concepts of atomic, molecular, nuclear and solid state physics from quantum-mechanical and special relativity points of view. Topics include special relativity, wave-particle dualism, Schrodinger equation, hydrogen atom, atomic spectra, nuclear structure, radioactivity, nuclear reactions and molecular and solid state physics. Pr. 292 (or 101, 102 with permission of instructor). (NSM).
- 305** **Conceptual Physics (4:3:3).** Introduction to the basic laws of physics is made by extensive use of demonstrations. The labs use the discovery approach. Concepts are emphasized and mathematical manipulations are held to a minimum. No student may receive credit for this course if credit has previously been earned for 101, 102, 291 or 292. (NSM), (CPS).
- 307** **Electricity and Magnetism Laboratory (1:0:3).** Performance of electricity and magnetism and electronic experiments with analysis of these basic phenomena as applied to research laboratory. Pr. 207, 208 or permission of instructor. (NSM).
- 308** **Optics Laboratory (1:0:3).** Performance of geometrical and physical optics experiments with both microwaves and visible light. Pr. 207, 208 or permission of instructor. (NSM).
- 322** **Electricity and Magnetism I (3:3).** A study, developing and using techniques of vector algebra and calculus, of topics in the theory of static electric and magnetic fields including the divergence and Stokes' theorems and the law of Gauss, Biot-Savart and Ampere. Application to the properties of conductors, dielectric and magnetic materials. Pr. 292 and MAT 293. (NSM).
- 323** **Thermal Physics (3:3).** Properties of matter developed by combining thermodynamic reasoning with molecular theory. Pr. 292 (or 101, 102 with permission of instructor). (NSM).
- 324** **Mechanics (3:3).** Mathematical treatment of classical kinematics and dynamics of a particle in a uniform field, in oscillatory motion and simple motions of systems of particles. Analytical and numerical techniques of problem solution stressed. Pr. 101, 102 or 292; co. MAT 293 or consent of instructor. (NSM).
- 331, 332** **Experimental Physics (1:0:3), (1:0:3).** Advanced courses in laboratory techniques as involved in special laboratory problems. Pr. two advanced courses in physics which are being taken concurrently or have been completed. (NSM).
- 333** **Selected Topics (1 to 3).** Primarily intended for those who are not physical science majors. Topics vary with instructor and with semester. Contemporary topics may include subjects such as analysis of physical resources, their inherent energy limitations and new sources of energy (such as solar, geothermal, etc.); development and adaptation of nuclear energy to electric power plants and armaments systems and the ensuing environmental and political problems; ideas involved in special relativity, cosmology and quantum mechanics for those with little mathematical background; importance of understanding physical laws in development of art, music and architecture; relationship between physical laws and communications. No previous science course required. Interested students should inquire at Physics Department office for further details. Selected topics for science majors may also be given upon request.
- 334** **Energy Options and the Environment (3:3).** A course dealing with the energy dilemma facing the U.S. Fundamentals of fission and fusion will be discussed and military and commercial uses of nuclear energy will be analyzed. Risks and benefits of fossil fuel use, extent and uses of geothermal energy, basic elements of wind energy and feasibility of biomass use will be studied. Passive and active solar energy fundamentals and techniques will be studied and demonstrated. (NSM).
- 375** **Science of Nuclear Weapons/Arms Control (3:3).** Principles of nuclear weapons, strategies of their use. The science of weapons, effects, arms control efforts and problems. Pr. MAT 119 or equivalent.
- 421** **Optics (3:3).** Analytical treatment of geometrical optics (thin and thick lenses, image formation, theory of optical instruments) and physical optics (electromagnetic waves, interference, polarization, diffraction, optical properties of materials). Pr. 322 or permission of instructor.
- 493-494** **Honors Work (3:3)-(3:3).**

## Courses for Advanced Undergraduates and Graduates

- 500** **Seminar (1 to 3).** Selected topics of current interest in physics. Pr. 322, 324.
- 501a,b** **Conceptual Physics for Teachers (3:3), (3:3).** Introduction to the basic laws of physics is made by extensive use of demonstrations. Concepts are emphasized, and mathematical manipulation is minimal. Teaching materials and strategies are developed. Credit is not applicable to M.S. degree in physics.
- 502** **Topics in Biophysics (3:3).** Introduction to biomechanics, bioenergetics, physical modeling of



living systems, light and vision, sound and hearing, nerve, muscle, circulation and biophysical research techniques. Pr. 102 or 292 and BIO 101, 102 or consent of instructor.

- 505 Electricity and Magnetism II (3:3).** A continuation of 322. A study of the properties of time varying electric and magnetic fields, including Faraday's law, and the development of Maxwell's equations. Applications to alternating current circuit theory, electromagnetic waves and radiation. Pr. 322.
- 507 Analytical Mechanics (3:3).** Extension of classical laws of particle motion to treatment of general motion of a rigid body, noninertial reference frames, introduction to generalized coordinates, normal coordinates, introduction to topics and techniques based on calculus of variations. Pr. 324, MAT 390.
- 509 Astrophysics (3:3).** An introduction to the study of the physics of the universe. Emphasis will be given to the structure and evolution of stars and galaxies as gleaned from observations and as predicted by current theories. Cosmological models will be studied in some detail, as well as the interstellar medium. Pr. 291, 292, 303, 322.
- 535 Electronics for Scientists (3:2:3).** Introduction to integrated circuits; digital logic and linear devices. Electronic circuits useful for measurement, signal processing and control. Course especially designed to meet needs of experimental scientist. Pr. permission of instructor or head of student's major department.
- 536 Microcomputer Interfacing for Scientists (3:2:3).** Methods and techniques of electronic connection between computer and other devices and on programming methods to facilitate use of the computer as a laboratory instrument. Assembly language used primarily. Pr. permission of instructor.
- 550 Modern Physics with Quantum Mechanics (3:3).** Study of Modern Theories of Matter by applying quantum mechanics to atomic, molecular, nuclear and solid state systems. Pr. 303 and 322.

## Courses for Graduates

- 601a Basic Concepts in Physics (3:3).**
- 601b Selected Topics In Physics (3:3).**
- 602a,b Modern Physics for Teachers (3:3), (3:3).**
- 603 Laboratory for Teachers of Physical Science (1 to 3).**
- 621 Introduction to Quantum Mechanics (3:3).**
- 622 Quantum Mechanics (3:3).**
- 623 Classical Dynamics (3:3).**
- 624 Introduction to Theoretical Physics (3:3).**
- 625 Electrodynamics (3:3).**
- 626 Statistical Physics (3:3).**
- 631, 632 Introduction to Solid State Physics (3:3), (3:3).**
- 640 Introduction to Nuclear Physics (3:3).**
- 695 Individual Study (1 to 3).**
- 699a,b Thesis (3), (3).**
- 800 Graduate Registration.**
- 801 Graduate Registration.**

## Political Science — Department of

(237 Graham Bldg./College of Arts and Sciences)

- David M. Olson** (1971), Professor and Head of Department/B.A., M.A., Ph.D., California at Berkeley.
- E. Lee Bernick** (1979), Associate Professor/B.A., M.A., Ph.D., Oklahoma. Leave of absence, first semester 1984-85.
- James Clotfelter** (1977), Professor/B.A., U.N.C. at Chapel Hill/M.A., Wisconsin/Ph.D., U.N.C. at Chapel Hill.
- Charles D. Hounshell** (1972), Professor/B.A., Emory and Henry College/Ph.D., Virginia.
- Margaret A. Hunt** (1961), Associate Professor/B.A., Michigan State/M.A., Ph.D., U.N.C. at Chapel Hill.
- Edward J. Kitchen** (1984), Visiting Lecturer/B.A., M.P.A., U.N.C. at Chapel Hill. Part-time, first semester 1984-85.
- B. David Meyers** (1970), Associate Professor/B.A., SUNY at Binghamton/M.A., Boston/Ph.D., U.C.L.A.
- L. Richardson Preyer** (1985), Visiting Distinguished Professor/A.B., Princeton/LL.B., Harvard. Second semester 1984-85.
- Charles L. Prysby** (1971), Associate Professor/B.S., Illinois Institute of Technology/Ph.D., Michigan State.
- Jerrett J. Pubantz** (1984), Visiting Assistant Professor/B.S.F.S., Georgetown/M.A., Ph.D., Duke. Part-time, first semester 1984-85.
- Carmlne Scavo** (1984), Visiting Lecturer/B.A., Virginia. Part-time.
- Alvin J. Schexnider** (1984), Adjunct Associate Professor and Assistant Vice Chancellor for Academic Affairs, Enrollment and Outreach/B.A., Grambling/M.A., Ph.D., Northwestern.
- Renata Siemlenska-Zochowska** (1985), Visiting Associate Professor/M.A., Ph.D., Jagiellonian. Second semester 1984-85.
- James H. Svava** (1972), Associate Professor/B.A., Kentucky/M.A., Ph.D., Yale. Leave of absence, first semester 1984-85.
- James Clay Thompson** (1976), Associate Professor/B.A., Wisconsin/M.A., American/Ph.D., Michigan.

Political science includes the study of the government, politics and policies of American and foreign nations; of all levels of government within those nations, such as city and state; and of relationships among nations.

All 100- and 200-level courses are introductions to the study of political science. The beginning student is urged to take any 100- or 200-level course in which he may be interested.

Students seeking electives in political science may elect from the entire range of offerings. Non-majors are urged to select their electives widely to satisfy individual intellectual interests and are not restricted to 100- and 200-level courses.

Internships and field experience are available to both majors and non-majors in urban politics, public administration and practical politics. These courses are offered in both the academic year and during the summer.

Students seeking **teacher certification** should see Teacher Education Chapter.

## POLITICAL SCIENCE MAJOR (Bachelor of Arts)

Required: 122 semester hours.

The **Political Science Major** is suitable for students with



career interests in law, participation in electoral politics or governmental service (at local, state or federal levels), as well as for students who have more general intellectual interests in government, politics and international relations as part of their effort to obtain a liberal education.

Students should take a broad variety of courses in the major to become familiar with the diversity of topics and methods used by contemporary political scientists throughout the world. Majors should consult early with their faculty advisers to plan programs most suitable to their individual interest and needs.

**The Public Administration Concentration** provides preparation for persons interested in a career in governmental or non-profit service agencies. The program includes management functions in public agencies, governmental structure and process, techniques used in administration, and field experience. Students are recommended to develop competencies and theoretical understanding from courses relevant to Public Administration in other disciplines as well.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in Western Civilization (6 semester hours) and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

### Major Requirements

30-36 semester hours in political science above the 100 level, including PSC 200 and 240; 210 or 223; 250 or 260. At least 15 semester hours must be at 300 level or higher.

#### Public Administration Concentration

1. Required courses: PSC 200, 210, 240, 310, 250 or 260 (15 hours).
2. At least 5 courses from 223, 301, 314, 316, 322, 324, 325, 328, 333, 334, 399, 503, 510, 511, 512, 515, 516, 520, 530, 535, 580.
3. Electives selected in consultation with adviser from courses such as: ACC 201, 202; MGT 310, 312; COM 105, 514; ECO 201, 202; PSY 314; SWK 215, 310, 312, 351, 530; SOC 317, 551.

#### Related Area Requirements

No specific courses required.

#### Electives

Courses in other social sciences are recommended. Electives sufficient to complete total semester hours required for degree.

### Political Science Minor

A student may minor in political science by taking at least 15 hours of course work above the 100 level. The student should

select from the full range of course offerings to best suit his own intellectual and career interests.

## Political Science-PSC/ courses

### Introductory Courses

- 105 Political issues (3:3).** Introduction to the basic issues, concepts and approaches used to study political institutions and behavior. Emphasis on fundamental aspects of politics in general. (SBS), (CSBS).
- 200 American Politics (3:3).** Organization and behavior of the institutions, groups and persons in American national government and politics. Emphasis varies by instructor and semester. An introductory level course. (SBS), (CSBS).
- 210 Introduction to Public Policy (3:3).** Problems of public policy and administration with emphasis on analysis of decision-making in governmental organizations. Clotfelter, Bernick, Svara. (SBS), (CSBS).
- 223 City Politics (3:3).** Examination of political behavior, processes and institutions in city as a special focus for study of politics and government in United States. Discussion and readings directed to current developments in Greensboro and other American cities. An introductory level course. Svara. (SBS), (CSBS).
- 240 The International System (3:3).** Introduction to international politics focusing upon major changes in the international system since 1945. An introductory level course. Myers. (SBS), (CSBS).
- 250 Democratic Political Systems (3:3).** Comparative examination of political institutions and behavior in selected democratic nations, with emphasis on major Western European nations. An introductory level course. Prysby, Olson. (SBS), (CSBS).
- 260 Communist Political Systems (3:3).** Political traditions, cultures and institutions of Communist systems with particular emphasis on Soviet Union and Eastern Europe. An introductory level course. (SBS), (CSBS).

### Courses for Juniors and Seniors

- 300 Experimental Course:** Special course in selected topic of special interest. May be repeated for credit when topics vary.
- 301 Research Methods in Political Science (3:3).** Basic principles of research in political science. Focus on testing of empirical propositions, with particular emphasis on survey research methods and on data analysis and interpretation. No statistical knowledge required. Non-majors interested in taking the course should secure the consent of instructor. Prysby. (SBS).
- 305 The Individual in Politics (3:3).** Introduction to the development of individual political attitudes and their relationship to political behavior. Topics include the



- psychology of political leaders, the belief systems of mass publics and the development of distinct political cultures. Emphasis on the range of political participation, from voting behavior to extremism and violence. (SBS).
- 306 Politics of the Future (3:3).** Analysis of contemporary trends and future alternatives for existing political systems. Consideration of policy problems such as energy, environment and population, and their impact upon political institutions and processes within a variety of countries and consequences for international politics. (SBS).
- 310 Public Administration (3:3).** Major concepts in administration of public bureaucracies, including comparative administration, organization theory, budgeting, public personnel and decision-making. Bernick, Thompson. (SBS).
- 314 Directed Research in Public Administration (3:2:6).** Analysis of contemporary research in public administration with emphasis on policy implementation. Theories, methods and findings of recent research presented. Instructor directs student research on selected topics. Pr. consent of instructor; 223 or 310 recommended.
- 316 Introduction to Law (3:3).** Survey of development of common law, civil and criminal court procedures, legal reasoning, use of precedent and introduction to the case study method. Emphasis on law as instrument of social change, legal institutions and processes and constitutional law. Pr. junior standing or consent of instructor. Hunt. (SBS).
- 317 Law Enforcement and Criminal Justice Administration (3:3).** Emphasized political role and interaction of police, courts, correctional and community service agencies in administering criminal justice. Pr. consent of instructor or 316. (SBS).
- 318 Constitutional Law (3:3).** Leading principles and practices of Supreme Court decision-making with emphasis on interplay of social and political factors. Pr. junior standing or consent of instructor. Hunt.
- 322 American State Politics (3:3).** Comparison of political behavior and institutions among the 50 American states. Bernick, Olson. (SBS).
- 324 Urban Administration (3:3).** Special characteristics and problems of implementing urban policies and managing municipalities and other local governments and non-profit service agencies. The role of the city manager and other professional administrators. Svara. (SBS).
- 325 Topics in Urban Politics (3:3).** In-depth study of a specific topic in government, politics and policy of the city. Students may repeat the course but not the same topic. 325a. Leadership in the City; 325b. Urban Parties and Elections; 325c. Metropolitan Reorganization; 325d. Power Structure and Community Organization; 325e. Workshop in Government. Pr. consent of instructor. (SBS).
- 327 American Political Parties (3:3).** Party development and organization, campaigns and elections, political machines. Hunt, Prysby. (SBS).
- 328 North Carolina and Southern Politics (3:3).** Examination of contemporary political and governmental developments in the American South. Particular attention to North Carolina politics and government. Clotfelter. (SBS).
- 329 American Political Movements (3:3).** An examination of recent American political movements. Emphasis on their ideologies, their tactics and their effect on public policy. (SBS).
- 330, 331 Workshop in Practical Politics (3:2:6), (3:2:6).** Analysis of electoral campaign strategies by party and candidate through actual participation in campaigns and by writing of case studies based on student campaign participation. Spring semester in even numbered years covers primary elections; fall semester concentrates on general elections. Either semester may be taken independently. Offered only during election years. Pr. consent of instructor; 327 or 328 recommended. Olson, Svara. (SBS).
- 332 Elections and Voting (3:3).** Analysis of influences on voting behavior and of the relationship among voting behavior, elections and the political process as a whole, with emphasis on contemporary U.S. presidential elections. Prysby. (SBS).
- 333 Congress and Legislatures (3:3).** Examination of contemporary legislative bodies—Congress, state legislatures and foreign parliaments. Attention given to their internal organization and politics and to their relationship to their Chief Executive. Olson. (SBS).
- 334 The American Presidency (3:3).** Examination of the contemporary American presidency. Attention will be given to the multiple roles of the President, to the rise of the Presidency in American government and politics and to the implications of a powerful Presidency for democratic government. Thompson, Olson. (SBS).
- 335 Women in Politics (3:3).** Relationship of women to political process with particular emphasis on women's political socialization, patterns of political participation and leadership selection. Hunt. (SBS).
- 336 Women and the Law (3:3).** An analysis of American laws affecting women with emphasis on the impact of existing law on contemporary social and political issues. (SBS).
- 340 International Politics (3:3).** Analysis of the Nation State; the Cold War; problems of underdevelopment and problems of regionalism. (SBS).
- 341 International Organization (3:3).** Role of United Nations and other major organizations in contemporary international system. Meyers. (SBS).
- 342 American Foreign Policy (3:3).** Analysis of the decision-making process concerning formulation and execution of American foreign policy. Meyers. (SBS).
- 343 Comparative Foreign Policy (3:3).** Comparative analysis of foreign policy, with emphasis on major nation states, particularly the U.S.-Soviet relationship. (SBS).
- 344 International Law (3:3).** Nature of international law and its role in contemporary international politics. Hounshell. (SBS).
- 345 National Security Policy (3:3).** Development of national security policy and the role of military forces



- in the United States and selected other nations. Clotfelter. (SBS).
- 346 Soviet Foreign Policy (3:3).** Analysis of the development and implementation of current Soviet foreign policy, with an emphasis on contemporary issues. (SBS).
- 355 Selected Topics in Comparative Politics (3:3).** Cross-national examination of specific topic in political organization and behavior. Students may repeat course but not same topic. 355a. Political Violence; 355b. Political Parties; 355c. Politics of Development; 355d. Politics of Industrial Societies; 355e. Legislative Process; 355f. Politics of the Future; 355g. Political Ideologies. (SBS).
- 361 European Communist Systems (3:3).** Analysis of patterns of political power in European nations ruled by Communist parties, including an examination of the development of political liberalization, dissent and intra-bloc relations. (SBS).
- 381 Latin American Political Systems (3:3).** Political institutions and behavior in Latin America, with particular emphasis on relationship between political change and socio-economic modernization. Prysby. (SBS).
- 391 African Political Systems (3:3).** Political institutions and problems of independent states and department territories of Africa. Emphasis on different responses to common problems of attaining independence, nation-building and development. Meyers. (SBS).
- 399 Public Affairs Internship (1 to 3).** Field learning experience in governmental agencies and private organizations involved in the political process. Academic supervision provided by faculty adviser and direction in field provided by job supervisor. A written report on a substantive topic related to the internship is required. Students may repeat the course. Pr. consent of instructor. (SBS).
- 401, 402 Individual Study (1 to 3), (1 to 3).** Reading or research. Available to qualified students upon recommendation of an instructor.
- 493-494 Honors Work (3:3)-(3:3).**
- 510 Topics in Public Policy (1 to 3).** Intensive analysis of a major area of public policy. Examination of the sources of policymaking, the policy-making process and the impact of policy. Students may repeat the course but not the same topic. 510a. Politics of Education; 510b. Criminal Justice; 510c. Labor Relations; 510d. Foreign and Defense Policy; 510e. Environmental Policy; 510f. Urban Development Policy; 510g. Health and Social Policy; 510h. Global Challenges; 510i. Press and Politics; 510j. Politics of Industrial Policy. Pr. consent of instructor.
- 511 Problems in Public Management (1).** Intensive examination of important current problems related to the management of public institutions. Students may repeat the course when topics vary up to a limit of three credit hours. Pr. consent of instructor.
- 512 Federalism and Inter-Governmental Relations (3:3).** Focuses on changing relationships of local-state-federal agencies, expanding role of regional planning boards and recent developments in sharing of federal tax revenue with non-national governments. Pr. consent of instructor or 200, 210, or 310; or graduate standing.
- 514 Urban Service Evaluation (3:3).** Political, legal and environmental issues associated with measurement of municipal services, including police and fire protection, education, streets and highways and location of water and sewer extensions. Emphasis on social science research problems in effective evaluation of urban services. Research proposal, computer-assisted analysis and oral presentation may be required. Pr. consent of instructor for nonpolitical science advanced undergraduate and graduate students.
- 515 Public Personnel Management (3:3).** Employment practices as applied in the public sector including: merit and merit systems, position management, equal employment opportunity and affirmative action, unionization, collective bargaining, employee rights and representative bureaucracy. Bernick.
- 516 Administrative Law (3:3).** A study of the law concerning the powers and procedures of public administrative agencies, including the law governing judicial review of administrative action. Pr. 200 or approval of instructor. Hounshell.
- 520 Urban Political System (3:3).** Examination of major topics in the study of urban government and policy. The systems approach will provide an analytic framework for interrelating specific topics such as citizen participation, interest groups, parties, types of elections, forms of government, community power and administration. Pr. 223 or 324 or consent of instructor. Svava, Byman.
- 521 Politics of Metropolitan Reorganization (3:3).** Government and politics in metropolitan areas; approaches to partial or complete reorganization of governmental structure; the political issues involved in such change. Annexation, city-county consolidation, urban counties, functional consolidation, special districts and regional councils of governments are among the approaches covered. Pr. consent of instructor. Svava.

## Courses for Advanced Undergraduates and Graduates

- 501 Selected Topics in Political Science (1 to 3).** Opportunity for advanced students to study in depth a topic of special interest. May be repeated for credit when topics vary. Pr. major in political science or consent of instructor.
- 503 Survey Methods for Policy Research (3:3).** Theoretical and practical issues involved in designing and using sample surveys for political and policy research. Emphasis on survey methods used by the government and others in the public sector. Prysby.
- 505 Problems in Politics (3:3).** Seminar in research and study in political science. Attention also on problems of methodology and alternative conceptions of field of political science as a scholarly discipline.



- 523 Ethnic Politics and Urban Policy (3:3).** Survey of continuing policy conflicts between ethnic, race and class groups in metropolitan areas. Emphasis on completing arguments, interests represented and the implications of alternative policies. Pr. for undergraduate students, previous work in political science or consent of instructor.
- 529 Civil Liberties and the Judicial Process (3:3).** Supreme Court decision-making in civil liberties and civil rights with emphasis on interplay of social and political factors. Hunt.
- 530 Administrative and Elected Leadership (3:3).** Recruitment, selection and roles of executives and legislators; organization and activities of the offices; and relationships among executive offices, administrative offices and legislative bodies. Pr. consent of instructor. Olson.
- 535 Citizen Participation in Policy-Making (3:3).** Political participation and citizen involvement in governmental policy-making. Both citizen initiated and government sponsored efforts to increase popular input will be analyzed. Assessment of the impact of citizen participation on policy-making in specific areas of policy and on the performance of government in general. Pr. consent of instructor. Svava.
- 550 Survey of Regional Politics (3:3).** Survey of political problems and processes in international regions, intended primarily for teachers and education majors seeking an introduction to selected geographic areas of the world. Students may repeat course but not same topic. 550a. Africa; 550b. Asia; 550c. Eastern Europe and the Soviet Union.
- 580 Political Change and Public Policy (3:3).** Potential socio-economic and political consequences of contemporary societal policies, including the examination of policy options and planning processes.

## Courses for Graduates

- 600 Public Administration and Management (3:3).**
- 601 Politics of Public Policy (3:3).**
- 602 Quantitative Political Analysis (3:3).**
- 610 Public Policy Analysis (3:3).**
- 612 Organizational Behavior (3:3).**
- 613 Local Government Administration (3:3).**
- 614 Budgeting and Fiscal Administration (3:3).**
- 615 Public Personnel: Development and Evaluation (3:3).**
- 620 Research Seminar in Urban Policy (3:3).**
- 630 Research Seminar in American Politics (3:3).**
- 635 Political Ideologies and Political Movements (3:3).**
- 650 Research Seminar in Comparative Public Policies (3:3).**
- 690 Public Affairs Seminar (3:3).**
- 695 Public Affairs Internship (3 to 6).**
- 696 Directed Field Research (3 to 6).**
- 697, 698 Special Problems in Political Science (1 to 3), (1 to 3).**
- 699 Thesis (3 to 6).**

- 800 Graduate Registration.**
- 801 Graduate Registration.**

**Population Studies — See**  
Interdepartmental Studies.

**Pre-Engineering — See Engineering.**

**Pre-Law — See Law.**

**Pre-Medicine, Pre-Dentistry, Pre-Veterinary Medicine — See**  
Medicine, Dentistry and Veterinary  
Medicine.

**Pre-Pharmacy — See Pharmacy.**

**Professional Physics — See Physics.**

## Psychology — Department of

(296 Life Sciences Building/College of Arts and Sciences)

- Gilbert Gottlieb** (1982), Excellence Foundation Professor and Head of Department/B.A., M.S., Miami/Ph.D., Duke.
- Jack I. Bardon** (1975), Excellence Foundation Professor, Department of Psychology and School of Education/B.A., Case Western Reserve/M.A., Ph.D., Pennsylvania.
- Janis Berle** (1981), Assistant Professor/B.A., Goucher College/M.A., Ph.D., Iowa. First semester 1984-85.
- Aaron J. Brownstein** (1968), Professor/B.A., City College of New York/M.A., Ph.D., Missouri.
- Anthony J. DeCasper** (1975), Associate Professor/B.A., Akron/M.A., Ph.D., Emory.
- Robert G. Eason** (1967), Rosenthal Excellence Fund Professor/B.A., M.A., Ph.D., Missouri.
- M. Russell Harter** (1968), Professor/B.A., M.A., San Diego State College/Ph.D., Arizona.
- Steven C. Hayes** (1976), Associate Professor/B.A., Loyola/M.A., Ph.D., West Virginia.
- R. Reed Hunt** (1977), Associate Professor/B.A., College of William and Mary in Virginia/M.A., Wake Forest/Ph.D., New Mexico.
- Timothy D. Johnston** (1982), Assistant Professor/B.Sc., Edinburgh/M.S., Wisconsin/Ph.D., Connecticut.
- Susan Keane** (1983), Assistant Professor/B.S., King's College/M.A., Fairleigh Dickinson/Ph.D., Purdue.
- P. Scott Lawrence** (1970), Associate Professor/B.S., Maryland/Ph.D., Arizona State.
- Robert E. Lickliter** (1983), Lecturer/B.S., M.S., Ph.D., California at Davis.
- Cheryl Logan** (1974), Associate Professor/B.A., S.M.U./Ph.D., California at San Diego.



- Ernest A. Lumsden Jr.** (1966), Professor/B.A., Richmond/Ph.D., Duke.
- Marc Marschark** (1980), Assistant Professor/B.A., Cornell/M.A., Ph.D., Western Ontario.
- Rosemary O. Nelson** (1971), Professor/B.S., St. Louis/Ph.D., SUNY at Stony Brook.
- Walter L. Salinger** (1972), Associate Professor/B.A., Houston/Ph.D., U.C.L.A.
- John J. Seta** (1976), Associate Professor/B.A., Manhattan College/M.A., Ph.D., Texas at Arlington.
- Richard L. Shull** (1969), Professor/B.A., Brown/Ph.D., Arizona State.
- David Soderquist** (1968), Associate Professor/B.S., M.S., Utah State/Ph.D., Vanderbilt.
- Ira Turkat** (1983), Assistant Professor/B.A., Vermont/M.S., Ph.D., Georgia.
- Henry H. Wells III** (1968), Professor/B.A., Duke/M.S., Ph.D., Yale.
- Jacquelyn G. White** (1971), Associate Professor/B.A., M.A., Ph.D., Kent State.

The Department of Psychology approaches its subject matter as a scientific discipline with emphasis placed on understanding behavior and cognition through experimentation and observation.

All of the major areas of specialization in psychology are represented among the interests of the departmental faculty. Physiological psychologists study the biological foundations of behavior. Experimental psychologists investigate problems related to learning, sensation and perception, personality, developmental, and social psychology. Behavior modification emphasizes the application of learning principles to clinical problems and other aspects of adult and child behavior.

To supplement reading and lecture material, some courses have laboratories where students can see the principles of behavior and psychological functioning in operation first hand. In addition to the B.A. program for undergraduates, the department offers training at both the M.A. and Ph.D. levels.

Students may take any 300- and 400-level psychology course for which they satisfy the stated prerequisites.

Students seeking **teacher certification** should see Teacher Education Chapter as well as below.

## PSYCHOLOGY MAJOR (Bachelor of Arts)

Required: 122 semester hours.

The **Psychology Major** provides a background for entry into a variety of professions other than psychology where understanding the principles of behavior and cognition is important. It also provides the necessary background for individuals planning to do graduate work in either basic or applied psychology.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in

Western Civilization (6 semester hours) and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

### Major Requirements

24-36 semester hours in psychology including: PSY 221 or 223; 310; either 341 or 347; either 326 or 342 or 345; either 425 or 450; either 451 or 452; either 453 or 454; and 515.

### Related Area Requirements

No specific courses required.

### Electives

Electives sufficient to complete total semester hours required for degree.

### Teacher Certification in Social Studies

Students majoring in psychology may elect to pursue teacher certification in Social Studies. Completion of this means of teacher certification will enable one to teach Social Studies curricula in the secondary schools as well as psychology courses. The requirements for completion of teacher certification in Social Studies are listed on page 00 of this catalog. The University, College, and departmental major requirements are the same as for any other psychology major; however, those intending to gain teacher certification are particularly encouraged to select Personality, Abnormal, and Social Psychology either as their choices among the required alternatives or as electives in the major. Furthermore, the student is encouraged to choose electives in Departments of Sociology, Philosophy, or Religious Studies that address human behavior and experiences from complementary or, perhaps, alternative perspectives.

### Psychology Minor

A student may earn a minor in psychology by completing a minimum of 15 hours in the department. The Department's Director of Undergraduate Studies will be glad to recommend courses appropriate to the student's interest.

## Psychology-PSY/courses

### Courses for Undergraduates

- 221 General Psychology (3:3).** Survey of psychology. Includes psychology as science, nervous system, growth and development, sensory and perceptual processes, motivation, emotion, learning, personality (normal and pathological), statistics, testing, intelligence, aptitudes and achievement. Students may not take both 221 and 223 for credit. (SBS), (CSBS).
- 223 Introduction to Psychology: Natural Science Perspective (3:3).** Topics include evolutionary and genetic factors, physiological processes, sensory



- processes, perception, learning, memory, motivation and emotion. The relation between research and theory is stressed. (NSM), (CLS).
- 223L Experimental Psychology Laboratory (1:2).** A laboratory/lecture introduction to methods of experimental psychology. Emphasizes formulating hypotheses, designing experiments, describing and interpreting data and writing reports. Pr. prior or concurrent enrollment in 223 or consent of instructor. (NSM), (CLS).
- 310 Statistics In Behavioral Science Research (3:3).** Moment and product-moment statistics; description and inference; estimating parameters and testing significance. Taught at introductory level. Requires knowledge of elementary algebra. Pr. STA 108. A student may not receive credit for STA 352, 371 or ECO 350 and PSY 310.
- 312 Psychology of Learning (3:3).** Principles of learning and their application to everyday human behavior. Analysis of learning situations involved in child-rearing, classroom teaching and deviant behavior. Pr. 221 or 223. (SBS).
- 314 Industrial and Organizational Psychology (3:3).** An introduction to industrial and organizational psychology with special emphasis on employee motivation, selection, training and organizational determinants of employee behavior. Pr. 221 or 223. Same as MGT 314.
- 320 Psychology of Animal Communication (3:3).** Survey of the strategies of non-human communication used by animals, the methods used for their study, and their bearing on human communication. Pr. one introductory course in a behavioral or biological science or consent of instructor.
- 326 Developmental Processes: Learning, Cognition and Perception (3:3).** Survey of development of children from infancy through adolescence, emphasizing developmental concepts, processes, experimental methodology and findings of research in the areas of learning, cognition and perception. Pr. 221 or 223. (SBS).
- 341 Abnormal Psychology (3:3).** Introduction to description, dynamics and modification of abnormal behavior, including neuroses, psychoses, character disorders and psychosomatic reactions. Pr. 221 or 223. (SBS).
- 342 Developmental Processes: Social, Personality and Motivation (3:3).** Survey of development and behavior of children from infancy through adolescence, emphasizing developmental concepts, processes, experimental methodology and findings of research in the areas of social, personality and motivation development. Pr. 221 or 223. (SBS).
- 345 Introduction to Personality (3:3).** Study of individual differences in behavior and of biological and social factors which produce these differences. Pr. 221 or 223. (SBS).
- 346 Sex, Gender, and Behavior (3:3).** Evaluation of effects of biological sex and gender role socialization on personality and behavior through examination of empirical research. Pr. 221 or 223. (SBS).
- 347 Dynamics of Social Behavior (3:3).** Study of social behavior. Covers attitudes, communication, perception of others, small group behavior. Pr. 221 or 223. (SBS).
- 361 Environmental Psychology (3:3).** Evaluation of research in environmental psychology. Content areas will include attitude change, crowding, the effect of an unpredictable environment, helping and helplessness. Pr. 221 or 223. (SBS).
- 410 The Psychology of Language (3:3).** Language comprehension and memory. Relationship between language and thought. Psychological questions considered from several different theoretical and methodological perspectives. Pr. 221 or 223.
- 412 Language and the Child (3:3).** Psychological issues, methodologies and findings in language development. Emphasis on language as an interactional learning device central to the development of cognition and knowledge of the world. Pr. 221 or 223 and 326, equivalents, or permission of instructor.
- 425 Animal Behavior (3:3).** Application of the theory of evolution to the explanation of animal behavior. Surveys a variety of species, addressing several behavioral categories as well as issues in sociobiology and human evolution. Pr. 221 or 223.
- 433, 434 Special Problems in Psychology (1 to 3), (1 to 3).** Opportunity for students to work individually or in small groups on psychological problems of special interest. Work may represent either survey of given field or intensive investigation of particular problem. Student should consult instructor before registering for this course. A paper or other formal evaluation will be required. Open to juniors and seniors with at least 9 hours of psychology.
- 437 Psychological Tests and Measurements (3:2:3).** Major principles of measurement of psychological attributes. Factors essential for reliable and valid measuring instrument. Fundamentals of testing in areas of achievement, personality, intelligence, attitudes and projective techniques. Experience in constructing, giving and evaluating tests provided in laboratory. Pr. 221 or 223 and 310.
- 440 Clinical Behavior Therapy (3:3).** The methodology and techniques of clinical behavior therapy are described. Also surveyed are their clinical applications, theoretical underpinnings, empirical support and current controversial issues. Pr. 341.
- 449 Motivation and Emotion (3:3).** History, data and theories concerning the nature and scientific status of motivational and emotional variables. The roles of physiological factors and learning will be stressed. Pr. 221 or 223.
- 450 Physiological Psychology (3:3).** Role of central and peripheral nervous systems, muscles and glands in mediation of behavior. Pr. 221 or 223 or BIO 101, 102.
- 451 Experimental Analysis of Operant Behavior (3:2:3).** Methodological and theoretical considerations of basic factors of generation, maintenance, extinction, differentiation, discrimination, generalization, chaining and motivation of operant behavior. Pr. 221 or 223.



- 452 Cognitive Psychology (3:2:3).** Processes involved in human learning, memory, problem solving and related performances; examination of typical experimental techniques, results and current theoretical accounts of these processes. Pr. 221 or 223.
- 453 Sensory Processes (3:2:3).** Sensory systems and how they receive and modify information about the external environment; the structures, function and phylogenetic development of eye, ear (including labyrinth), nose and organs of touch. Pr. 221 or 223.
- 454 Perceptual Processes (3:2:3).** Examination of perceptual processes of detection, discrimination and scaling of changes in visual and auditory stimulus input, as well as study of instances of perceptual stability. Pr. 221 or 223.
- 493-494 Honors Work (3)-(3).**

### Courses for Advanced Undergraduate and Graduates

- 502 Psychology of the Exceptional Child (3:3).** General survey of significant psychological problems characteristic of various classes of exceptional children. Especially designed to fit the needs of teachers in special education. Pr. 221 or 223 and consent of instructor. May not be taken by students who have credit for EDU 540.
- 503 Mental Deficiency (3:3).** Definitions, theories, classifications, etiology, diagnosis and psychotherapy in area of mental deficiency. Pr. 221 or 223 and consent of instructor.
- 504 Behavior Disorders in Children (3:3).** Clinical and experimental approaches to psychopathology of childhood. Etiology and modification of deviant behavior in various age groups through adolescence. Pr. 326, 342 or consent of instructor.
- 505 Behavior Principles: Foundation and Applications (3:3).** Foundation course in principles of behavior that form basics for current applications to educational and counseling technology. Recommended for students in education, child development, counseling, speech, sociology, physical education, nursing. Pr. 221 or 223 or consent of instructor.
- 515 History and Systems of Psychology (3:3).** Discussion of prescientific thinking on psychological problems, origin of systems of psychology and ways systems are reflected in contemporary psychology. Pr. senior or graduate status with minimum of 12 hours of psychology, including 221 or 223 or consent of instructor.
- 524 Consumer Behavior (3:3).** Psychological and socio-economic factors affecting consumer motivation, behavior and buying decisions. Emphasis on current research on, and theory about, behavior of consumers as individuals and as members of socio-economic groups. Pr. 221 or 223 or MGT 312 or consent of instructor. Same as MGT 524.
- 525 Developmental Psychobiology (3:3).** Examination of current research and theory in behavioral

development in non-human animals. Topics include instinct theory, role of experience in development, and the relation between development and evolution of behavior. Pr. 425 or equivalent or permission of instructor.

- 535 Personnel Psychology (3:3).** Application of psychological methods and techniques to personnel work in business and industry: selection and training of employee, job evaluation and salary administration, performance appraisal, attitude-morale measurements. Pr. 221 or 223 or consent of instructor. Same as MGT 535.
- 540 Drugs and Behavior (3:3).** An introduction to the study of drug effects on brain and behavioral processes in normal and abnormal populations. Considers the implications of drug/behavior interactions for the physiological understanding of behavior. Pr. 450, 453, or consent of instructor.
- 550 Clinical Neuropsychology (3:3).** An introduction to the relationships between human brain function and behavior in normal and clinical populations. Pr. 450, 453, or consent of instructor.

### Courses for Graduates

- 601 Graduate Problems in Psychology (1 to 3).**
- 602 Seminar in Systematic Issues (3:3).**
- 604 Organizational Behavior in Management (3:3).**
- 608 Personality and Social Development (3:3).**
- 611 Experimental Design in the Behavioral Sciences (3:3).**
- 612 Psychological Perspectives on Language (3:3).**
- 614 Child Language: The Psychological Perspective (3:3).**
- 615 Introduction to Clinical Psychology (3:3).**
- 617 Behavior Theory (3:3).**
- 620 Principles of Clinical Assessment (3:3).**
- 621 Principles and Theory of Clinical Intervention (3:3).**
- 625 Advanced Animal Behavior (3:3).**
- 630 Instrumentation in Psychology (3:3).**
- 638 Assessment and Interventions in the School (3:3).**
- 640 Introductory Practicum in Clinical Assessment (3:3).**
- 641 Introductory Practicum in Clinical Intervention (3:3).**
- 642 Practicum in Clinical Intervention (1 to 6).**
- 643 Developmental Psychology (3:3).**
- 644 Human Behavioral Development (3:3).**
- 645 Cognitive Development (3:3).**
- 646 Theories of Personality (3:3).**
- 647 Advanced Social Psychology (3:3).**
- 649 Motivational Processes (3:3).**
- 650 Physiology of Sensory and Behavioral Processes (3:3).**
- 650L Physiological Psychology Laboratory (1:0:3).**
- 651 Experimental Analysis of Operant Behavior (3:2:3).**
- 652 Cognitive Processes (3:2:3).**
- 653 Sensory Processes (3:2:3).**
- 654 Perceptual Processes (3:2:3).**
- 655 Sensation and Perception (3:3).**

- 661 **Psychological Disorders in Children (3:3).**
- 662 **Psychological Disorders in Adults (3:3).**
- 665 **Seminar in Professional School Psychology (3:3).**
- 675 **Internship in School Psychology (1 to 6).**
- 683 **Contemporary Problems (3:3).**
- 699 **Thesis (6).**
- 751 **Independent Doctoral Research (1 to 6).**
- 762 **Internship in Clinical Psychology (1 to 12).**
- 763 **Externship in Clinical Psychology (1 to 12).**
- 799 **Doctoral Dissertation Research (12).**
- 800 **Graduate Registration.**
- 801 **Graduate Registration.**

**Recreation** — See Health, Physical Education, Recreation and Dance.

**Related Sciences** — See Home Economics.

### Religious Studies — Department of

(200 Foust Bldg./College of Arts and Sciences)

- Paul B. Courtright** (1976), Associate Professor and Head of Department/B.A., Grinnell College/M.Div., Yale/M.A., Ph.D., Princeton.
- Warren H. Ashby** (1949), Visiting Professor/B.A., Maryville College/B.D., Ph.D., Yale. Part-time.
- Jorunn J. Buckley** (1983), Assistant Professor/Cand. Mag., Oslo University/Cand. philol., Bergen University/Ph.D., Chicago.
- Thomas Buckley** (1985), Visiting Assistant Professor/A.B., Harvard/A.M., Ph.D., Chicago. Part-time, second semester 1984-85.
- Janet V. Gunn** (1979), Associate Professor/B.A., Gettysburg College/B.D., M.A., Chicago/Ph.D., Duke.
- Henry S. Levinson** (1982), Assistant Professor/B.A., Stanford/M.A., Ph.D., Princeton.
- Charles D. Orzech** (1982), Lecturer/B.A., Massachusetts/M.A., Chicago. Part-time.
- Mark R. Sillis** (1984), Lecturer/B.A., Greensboro College/M.Div., Duke/D.M., Wesley Theological Seminary. Part-time, first semester 1984-85.
- Mary K. Wakeman** (1973), Associate Professor/B.A., Cornell/M.A., Ph.D., Brandeis.

The Department of Religious Studies examines religious experience, thought, and action in their traditional and contemporary forms. The University committee which led to the formation of the department in 1971 urged that "the primary goal of our offering should be to show the relations between the forms of religious consciousness and the politics, economics, learning and art of the world." Accordingly, the present department has developed strengths in religion in America, religion and literature, and social ethics, biblical studies and the history of religions.

As appropriate to its setting in a state-supported public institution, the department pursues its inquiries on a

nonsectarian basis. It seeks to understand and evaluate religious structures and meanings in the context of the liberal arts, especially the humanities.

Most courses in the department meet the all-University Humanities area distribution requirement: four courses also meet the College Foundations of Inquiry area distribution requirements. All 100- and 200-level courses are introductions to the study of religion, and beginning students are encouraged to take any 100- and 200-level course in which they may be interested.

Students seeking electives in religious studies may choose from a wide variety of offerings. Most 300-level courses carry no prerequisites, and students are encouraged to select courses according to their individual interests.

The major and minor in religious studies offer integrated, interdisciplinary courses of study in the liberal arts, especially the humanities.

### RELIGIOUS STUDIES MAJOR (Bachelor of Arts)

Required: 122 semester hours.

**The Religious Studies Major** is recommended for students primarily interested in pursuing a liberal education, students preparing for a professional school in a field such as law or medicine, and students contemplating graduate work in religious studies. In addition, the department follows the recommendations of the American Association of Theological Schools in advising pre-theological students concerning their course of study.

Students who would like to major in religious studies but whose interests or career goals require substantial work in other fields are especially encouraged to consider the second major option.

#### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in Western Civilization (6 semester hours) and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

#### Major Requirements

24-36 semester hours in Religious Studies above the 100 level, including 410 (Religious Studies Colloquium), usually 411 (Senior Project), and at least one course from each of the following groups:

1. REL 201, 202, 204, 305.
2. REL 205, 210, 211, 221, 225, 231, 317, 351, 352.
3. REL 207, 222, 309, 315, 326, 331, 365.
4. REL 324, 333, 335, 343.



### Related Area Requirements

No specific courses required.

### Electives

Electives sufficient to complete total semester hours required for degree.

## Religious Studies Minor

The **Religious Studies Minor** complements majors in a variety of fields in the humanities and social sciences; for others it provides an integrated program in the liberal arts at the upper-class level. Requirements are flexible enough to permit students to select courses which develop and extend their individual interests. The minor consists of 18 semester hours (counting 100-level courses) including a distribution of courses from different faculty. Students should register for the religious studies minor in the Religious Studies Department office, 200 Foust Building.

## Religious Studies-REL/ courses

### Courses for Undergraduates

- 110 Introduction to Religious Studies (3:3).** Inquiry into meaning of religion through consideration of forms, patterns, categories, symbols and practices which characterize religious experience. (H), (CFI).
- 201 The Bible in Western Culture (3:3).** A study of significant themes and issues in the Bible and their expression in the religious literature and history of Europe and America. (H), (CFI).
- 202 Introduction to the Hebrew Scriptures (3:3).** Study of the Hebrew scriptures (the Old Testament) in historical, sociological and literary context. Wakeman. (H).
- 204 Introduction to the New Testament (3:3).** A study of the synoptic gospels (Matthew, Mark and Luke) and a brief introduction to the thought of Paul and the Gospel of John. Buckley. (H).
- 205 Non-Western Religions (3:3).** A comparative study of non-Western religions and their contributions to modern religious self-understanding, focusing critically and evaluatively on such patterns of expression as myth, ritual and social forms. (H), (CFI).
- 207 Modern Problems of Belief (3:3).** An exploration of ways in which God has been understood in the context of the eclipse of religion in Western culture from the Enlightenment to the present. (H), (CFI).
- 210 Christianity (3:3).** A study of classic Christian texts, symbols, rituals, and social movements. (H).
- 211 Hinduism (3:3).** Introduction to the Hindu religious tradition, its myths, rituals, music, social structure and philosophical thought. Courtright. (H).
- 215 Judaism (3:3).** Introductory study of Judaism, its history, texts, life, and thought.
- 221 Buddhism (3:3).** Introduction to the origin, development and impact of Buddhism in Asian cultures. The course will focus on religious doctrines, forms of community, religious practices, techniques, art and iconography and the implications of the Buddhist perspective for the contemporary world in both Asia and the West. Courtright. (H).
- 222 Religion and Death (3:3).** A study of attitudes toward death and dying in various religious cultures, including our own. Levinson. (H). (Formerly 322).
- 225 Islam (3:3).** An introduction to the origins of Islam and its development as a world religion focusing on doctrine, ritual practices, and community structures. Buckley. (H).
- 231 Religion in America (3:3).** A profile of the diverse religious traditions in America from Native American religions to the varieties of Christianity and Judaism and others. Levinson. (H).
- 259 Philosophy of Religion (3:3).** Arguments concerning God's existence, the problem of evil, God's foreknowledge and human freedom, the analysis of divine attributes, immortality and the soul. (H). Same as Philosophy 259.
- 305 Religions in the Early Christian World (3:3).** A study of Christian and non-Christian religious movements and religious themes in the early Christian centuries. Buckley.
- 309 Women and Religion (3:3).** An examination of the way in which women have been represented in the Western religious tradition and a consideration of suggestions by modern feminist theologians of alternative forms to express the religious dimensions of women's experience. Wakeman. (H).
- 315 Religious Autobiography in the West (3:3).** An exploration of changing views of selfhood in the Western autobiographical traditions from Augustine's *Confessions* to the present. Gunn. (H).
- 317 Religion and the Arts of India (3:3).** A survey of religious meanings in the art and architecture of India. The course examines myths, symbols, iconographies, aesthetic theories, rituals using the visual arts in Buddhism, Hinduism and Islam. Courtright.
- 324 Philosophical issues in Religion (3:3).** Modes of philosophical reflection, grounds of human conceptuality and their relation to the truth of religious claims. Levinson. (H).
- 326 Religion and Contemporary Culture (3:3).** Religious understandings of human beings and the world as shaped by contemporary social institutions, the arts, politics and philosophy. Gunn. (H).
- 331 Early American Religious Thought (3:3).** An exploration of American religious thought from the settlement through the National Period (mid-19th century), focusing on the works of Puritans, Rationalists and Romantics. Levinson. (H).
- 333 Religion and Psychology (3:3).** Presents classic Western psychological theories of religion and shows how various religious traditions understand the human psyche.



- 335 A History of Philosophies of Religion in America, 1860-1955 (3:3).** A narrative history of developments in American philosophies of religion from 1860 to 1955. Levinson. (H).
- 340 War and Conscience (3:3).** Western religious and ethical perspectives on the relationship between war and conscience, including the crusade, just war, and pacifist traditions, and their contemporary expressions. (H).
- 343 History of Western Ethics (3:3).** An exploration of major ethical perspectives in Western history. Students may repeat the course as topics change. 343a. Ancient—The ethics of Greece, Israel, Early Christianity, Rome; 343b. Medieval and Early Modern—The ethics of Medieval Jewish, Muslim, and Christian philosophers, and major moral theories of the Renaissance and Reformation; 343c. 17th Century and Enlightenment—Ethical content and implication of scientific, religious, political, and philosophical revolutions; 343d. 19th Century—The ethics of Romanticism, Liberalism, Communism, Existentialism. Same as PHI 343. Ashby. (H).
- 351 Primitive Religions (3:3).** A study of religion in traditional societies in which the basic question "What is it to be human?" will be raised by entering into the diverse symbolic worlds of native American, African and/or other nonliterate peoples. Wakeman. (H).
- 352 Ancient Religions (3).** Exploration of ancient myth and ritual through a study of archeological and written records from Egypt and Mesopotamia. Emphasis on themes pertinent to an understanding of the Western cultural heritage, such as creation, kingship, sacrifice. Wakeman. (H).
- 365 Mythology and the Religious Imagination (3:3).** A study of the imaginative and religious dimensions of mythology, with emphasis upon the role of myth in religion and culture. (H).
- 401, 402, 403, 404 Tutorial (1 to 3), (1 to 3), (1 to 3), (1 to 3).** Directed program of reading, research and private instruction. Pr. permission of instructor.
- 410 Religious Studies Colloquium (3).** Colloquium on unifying theme in Religious Studies. May be repeated for credit as topics change for up to 9 hours credit. Required for senior majors. Open to others with permission of instructor. Topic varies with instructor. Offered in fall semester only.
- 411 Senior Project (3).** Individually supervised inquiry for senior majors. Pr. senior standing, major in Religious Studies.
- Frances C. Arndt** (1977), Lecturer of English in Residential College/B.A., College of William and Mary in Virginia/M.A., Ph.D., Duke. Part-time.
- Warren H. Ashby** (1949), Visiting Professor/B.A., Maryville College/B.D., Ph.D., Yale. Part-time.
- Linda B. Bragg** (1970), Lecturer in Residential College/B.A., Bennett College/M.A., Western Reserve/Ph.D., The Union of Experimenting Colleges and Universities.
- Thomas Buckley** (1985), Visiting Lecturer in Residential College/A.B., Harvard/A.M., Ph.D., Chicago. Part-time, second semester 1984-85.
- Betty Carpenter** (1972), Assistant to the Director and Lecturer in Residential College/B.S., M.A., George Peabody College. Part-time.
- H. Keith Ferrell** (1984), Teaching Assistant in Residential College. Part-time, first semester 1984-85.
- Thomas T. Taylor** (1983), Lecturer in Residential College/B.A., M.A., UNC-G. Part-time.
- Scott Baker**, Lecturer, Department of Communications and Theatre.
- James C. Cooley**, Associate Professor, Department of History.
- Jean Crane**, Teaching Assistant, School of Home Economics.
- John A. D'Emillo**, Assistant Professor, Department of History.
- Mary Floyd**, Assistant Professor, Department of History.
- Mark Gottsegen**, Assistant Professor, Department of Art.
- Marc Marschark**, Assistant Professor, Department of Psychology.
- Gerald W. Meisner**, Associate Professor, Department of Physics.
- Richard E. Mennen**, Associate Professor, Department of Communication and Theatre.
- Kermit E. Moline**, Teaching Assistant, Office of Residence Life.
- Robert M. O'Kane**, Professor, School of Education.
- John Scanzoni**, Professor, School of Home Economics.
- Roy Schantz**, Associate Professor, Department of History.
- David H. Shelton**, Professor, Department of Economics.
- Bette J. Tweten**, Assistant Professor, School of Home Economics.
- H. Herbert Weils III**, Professor, Department of Psychology.
- Craig White**, Lecturer, Department of English.
- Richard T. Whitlock**, Associate Professor, Department of Physics.

The Residential College was created at UNC-G to provide a setting which encourages innovative study, small classes, unity of academic and social experiences and close student-faculty contacts.

The Residential College is primarily a two-year program for freshmen and sophomores with a limited number of upperclassman participants. Members of the program live and have classes in a coed dormitory. A faculty couple resides there as counselors, and faculty members have offices in the residence hall.

Faculty members from many different departments and schools teach in the Residential College. Courses taught meet University degree requirements in Humanities, Social and Behavioral Sciences, Natural Sciences and English Composition areas, and the Residential College is authorized to designate courses to meet the specific requirements of the College of Arts and Sciences curriculum.

All students participate in an interdisciplinary core course

## Course for Graduates

**695 Independent Study (1 to 3).**

## Residential College

(Mary Foust Hall/College of Arts and Sciences)

**Murray D. Arndt** (1968), Director, Residential College and Assistant Professor, Department of English/B.A., M.A., Catholic/Ph.D., Duke.



focusing on the American Experience and choose from a wide range of other academic subjects. They also engage in varied types of independent study, community service work and workshops based on student interests. These activities make up six to nine hours of a student's semester course load. The remaining semester hours are taken in the University outside the Residential College. (Residential College students are full members of UNC-G and are expected to participate in the life of UNC-G.)

In the Residential College students and faculty serve on governing committees and participate together in special events within the dormitory.

All students who have been admitted to UNC-G automatically qualify for application to the Residential College. Anyone who wishes to receive more information about the program is encouraged to write directly to the Residential College.

## Residential College- RCO/courses

- 101 English Composition (3:3).** Designed to develop the student's ability to read with discrimination and write effectively. White, Bragg. (EC).
- 104 Writing Clinic (3).** An experimental multi-semester course dealing with real writing problems that occur naturally in other courses. Students are instructed on a tutorial basis. F. Arndt, Bragg. (EC).
- 205, 206 Residential College Core Course: The American Experience: American and the Modern World (3), (3).** The second year of a two-year core program dealing with the American Experience. Emphasis in this year is on contemporary events (from 1945) and their significance for the future. The course is multi-disciplinary.
- 205-01 Sexuality, Power and Politics.** D'Emilio. (SBS).
- 205-02 Four Crises: McCarthyism through Watergate.** Taylor. (SBS).
- 205-03 Civil Rights and Civil Wrongs.** Bragg. (SBS).
- 205-04 The Nuclear Age.** Whitlock, Meisner. (SBS).
- 205-05 Passage Fiction.** F. Arndt. (SBS).
- 206-01 The Death of the Imagination.** Bragg. **Educational Alternatives for the Future.** O'Kane. (H).
- 206-02 Future of Families and Close Relationships.** Scanzoni. **Images of the Future: Families, Work and the Economy.** Tweten. **Nutrition, Health and Fitness.** Crane. (SBS).
- 206-03 Contemporary Political Thought.** Taylor. (SBS).
- 131, 132, 231, 232 Residential College Seminars (9), (9), (3 to 9), (3 to 9).** Concentrated and in-depth seminars meeting College of Arts and Sciences and University requirements in humanities, social sciences and natural sciences and intended to complement the core program. Seminars are set up each year, each with 3 hours credit. Seminars for 1984-85 were:
- 221-68 Literature of the Future.** Ferrell. (H).

- 221-69 Visions and Values: Religious Ethics and Literature.** Ashby, F. Arndt. (H).
- 221-70 Introduction to Improvisation.** Mennen. (H).
- 224-50 The World Since 1945.** Schantz. (SBS).
- 224-51 Latin America to 1825.** Floyd. (SBS).
- 224-55 Concepts and Issues in Contemporary Economics.** Shelton. (SBS).
- 241-44 The Bible and Western Heroism.** M. Arndt. (H).
- 241-50 Detective Fiction.** F. Arndt. (H).
- 241-62 The Reading and Writing of Poems.** M. Arndt. (H).
- 244-32 General Psychology.** Wells. (SBS).
- 244-37 Latin America Since 1825.** Floyd. (SBS).
- 244-41 Asian Civilization.** Cooley. (SBS).
- 244-42 Non-Western Influences on Western Culture: Present and Future.** Buckley. (SBS).
- 244-43 Social and Personality Development.** Marschark. (SBS).
- 244-44 Contemporary Political Thought.** Taylor. (SBS).
- 247-12 Three Scientific Worldviews.** Whitlock. (NSM).
- 256 Service Learning (3).** Carpenter.
- 262 Independent Study (1 to 3).** Carpenter.
- 271 Elective Seminars. (1 to 3).**
- 271-16 Drawing: Composition and Communication (3).** Gottsegen.
- 271-17 Methods for Development of Human Potential (1).** Moline.
- 271-18 Methods for Development of Human Potential (1).** Moline.
- 271-19 Academic Orientation and Study Skills (1).** Moline.
- 271-20 Speech Composition and Delivery (3).** Baker.
- 301 Independent Study (3).** Carpenter.
- 302-01 Advanced Study (3).** Carpenter.
- 302-02 Advanced Study: Visions and Values in Religious Ethics and Literature (3).** Ashby, F. Arndt. (H).

**Risk Management and Insurance — See Finance.**

## Romance Languages — Department of

(319 McIver Bldg./College of Arts and Sciences)

- Roch C. Smith** (1970), Professor and Head of Department/B.A., M.A.T., Florida/M.A., Ph.D., Emory.
- Jose A. Almeida** (1966), Associate Professor/B.A., Baylor/M.A., Ph.D., Missouri.
- James C. Atkinson** (1958), Professor/B.A., M.A., Duke/Ph.D., Johns Hopkins.
- Sarah F. Bell** (1967), Associate Professor/B.A., M.A., Ph.D., U.N.C. at Chapel Hill.
- Kathleen M. Bulgin** (1965), Assistant Professor/B.A., Sweet Briar College/M.A., Bryn Mawr College/Ph.D., Duke.
- Claude J. Chauvigne** (1965), Associate Professor/B.S., Southwest Missouri State/M.A., Ph.D., Colorado.



- J. Phillip Couch** (1958), Associate Professor/B.A., U.N.C. at Chapel Hill/Ph.D., Yale.
- Stephen F. Dattaio** (1981), Lecturer/B.A., Ohio State/M.Ed., UNC-G. Part-time.
- David A. Fein** (1976), Associate Professor/B.A., Brown/Ph.D., Cornell.
- Carl C. Garrett** (1985), Lecturer/A.B., High Point College/M.Ed., UNC-G. Part-time, second semester 1984-85.
- Herbert S. Gochberg** (1977), Professor/B.A., The City College of New York/M.A., Ph.D., Brown. Deceased 9-11-84.
- William O. Goode** (1974), Associate Professor/B.A., Washington and Lee/M.A., Ph.D., Duke.
- Kathleen V. Kish** (1969), Professor/B.A., California at Berkeley/M.A., Ph.D., Wisconsin.
- Jean Paul Koenig** (1962), Assistant Professor/B.A., Aix-Marseille/M.A., U.N.C. at Chapel Hill/Docteur D'Universite Toulouse.
- Ramiro Lagos** (1965), Professor/B.A., La Porciuncula/M.A., Ph.D., Universidad Javeriana.
- F. Giraudet-Lay** (1963), Instructor/Baccalaureat, Paris/Licence es Lettres, Universite de Bordeaux.
- Jane T. Mitchell** (1970), Associate Professor, School of Education and Department of Romance Languages/B.A., Mary Baldwin College/M.A., George Washington/Ph.D., U.N.C. at Chapel Hill.
- Samir H. Rizk** (1968), Assistant Professor/B.B.A., Miami/B.A., Damascus/M.A., Ph.D., Illinois.
- Anne D. Rodriguez** (1982), Lecturer/B.S., M.A., Columbia/M.A., Middlebury College.
- C. Albert Rubio** (1980), Lecturer/B.A., Wake Forest/M.Ed., Ed.D., UNC-G. Part-time.
- Jose Sanchez-Boudy** (1965), Professor/B.A., Champagnat/M.A., U.N.C. at Chapel Hill/Doctor en Derecho, Havana/Diploma de Doctor, Madrid.
- Mark I. Smith-Soto** (1975), Associate Professor/B.A., Maryland/M.A., Ph.D., California at Berkeley.
- Robert R. Stinson** (1966), Associate Professor/B.A., Lenoir-Rhyne College/M.A., Ph.D., U.N.C. at Chapel Hill.
- Giacomo A. Striuli** (1981), Instructor/B.A., John Carroll/Laurea in Lingue e Letterature Straniere Moderne, Milan. Part-time.
- Shirley B. Whitaker** (1960), Associate Professor/B.A., M.A., Duke/Ph.D., U.N.C. at Chapel Hill.

The Department of Romance Languages offers a variety of programs in language, literature and culture of the three major Romance areas of French, Spanish and Italian. Students may begin the study of any of these at the elementary level or continue it at the intermediate level. Intermediate proficiency is expected for further work in French or Spanish; according to the student's interests, he may then begin the study of literature or develop language skills in composition and conversation.

At all levels the department's aims are two-fold:

1. Practical training in understanding, speaking, reading and writing a foreign language.
2. Promotion of those values in the liberal arts tradition that derive particularly from language study: increased understanding of language itself as structure and process, the enlightening encounter with modes of thought and expression different from one's own and an introduction to another culture.

In addition to the Bachelor of Arts degree, the department offers the Master of Arts and the Master of Education degrees in French and in Spanish.

Special facilities and features include language laboratories; the International House, where students have opportunities beyond the classroom to use French or Spanish; summer programs in France, Spain and Latin America; and French and Spanish honorary societies. Achievement in Romance studies is recognized by four annual awards to outstanding juniors and seniors.

## FRENCH OR SPANISH MAJOR (Bachelor of Arts)

Required: 122 semester hours.

**The French and Spanish Majors** are designed to insure a well-rounded preparation in language and literature. The programs are balanced and comprehensive, yet they allow students the latitude to explore subjects of special interest to them. Specific course and area requirements and electives in language, literature and culture characterize both programs.

Students seeking **teacher certification** should see Teacher Education Chapter.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in Western Civilization (6 semester hours) and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

### Major Requirements in French

30-36 semester hours above the 204 level, including:

1. FRE 205, 206.
2. Four courses from 209, 211, 213, 309, 310.
3. Three literature courses at the 300 and 500 levels.
4. Additional courses above the 204 level to fulfill hours in the major.

Note: Literature courses in English translation may not be used for credit toward the major. Students seeking **teacher certification** must take courses in the major in phonetics and civilization: 311; 371a, 571, or 572. These requirements are in addition to the other certification requirements discussed in the Teacher Education Chapter.

### Major Requirements in Spanish

30-36 semester hours above the 204 level, including:

1. Two courses from SPA 205, 206, 271.
2. Four courses from 209, 211, 212, 213, 309 (a maximum of six semester hours of 200 level conversation may be counted toward the first 30 hours of the Spanish major).
3. Three literature courses at the 300 and 500 levels.



4. Additional courses above the 204 level to fulfill hours in the major (at least one of these must be at the 500 level).

Note: Literature courses in English translation may not be used for credit toward the major. Students seeking **teacher certification** must take courses in the major in phonetics and civilization: 350, 571 or 572. These requirements are in addition to the other certification requirements discussed in the Teacher Education Chapter.

#### Related Courses, Double Majors

Suggested: second foreign language and literature; World Literature; English or American Literature; Classical Civilization; European, French or Latin American History; International Studies; Linguistics; Music; Art; Social Science.

#### Electives

Electives sufficient to complete total semester hours required for degree.

### French or Spanish Minor

Required: 15-21 semester hours.

The **French or Spanish Minor** offers students in other disciplines an opportunity to develop proficiency in a foreign language and to explore the literature and culture of France, Spain or Latin America. The program of studies for the minor will be tailored to the needs and interests of the student; there are no specific course requirements, but only courses above the 204-level may be counted. Literature courses in English translation may not be used for credit toward the minor.

## French-FRE/courses

### Courses in English Translation

French literature in English translation courses are as follows:

- 222 Explorations In French Literature: English Versions (3:3).**  
**224 Medieval French Literature in English Translation (3:3).**  
**303 Albert Camus in English Translation (3:3).**

A full description of these courses will be found in numerical order in the French courses listed below.

### Courses for Undergraduates

- 101, 102 Beginning French (3:3), (3:3).** Introduction to French with practice in listening, speaking, writing and reading. Supplementary instruction in the language laboratory. 101 is prerequisite to 102.  
**113 Conversation In France (3).** Extensive formal and informal training in French conversation in a living French setting. Open only to students who do not meet the prerequisites for 213. Offered only as a summer program in France. Pr. two semesters of elementary French courses or permission of instructor.

- 203, 204 Intermediate French (3:3), (3:3).** Review and further study of basic French structures with emphasis on active use of language skills: listening, speaking, writing, reading. 203 is prerequisite to 204. (H), (CFL).  
**205 Introduction to French Culture and Civilization (3:3).** Prose selections drawn from books, magazines and newspapers designed to enhance the student's knowledge of France and the French: their institutions, achievements and way of life. Pr. 204 or equivalent. (H).  
**206 Introduction to French Prose and Poetry (3:3).** Reading French literary texts for comprehension and appreciation. Students will learn to read both extensively and intensively, with attention to form as well as content. Pr. 204 or equivalent. (H), (CLIT).  
**209 French Composition (3:3).** Intensive study of grammar and idiom. Formal and informal writing.  
**211 French Conversation (3:3).** Intensive and methodical training in spoken French.  
**213 Conversation In France (3).** Intensive formal and informal training in French conversation in a living French setting. Offered only as a summer program in France. Pr. 204 or permission of instructor.  
**222 Explorations in French Literature: English Versions (3:3).** The best of French literature read and discussed in English. Topics will vary, each taking a broad perspective on an important theme, genre or period. May not be used for credit toward French major. (H), (CLIT).  
**224 Medieval French Literature in English Translation (3:3).** Readings from major genres of the Middle Ages in English translation, as reflections of cultural, philosophical and aesthetic values in the age of chivalry and belief. May not be used for credit toward French major. Atkinson, Fein. (H).  
**241, 242 Business French (3:3), (3:3).** French used in various types of business, with practice in writing and speaking. Readings on economic aspects of the French-speaking world. Pr. 204 or equivalent. Koenig.  
**303 Albert Camus in English Translation (3:3).** Reading and discussion of Camus' novels, plays and essays in English. May not be used for credit toward French major. Smith. (H).  
**309, 310 Advanced Written and Spoken French (3:3), (3:3).** Intensive practice in the written and spoken language. Each semester will focus on refinements in structure, vocabulary development, informal conversation and formal writing styles. Pr. 209 or equivalent. Koenig.  
**311 French Phonetics (3:3).** A systematic approach to French pronunciation through sound/spelling relationships, exercises in phonetic transcription and sound discrimination. Phonetic theory is reinforced by aural-oral practice to improve intonation and articulation. Pr. 211. Mitchell.  
**312 French Literature to 1500 (3:3).** Introduction to medieval literature (Modern French versions): epic, comic theatre, Arthurian legend and fabliau. Among works to be read: **La Chanson de Roland**, **Maitre Pathelin**, romances of Chretien de Troyes. Pr. 205, 206. Atkinson, Fein. (H).  
**322 French Literature of the Sixteenth Century (3:3).** The



- Renaissance in France, reflected in prose by Rabelais and Montaigne; in lyric poetry of the Pleiade; and in intellectual contributions of the French humanists. Pr. 205, 206. Couch. (H).
- 332 French Literature of the Seventeenth Century (3:3).** The High Classical Period and its antecedents: Moliere, Racine, Corneille, La Fontaine, Mme de Lafayette, Descartes and Pascal setting traditional standards in theatre, poetry and prose during the "splendid century." Pr. 205, 206. Goode. (H).
- 342 French Literature of the Eighteenth Century (3:3).** Progress and change in the Enlightenment: Prevost, Marivaux, Montesquieu, Voltaire, Diderot, Beaumarchais and Rousseau forging the skeptical and cosmopolitan Age of Reason—and "Sensibilite." Pr. 205, 206. Rizk. (H).
- 352 French Literature of the Nineteenth Century (3:3).** From Romanticism to Symbolism: foundations of modern French literature through the creative diversity of such innovators as Hugo, Balzac, Stendhal, Flaubert, Baudelaire, Mallarme and Rimbaud. Pr. 205, 206. Bell, Couch. (H).
- 362 French Literature of the Twentieth Century (3:3).** The quest for meaning in changing times through surrealism, existentialism and redefined humanism: Apollinaire, Proust, Eluard, Aragon, Malraux, Sartre, Camus, Sarraute and Robbe-Grillet. Pr. 205, 206. Smith. (H).
- 371a, 371b Culture and Civilization in France (3), (3).** A study of French culture and civilization as manifested in France today. Special emphasis on Paris and one other region of France. Offered only as a summer program in France. 371a taught in French. Pr. 204 or permission of instructor. 371b taught in English. Open only to students not meeting prerequisites for 371a; 371b may not be used for credit toward French major. (H).
- 380 Special Topics in French Literature (3:3).** Readings in literature not covered by other course offering at this level. Topics will vary. Pr. 205, 206. (H).
- 520 Topics in French Fiction (3:3).** Studies in prose fiction — roman, conte, nouvelle — through a variety of critical and historical approaches, each topic focusing on one such approach. May be repeated for credit when topic varies. Pr. one 300-level course in French literature or permission of instructor.
- 530 Topics in French Poetry (3:3).** Studies in French lyric poetry through a variety of critical and historical approaches, each particular topic focusing on one such approach. May be repeated for credit when topic varies. Pr. one 300-level course in French literature or permission of instructor.
- 540 Topics in French Theatre (3:3).** Studies in French theatre through a variety of critical and historical approaches, each particular topic focusing on one such approach. May be repeated for credit when topic varies. Pr. one 300-level course in French literature or permission of instructor.
- 550 Old French Literature (3:3).** Readings in literature of the Old French period (9th-13th centuries). Pr. one 300-level course in French literature or permission of instructor. Atkinson.
- 552 Middle French Literature (3:3).** Readings in fifteenth-century literature exploring each of the major genres: the nouvelle, farce and lyric poetry. Pr. one 300-level course in French literature or permission of instructor. Fein.
- 560 French Literature of the Renaissance (3:3).** Survey of sixteenth-century literature including works of Marot, Rabelais and poets of the Pleiade. Special emphasis on the *Essais* of Montaigne. Pr. one 300-level course in French literature or permission of instructor. Couch.
- 571, 572 French Civilization (3:3), (3:3).** Study of France and the French people. Historical and geographical background, intensive study of national traits, home life, institutions and culture. Stress on present-day France. Pr. one 300-level course in French literature or permission of instructor. Chauvigne.
- 580 Advanced Topics in French Literature (3:3).** Nontraditional perspective on literature in the French language: thematic topics, Francophone literature and others. May be repeated for credit when topic varies. Pr. one 300-level course in French literature or permission of instructor.

## Courses for Advanced Undergraduates and Graduates

- 510 Topics in French Literary Movements (3:3).** In-depth study of a major literary trend: classicism, realism, naturalism and others. May be repeated for credit when topic varies. Pr. one 300-level course in French literature or permission of instructor.
- 517 The Auteur Director (3:2:3).** The works of an individual film director. Subject differs from offering to offering. May be repeated for credit. Pr. COM 171 or ENG 330 or graduate standing. Same as COM, ENG, ITA, SPA 517.
- 518 Studies in Film Genre (3:2:3).** The technical, dramatic, social and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering. May be repeated for credit. The films screened will be in French. Pr. COM 171 or ENG 330 or graduate standing. Same as COM, ENG, ITA 518.

## Courses for Graduates

- 605, 606 Advanced Composition for Graduate Students (3:3), (3:3).**
- 610 History of the French Language (3:3).**
- 620 French Literary Criticism (3:3).**
- 631 Moliere (3:3).**
- 632 Rousseau (3:3).**
- 633 Stendhal (3:3).**
- 634 Gide, Malraux, Camus (3:3).**
- 670 Seminar in French Literature (3:3).**
- 693 Special Problems in French Language and Literature (3:3).**
- 695 Independent Study (3).**



- 699 Thesis (3 to 6).  
 800 Graduate Registration.  
 801 Graduate Registration.

## Spanish-SPA/courses

### Course in English Translation

Spanish Literature in English translation course is as follows:

**222 Hispanic Masterpieces in English Translation (3:3).**

A full description of this course will be found in numerical order in the Spanish courses listed below.

### Courses for Undergraduates

- 101, 102 Beginning Spanish (3:3), (3:3).** Introduction to Spanish with practice in listening, speaking, writing and reading. Supplementary instruction in the language laboratory. 101 is prerequisite to 102.
- 203, 204 Intermediate Spanish (3:3), (3:3).** Review and further study of basic Spanish structures with emphasis on active use of language skills: listening, speaking, writing, reading. 203 is prerequisite to 204. (H), (CFL).
- 205 Introduction to Spanish Literature (3:3).** Reading of representative texts in chronological order, with attention to techniques of literary analysis. Pr. 204 or equivalent. (H), (CLIT).
- 206 Introduction to Spanish-American Literature (3:3).** Reading of representative texts in chronological order, with attention to techniques of literary analysis. Pr. 204 or equivalent. (H), (CLIT).
- 209 Intermediate Spanish Composition (3:3).** Intensive study of grammar and idiom. Formal and informal writing.
- 211, 212 Spanish Conversation (3:3), (3:3).** Intensive and methodical training in spoken Spanish.
- 213 Conversation in a Spanish-Speaking Country (3).** Intensive formal and informal training in Spanish conversation in a Spanish or Latin American setting. Offered only in UNC-G Summer Program Abroad. Pr. 204 or permission of instructor.
- 222 Hispanic Masterpieces in English Translation (3:3).** The best of Spanish-American literature read and discussed in English. Topics will vary, each taking a broad perspective on an important theme, genre or period. (H), (CLIT).
- 271 Introduction to Hispanic Culture (3:3).** Introduction to the culture of the Hispanic world. Selected readings on the culture by noted Hispanic authors, films, slides with classroom discussions. Pr. 204 or equivalent. (H).
- 309 Advanced Written and Spoken Spanish (3:3).** Intensive practice in the written and spoken language, focusing on refinements in structure, vocabulary development, informal conversation and formal writing styles. Pr. 209 and 211 or equivalent.
- 311 Spanish-American Theatre (3:3).** Comprehensive view of the twentieth-century Spanish-American Theatre. Pr. 205, 206 or equivalent. Almeida, Smith-Soto.
- 321 Twentieth-Century Spanish Novel (3:3).** Intensive study of novels by Unamuno, Baroja, Valle-Inclan, Azorin and Perez de Ayala. Brief survey of the post-Civil War novel. Pr. 205, 206 or equivalent. (H).
- 324 Nineteenth-Century Spanish Theatre (3:3).** Survey of the Spanish drama from neoclassicism to the late nineteenth century. Includes Moratin, Duque de Rivas, Zorilla, Tamayo y Baus, Echegaray, Perez Galdos. Pr. 205, 206 or equivalent. Sanchez-Boudy Smith-Soto. (H).
- 326 Spanish-American Poetry (3:3).** Analysis of representative works from Modernism to present. Lectures on social, literary and cultural backgrounds. Pr. 205, 206 or equivalent. Lagos, Smith-Soto. (H).
- 329 Spanish-American Novel (3:3).** Development of the novel and short story of Spanish America. Reading of representative works with special attention to contemporary fiction. Pr. 205, 206 or equivalent. Lagos. (H).
- 330 Eighteenth-Century Spanish Literature (3:3).** Literature of the Enlightenment in Spain (fiction, prose, poetry and drama), with attention to major literary movements. Pr. 205, 206 or equivalent. Kish. (H).
- 331 The Essay in Latin America (3:3).** Historical evolution, thematic diversification, cultural content and stylistic traits. Pr. 205, 206 or permission of instructor. Lagos. (H).
- 333 Spanish Ballads (3:3).** Thematic and stylistic study of the Spanish ballad with attention to origins and developments. Pr. 205, 206 or equivalent. Kish. (H).
- 334 Spanish Drama of the Golden Age (3:3).** Evolution of the Spanish drama, with detailed study of plays by Lope de Vega, Ruiz de Alarcon, Tirso de Molina and Calderon. Pr. 205, 206 or equivalent. Whitaker. (H).
- 350 Spanish Phonetics (3:3).** Spanish phonetics and intonation. Students learn to read and write symbols for sounds and inflections of Spanish and study mechanics of production of these sounds, accompanied by intensive drill in pronunciation and intonation. Pr. 211, 212 or equivalent or permission of instructor.
- 393, 394 Special Topics in Spanish Literature (3:3), (3:3).** Directed study and research in literary topics. Departmental permission required. (H).
- 401 Special Topics in Spanish-American Literature (1 to 3).** Directed study and research in literary topics of special interest to the locale of the UNC-G Summer Program in a Spanish-speaking country. Pr. one 300-level course in Spanish literature and permission of instructor.

### Courses for Advanced Undergraduates and Graduates

- 501 Mexican Literature (3:3).** Principal authors, works and themes of Mexican literature, with emphasis on twentieth-century writers. Pr. one 300-level course in Hispanic literature or permission of instructor. Almeida.



- 503 Argentine Literature (3:3).** Principal authors, works, and themes of Argentine literature, with attention to the gaucho, feminist, modernist, and post-modernist traditions. Pr. one 300-level course in Hispanic literature or permission of instructor. Smith-Soto.
- 505 Andean Literature (3:3).** Principal authors, works, and themes of the literature of the Andean countries (Bolivia, Chile, Colombia, Ecuador, Peru, and Venezuela), with emphasis on the contemporary period. Pr. one 300-level course in Hispanic literature or permission of instructor. Lagos.
- 507 Caribbean Literature (3:3).** A study of Caribbean literature (Cuba, Puerto Rico and the Dominican Republic): its principal authors, works and themes, with special attention to *poesia negra*. Pr. one 300-level course in Hispanic literature or permission of instructor. Sanchez-Boudy.
- 510 Cervantes, I (3:3).** Intensive study of *Don Quixote*. Lectures, collateral reading and reports. Pr. one 300-level course in Spanish literature or permission of instructor. Almeida, Whitaker.
- 515 Modern Spanish Poetry (3:3).** Spanish poetry from Romanticism to the present. Lectures, collateral reading and reports. Pr. one 300-level course in Spanish literature or permission of instructor. Smith-Soto.
- 517 The Auteur Director (3:2:3).** The works of an individual film director. Subject differs from offering to offering. May be repeated for credit. Pr. COM 171 or ENG 330 or graduate standing. Same as COM, ENG, FRE, ITA 517.
- 520 Poetry of the Golden Age (3:3).** Study of poetry of the *Siglo de Oro* with particular attention to historical, courtly, and satiric works. Pr. one 300-level course in Spanish literature or permission of instructor. Almeida.
- 525 Spanish Prose Fiction of the Renaissance and Golden Age (3:3).** Representative works of idealistic and realistic fiction (excluding Cervantes) with emphasis on the picaresque novel. Pr. one 300-level course in Spanish literature or permission of instructor. Whitaker.
- 531 The Nineteenth-Century Spanish Novel (3:3).** The Spanish novel from the costumbrista movement to the naturalistic novel, including works of Mesonero Romanos, Larra, Enrique Gil Carrasco, Fernan Caballero, Alarcon, Valera, Pardo Bazan, Leopoldo Alas, Galdos, Blasco Ibanez. Pr. one 300-level course in Spanish literature or permission of instructor. Sanchez-Boudy.
- 535 Twentieth-Century Spanish Theatre (3:3).** A study of Spanish dramatists from Echegaray and Benavente to the New Wave of Spanish dramatists. Pr. one 300-level course in Spanish literature or permission of instructor. Almeida.
- 545 Old Spanish Literature (3:3).** Readings in Spanish literature of the Middle Ages with attention to special features of literature and development of the language. Pr. one 300-level course in Spanish literature or permission of instructor. Stinson.
- 571 Spanish Civilization (3:3).** Development of Spanish

culture. Historical and geographical background for study of twentieth-century Spain. Special emphasis on customs, national traits, arts and institutions. Pr. one 300-level course in Spanish literature or permission of instructor. Whitaker.

- 572 Spanish-American Civilization (3:3).** Development of Spanish-American culture. Pr. one 300-level course in Spanish literature or permission of instructor. Lagos.

### Courses for Graduates

- 601, 602 Seminars in Spanish Literature (3:3), (3:3).**
- 610 History of the Spanish Language (3:3).**
- 693 Special Problems in Spanish Language and Literature (3:3).**
- 695 Independent Study (3).**
- 699 Thesis (3 to 6).**
- 800 Graduate Registration.**
- 801 Graduate Registration.**

## Italian-ITA/courses

### Courses for Undergraduates

- 101, 102 Beginning Italian (3:3), (3:3).** Introduction to Italian with practice in hearing, speaking, reading and writing. Supplementary instruction in the language laboratory. 101 is prerequisite to 102.
- 203, 204 Intermediate Italian (3:3), (3:3).** Review and further study of Italian, followed by reading of contemporary authors. 203 is prerequisite to 204. (H), (CFL).
- 222 Italian Masterpieces in English Translation (3:3).** The best of Italian literature read and discussed in English. Topics will vary, each taking a broad perspective on an important theme, genre or period. (H), (CLIT).
- 293 Readings in Modern Italian Literature (3:3).** Selected readings from the modern period. Pr. 204 or permission of instructor. (H).
- 294 Advanced Readings in Italian (3:3).** Selected readings from Dante, Boccaccio, Petrarca and Machiavelli. Pr. 204 or permission of instructor. (H).

### Courses for Advanced Undergraduates and Graduates

- 517 The Auteur Director (3:2:3).** The works of an individual film director. Subject differs from offering to offering. May be repeated for credit. Pr. COM 171 or ENG 330 or graduate standing. Same as COM, ENG, FRE, SPA 517.
- 518 Studies in Film Genre (3:2:3).** The technical, dramatic, social and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering. May be repeated for credit. The films screened will be in Italian. Pr. COM 171 or ENG 330 or graduate standing. Same as COM, ENG, FRE 518.



**Russian** — See German and Russian.

**Russian Studies** — See  
Interdepartmental Studies.

**Sculpture** — See Art.

**Self-Instructional Language Program**—  
See Interdepartmental Studies.

**Social Studies Teacher Certification  
(Economics Major)**— See Economics.

**Social Studies Teacher Certification  
(Psychology Major)**— See Psychology.

**Social Studies Teacher Certification  
(Sociology Major)**— See Sociology.

**Social Work** — Department of  
(451 Graham Bldg./College of Arts and Sciences)

**Virginia J. Stephens** (1962), Associate Professor and Head of  
Department/B.A., Meredith College/M.S.S.W., Texas at  
Austin.

**Marcia Berman-Berberian** (1984), Lecturer/B.A., Brooklyn  
College/M.S.W., Fordham. Part-time, first semester  
1984-85.

**N. Yolanda Burwell** (1983), Assistant Professor/B.S., N.C.  
A&T State/M.S.W., Washington at St. Louis/Ph.D., Cornell.

**Jerry Finn** (1980), Assistant Professor/B.A., U.C.L.A./M.S.W.,  
Hawaii/Ph.D., Wisconsin at Madison.

**Thomas B. Scullion** (1979), Professor/B.S., St. Peter's  
College/M.S.W., Fordham/Ph.D., Brandeis.

**Patricia Spakes** (1980), Assistant Professor/B.A., Winthrop  
College/M.S.W., South Carolina/Ph.D., Wisconsin at  
Madison.

**Robert J. Wineburg** (1980), Assistant Professor/B.A., Utica  
College/M.S.W., Syracuse/Ph.D., Pittsburgh.

**Social Work Major (Bachelor of Science)**

Required: 122 semester hours.

The purpose of the Social Work Program is to prepare students for practice in social work and human service areas. The program is accredited by the Council on Social Work Education for the seven-year period ending in June, 1990. The first two years of study emphasize general education and specific course work in related academic disciplines. The majority of the instructional program takes place during the

junior and senior years. The program prepares graduates for generalist practice in a variety of voluntary and governmental agencies.

**Participation in the Social Work Program:**

1. SWK 215 is open to all students and required for majors.
2. SWK 215, 310, 311, 312 and 351 must be taken prior to practice sequence.
3. SWK 411, 412, 413, 414, 415, 416 constitute the practice sequence. Admission to the sequence requires a 2.0 QPA and approval of the director of field instruction.

**General Information;** Students enrolled in the practice sequence are individually responsible for their own transportation to and from community agencies. Those students seeking placement in health related facilities may be required to provide proof of liability and malpractice insurance covering their actions as student social workers. Insurance information is available in the departmental office.

**Liberal Education Requirements**

(See pp. 62-63 for listing of courses meeting each area requirement.)

1. Language, Reasoning and Discourse, 6 s.h.
2. Foreign Language, (can be satisfied by completing 6 s.h. at the appropriate level), 6-8 s.h.
3. Mathematics, 3 s.h.
4. Western Civilization Core Course, 6 s.h.
5. Humanities, one course from each of the 3 sub-areas, 9 s.h.
6. Life Science, 6-7 s.h.
7. Social and Behavioral Science, 9 s.h.; ATY 212, PSC 200, SOC 211.

**Major Requirements**

1. SWK 215, 310, 311, 312, 351, 411, 412, 413, 414, 415, 416.
2. Six hours in social work at the 500-level.

**Related Area Requirements:**

1. HEA 369.
2. SOC 314 and 318.
3. PSY 221.
4. ECO 201.

**Certification in School Social Work.** Students intending to become certified for social work practice in schools in North Carolina need to complete the certification program which has been developed with the School of Education. In addition to completion of the social work major, the students must complete a three course sequence designed to provide a base for practice in the school setting. These courses are in addition to the requirements for the major: EDU 381; 540 or 544; SWK 584. SWK 413, 415 must be taken in a school or school related setting. The certificate is issued by the School of Education upon recommendation of the Social Work Program.

**Electives**

Electives sufficient to complete total semester hours required for degree.

## Social Work-SWK/courses

### Courses for Undergraduates

- 215 Introduction to Social Work (3:3).** Introduction to social welfare programs and social work practice. Topics include: social problems confronting society; societal and community helping resources; social work practice in a changing society. Field observation required.
- 310 Social Policy and Services (4:3:3).** Examination and survey of historical development of the concept of social welfare; analysis of theoretical framework used to organize the study of social welfare services; and an overview of interventive methods used in social welfare context. Supervised volunteer experience required. Same as SOC 310. (Fall only).
- 311 Human Behavior and Social Environment (3:3).** Provides an opportunity for students to apply major social science theories to the conceptualization of problems faced by social workers. Emphasis will be on theories relevant to understanding and influencing change on the societal, organizational, group and individual levels. Same as SOC 311. (SBS). (Fall only).
- 312 Social Policy Analysis (3:3).** Examination of policy foundation, development and implementation. Emphasis on skill development in analysis of human service delivery systems and roles of professionals in policy and practice areas. Pr. 310. Same as SOC 312. (Spring only).
- 351 Professional Skills (3:3:1).** A lecture-laboratory course to teach verbal and written skills necessary for conducting the helping interview and other related social work activities. Includes extensive use of simulated role play experience and instructor/peer feedback. (Spring only).
- 411 Social Work Methods I (3:3).** Emphasis on knowledge, values, process and skills in social work practice and introduces the student to interventive methods. Pr. admission to practice sequence.
- 412 Social Work Methods II (3:3).** Focus on development of social work practice skills emphasizing delivery of social services. Pr. 411.
- 413 Field Instruction I (4:0:16).** Educationally directed learning experienced by performing a range of activities related to entry level practice. Pr. admission to the practice sequence.
- 414 Field Instruction II (4:0:16).** Continuation of educationally directed learning initiated in 413. Emphasis is placed upon extended application and evaluation in the practice environment. Pr. 413.
- 415 Field Instruction Seminar I (1:1).** Concurrent with 411, 413. Critical review and analysis of application of social work theory in practice setting. Pr. admission to the practice sequence.

- 416 Field Instruction Seminar II (1:1).** Concurrent with 412, 414. Continues critical review and analysis of social work theory in practice setting. Pr. 415.
- 451 Special Problems in Social Work (1 to 3).** Intensive individual study of specialized topics. Requires written plan, consent of sponsoring instructor and approval of the department head.

### Courses for Advanced Undergraduates and Graduates

- 510 Selected Topics in Social Work (1 to 3).** Opportunity for students to study in depth a topic of special interest. May be repeated for credit when topics vary. Pr. consent of instructor.
- 520 Methods and Practice of Family and Marital Therapy (3:3).** A systems/communications approach to marital and family therapy. Students develop ability to apply concepts to understand and intervene in family systems. Related therapeutic concepts and techniques are also discussed. Pr. 6 hours of marital and family theory plus consent of instructor.
- 530 Social Agency Program Development (3:3).** Organization of new agencies or those initiating additional services. Needs assessment, resource development, agency operations and relationships with funding agencies. Pr. 310 or permission of instructor.
- 540 Social Work in Community Correction (3:3).** Discussion of preventative and diversion programs. Consideration of probation and parole services. Emphasis on the professional role as service provider. Pr. 310 or permission of instructor.
- 550 Social Services in Health Care (3:3).** An examination of social services in health care settings. Emphasis on organizational context, interdisciplinary cooperation and skill required for work in primary care setting. Pr. 310 or permission of instructor.
- 551 Special Problems in Social Work (1 to 3).** Intensive, individual study of specialized topics. Requires written plan, consent of sponsoring instructor and approval of department head.
- 570 Social Services for the Aging (3:3).** Systematic study of social work approaches to providing services to the aging. Focus on current policies, services and models of practice. Pr. 310 or consent of instructor.
- 584 Social Services for Children (3:3).** An advanced course designed for practitioners and students to provide knowledge for working with children and to teach strategies, techniques and skills for effective treatment. Pr. 310 or consent of instructor.
- 590 Social Services in Industry (3:3).** An overview of employee assistance programs, an explanation of worker-as-client and an introduction to social work strategies and service in the workplace. Pr. open to social science majors and graduate students or consent of instructor.



## Sociology — Department of

(337 Graham Bldg./College of Arts and Sciences)

**Daniel O. Price** (1978), Burlington Industries Professor and Head of Department/B.S., Florida Southern College/M.A., Ph.D., U.N.C. at Chapel Hill.

**Rebecca G. Adams** (1983), Assistant Professor/B.A., Trinity College/M.A., Ph.D., Chicago.

**Carolyn S. Allen** (1978), Lecturer/B.A., Texas at Austin/M.A., Florida State. Part-time, second semester 1984-85.

**Donald Floyd Allen** (1962), Assistant Professor/B.A., North Texas State/M.A., Ph.D., Texas at Austin.

**Julie V. Brown** (1983), Assistant Professor/B.A., Wells College/M.A., Ph.D., Pennsylvania.

**Elaine Burgess** (1960), Professor/B.A., M.A., Washington State/Ph.D., U.N.C. at Chapel Hill.

**John A. Humphrey** (1972), Professor/B.A., St. Anselm's College/M.A., Ph.D., New Hampshire.

**William Elliott Knox** (1963), Associate Professor/B.A., Colgate/Ph.D., Cornell.

**Paul Lindsay** (1978), Associate Professor/A.B., Princeton/M.Div., Union Theological Seminary/M.A., Miami/Ph.D., U.N.C. at Chapel Hill.

**Paul Luebke** (1976), Associate Professor/B.A., Valparaiso/Ph.D., Columbia.

**William T. Markham** (1980), Assistant Professor/B.A., Baylor/M.A., Ph.D., Texas at Austin.

**David F. Mitchell** (1971), Assistant Professor/B.A., M.A., Ph.D., Kansas.

**David J. Pratto** (1969), Associate Professor/B.A., Ph.D., Colorado.

**Elisha M. Rallings** (1966), Associate Professor/B.S., M.S., Clemson/Ph.D., Florida State.

The undergraduate program in sociology is planned primarily as a part of a liberal arts education. The objective is to provide the student with an analytic and systematic approach to the understanding of social relations. The major provides a foundation for advanced study and for a variety of occupations.

Graduate study leading to the Master of Arts degree with a major in sociology is also available. Courses in this program are offered both during the regular academic year and during the summer session. For details, see the **Graduate School Catalog**.

## SOCIOLOGY MAJOR (Bachelor of Arts)

Required: 122 semester hours.

The **Sociology Major** provides students with an understanding of the fundamental processes of social interaction that underlie all social organization and change. Beyond book and library study, students are required to develop skill in laboratory and field research.

### Liberal Education Requirements

(See pp. 62-63 for listing of courses meeting each area requirement.)

The liberal education requirements of the College of Arts and Sciences are structured within five broad categories: Learning Proficiencies (15 semester hours), the College Core Course in

Western Civilization (6 semester hours) and the three General Areas of Knowledge consisting of Humanities (9 semester hours), Natural Sciences (9-10 semester hours) and Social and Behavioral Sciences (9 semester hours). Students who satisfy the College requirements will also satisfy the all-University requirements.

### Major Requirements

36 semester hours in the major except for double majors, the social studies certification concentration or by special permission.

### Required Courses

SOC 313, 314, 318, 495.

In addition to the above courses, students are required to complete any three of the following:  
SOC 326, 327, 339, 343, 427, 428, 436.

Four courses at the 400 or 500 level. (427, 428, 436, 495 count toward completion of this requirement).

### Related Area Requirements

No specific courses required.

### Electives

Electives sufficient to complete total semester hours required for degree.

## SOCIOLOGY MAJOR (Bachelor of Arts)

### Social Studies Certification Concentration

Required: 122 semester hours.

The **Social Studies Certification Concentration** prepares teachers of social studies for secondary schools; but by satisfying the requirements for the major in sociology, a student has all the options of this major, including continuation in graduate study in sociology or in education.

### Liberal Education Requirements

Same as for Bachelor of Arts, Sociology Major.

Note: Where appropriate, teacher certification course requirements (listed below) may be selected to fulfill liberal education requirements.

### Major Requirements

A minimum of 24 hours, including SOC 313, 314, 318, 495.

In addition to the above courses, students are required to complete any three of the following:  
SOC 326, 327, 339, 343, 427, 428, 436.

Four courses at the 400 or 500 level. (427, 428, 436, 495 count toward completion of this requirement).

### Related Area Requirements

Students seeking social studies certification must take nine hours in history and six hours in four of the following disciplines: anthropology, economics, geography, political science and psychology; a total of 33 hours outside the major.



### Teacher Certification Requirements

(See Teacher Education Chapter for full explanation.)

1. One course in speech or clearance.
2. HEA 201.
3. PSY 221.
4. EDU 381, 450, 453, 465, 470.

### Electives

Electives sufficient to complete total semester hours required for degree.

### Sociology Double Major

24-36 hours in sociology, including the required courses and levels (some courses may fulfill requirements for both majors — see your adviser); 24-36 hours in another approved major.

### Sociology Minor

A student may take a minor in sociology by taking and passing at least 18 hours of work in sociology at the 200 level or above. Six hours of this work must be at the 400 or 500 level.

## Sociology-SOC/courses

### Courses for Undergraduates

- 201 American Society (3:3).** Contemporary American society and selected social issues from the sociological perspective. Attention given to value systems and institutions and to social processes which are of major current significance. Open to freshmen. (SBS), (CSBS).
- 211 Introduction to Sociology (3:3).** Scientific study of social behavior including factors involved in functioning and development of human society such as culture, personality, social organization, institutions, stratification, social process and social change. Open to freshmen. (SBS), (CSBS).
- 222 Sociology of Deviant Behavior (3:3).** Sociological contributions to analysis and treatment of contemporary types of deviant behavior. Relationship of deviant behavior to social change. Open to freshmen. (SBS), (CSBS).
- 232 Introduction to Social Psychology: Self in Society (3:3).** Perspectives and concepts of social psychology for understanding selected topics, such as theories of social psychology, socialization, social perception, acquisition of self, sex roles, social interaction, attitude, opinion and behavior change, group dynamics. May not be taken for credit if student has had PSY 347 or SOC 571. Knox. (SBS), (CSBS).
- 310 Social Policy and Services (4:3:3).** Examination and survey of historical development of the concept of social welfare; analysis of theoretical framework used to organize the study of social welfare services; and an overview of interventive methods used in social welfare contexts. Supervised volunteer experience required. Same as SWK 310.
- 311 Human Behavior and Social Environment (3:3).** Provides an opportunity for students to apply major social science theories to the conceptualization of problems faced by social workers. Emphasis will be on theories relevant to understanding and influencing change on the societal, organizational, group and individual levels. Pr. 310, SWK 215 and consent of instructor. Same as SWK 311. (SBS).
- 312 Social Policy Analysis (3:3).** Examination of policy foundation, development, and implementation. Emphasis on skill development in analysis of human service delivery systems. Roles of professionals in policy and practice areas. Pr. 310. Same as SWK 312.
- 313 The Development of Sociological Theory (3:3).** Emergence of sociological theory from social philosophy and the place of sociological theory in development of social science. Pr. 211 or consent of instructor. Allen. (SBS).
- 314 Introduction to Data Analysis (3:2:1).** Application of statistical concepts and procedures to sociological inquiry. Topics include elementary descriptive and inferential procedures and use of computers in data analysis. Pr. one introductory course in social science or consent of instructor.
- 317 Criminal Justice (3:3).** Emphasizes political role and interaction of police, courts, correctional and community service agencies in administering criminal justice. Humphrey. (SBS).
- 318 Introduction to Methods and Research (3:3).** Topics include the function of theory in research, concept formation, study design and assessment of data collection and analysis strategies. Also included are critical analyses and interpretations of selected research. Pr. one introductory course in a social science or consent of instructor. (SBS).
- 324 Criminology (3:3).** Nature of crime, criminal statistics and theories of criminal causation. Attention given to nature of criminal law; selected current issues in penology. Pr. one course in sociology or consent of instructor. Humphrey. (SBS).
- 326 The Community (3:3).** Development and theory of modern community life with special reference to processes of community relations, complexities of community structure and patterns of change. Markham.
- 327 Race and Ethnic Relations (3:3).** Interaction between peoples of differing racial, ethnic and cultural background, with brief comparison of American relationships to those in other parts of the world. Pr. one course in sociology or ATY 212 or consent of instructor. Burgess. (SBS).
- 331 Public Opinion and Mass Communication (3:3).** Social, psychological and political determinants of public opinion. Examination of how opinions are formed, changed and influenced and how social action is related to public opinion. Particular attention given to propaganda, pressure groups and mass communication media in affecting public opinion. Pr. one course in sociology or consent of instructor. Knox. (SBS).



- 339 Population Problems (3:3).** Sociological study of basic population processes of fertility, migration and mortality, including examination of problems associated with changing population size, composition and distribution. Pr. one course in sociology or consent of instructor. Mitchell. (SBS).
- 343 Urban Society (3:3).** Analysis of emergence of urban society including formation and growth of urban centers and problems associated with ecological, social and cultural differentiation within urban settlements. Mitchell. (SBS).
- 355 Marriage and the Family (3:3).** Analysis of marriage and family in North America with particular attention to change and interrelationships with other institutions. Rallings. (SBS).
- 361 Sociology of Health (3:3).** Process by which people come to be defined and treated as ill or mentally ill. Relationship of physiological, psychological and social causes treated from point of view of several sociological theories and bodies of research. Consideration given to organization of health care and to professions involved in adjudication and treatment. Pr. one course in sociology or consent of instructor. Brown. (Formerly 461).
- 366 Sociology of Religion (3:3).** Sociological study in field of religion with emphasis on modern society and relation of religion to other institutions and functions of religious roles. Pr. one course in sociology or consent of instructor. Allen. (SBS).
- 407 Women and Work (3:3).** Comprehensive examination of women's participation in contemporary U.S. labor force and work organization and the implications of such participation for women and men, for work organizations, and for society. Pr. 211 or consent of instructor. Markham.
- 413 Corrections and Penology (3:3).** Major sociological issues concerning the process of sentencing, incarceration and rehabilitation of juvenile and adult criminal offenders. Current correctional procedures and alternatives. Pr. 6 hours of sociology or consent of instructor. Humphrey.
- 415 Sociological Perspectives on Adolescence (3:3).** Concept of adolescence as a social phenomenon and relationship of adolescence with other populations, e.g., parents, teachers, peers, vis-a-vis social behavior, social attitudes and aspirations for intergenerational continuity. Pratto.
- 427 Social Change (3:3).** Examination of nature, process and consequences of social change with consideration of its control in all types of societies. Pr. one course in sociology or consent of instructor. Luebke.
- 428 Collective Behavior (3:3).** Systematic study of such forms of relatively unstructured social behavior as crowds, fashion and fad, public opinion, propaganda, mass phenomena and social movements. Pr. one course in sociology or consent of instructor. Luebke.
- 429 Sociological Perspectives on Women (3:3).** Inquiry into the status of women in society with emphasis on socialization, structural and institutional relationships, and continuities and discontinuities in women's roles across the life cycle. Pr. one course in sociology. Adams.
- 436 Social Stratification (3:3).** Structural inequality in modern society: class, caste, prestige and power systems. Examination of the social psychological and structural differentials among various status groupings; elitism vs egalitarianism; patterns of mobility; stratification and social organization — consensus, conflict and change. Burgess.
- 451 Social Relations In Formal Organizations (3:3).** Analysis of the relationships of individuals to work organizations and the relationships between individuals in organizations. Special attention is given to breakdowns in organizational functioning, satisfactions and dissatisfactions of individuals in work organizations, informal relationships and power within organizations, the integration of skilled professionals into organizations, unionization and organizational conflict, and the implications of increasing bureaucratization for citizens and society. Pr. 211 or consent of instructor. Markham. (Formerly 551).
- 491 Current Topics in Population (3:3).** A multidisciplinary seminar dealing with major topics concerned with national and international population. May be repeated for credit when topic varies. Pr. 339 and GEO 303. Same as GEO 491. Mitchell.
- 493-494 Honors Work (3)-(3).**
- 495 Senior Seminar: Contemporary Works In Sociology (3:3).** Critical review of significant recent books representing various fields in sociology. Pr. senior major.
- 497, 498 Special Problems In Sociology (2 to 3), (2 to 3).** Opportunity for students to have directed instruction on problems of special interest. Pr. consent of faculty member with whom students wish to work.

### Courses for Advanced Undergraduates and Graduates

- 501, 502 Selected Topics in Sociology (3:3), (3:3).** Opportunity for advanced student to study in-depth topic or issue of special interest. Pr. major in sociology and consent of instructor.
- 518 Advanced Data Analysis (3:2:2).** Application of advanced statistical concepts and procedures to sociological inquiry. Topics include multiple and partial correlation, regression, analysis of variance, and covariance. Computer application to data processing and statistical analysis included. Pr. 314 or consent of instructor.
- 521 Juvenile Delinquency (3:3).** Social dimensions of juvenile delinquency, comparisons of agencies of control and correction and programs of treatment and prevention. Pr. 6 hours of sociology at 300 level or above or consent of instructor. Primarily for undergraduates. Humphrey.
- 522 Seminar in Population and Urban Studies (3:3).** An advanced study of population processes and urban



- concepts from an interdisciplinary viewpoint. The course will emphasize accessing and interpreting data from the U.S. census and other sources. Pr. consent of instructor. Same as GEO 522. Mitchell.
- 526 Comparative Minority Relations (3:3).** Comparative study of ethnic, racial, religious and cultural conflict in Third World and industrialized societies. Attention given to the impact of ethnicity upon the processes and structure of societal development and change and to its interdependence with external factors in the international setting. Pr. 6 hours in sociology or consent of instructor. Burgess.
- 533 Political Sociology (3:3).** Influence of social values and social forces upon government policy and of government policy upon society. Examination of conflicting political sociological theories. Pr. one course in field of large-scale organization or consent of instructor. Luebke.
- 543 Urban Sociology (3:3).** Survey of urban growth, mobility, ethnic composition, spatial and social patterns; emphasis on pluralistic interests, conflict and change. Comparisons between American and non-American urbanization for purposes of assessing implications for planning and development. Pr. 6 hours of sociology at 300 level or above or consent of instructor. Mitchell.
- 552 Sociology of Science and Technology (3:3).** Nature and origins of modern science; relations of science and technology; science in democratic and authoritarian societies; images of scientists; origins and recruitment of scientists; career patterns; the organizational setting. Pr. six hours of sociology at 300 level or above, or consent of instructor.
- 553 Sociology of Occupations and Professions (3:3).** Nature and significance of work; cultural perspectives on work; occupational choice; socialization into work endeavors; career patterns; control of occupations and professions; labor and leisure; relationships to community and society. Pr. 6 hours of sociology at 300 level or above or consent of instructor. Brown.
- 555 Sociology of the Family (3:3).** Critical examination of various ways of studying family, with consideration given to methodology, statistical treatment of data and substantive findings. Pr. 314, 318, 355, or consent of instructor. Rallings. Not offered every year.
- 561 Sociology of Leisure (3:3).** A sociological inquiry into the nature and uses of leisure in human societies. Among topics considered are sports, play and games, popular culture and high culture, the relationship of work to time and leisure, leisure services and public policy. Pr. 211 or consent of instructor. Lindsay.
- 562 Sociology of Education (3:3).** Education as social system, its functions and its structural bases. Attention given to internal processes and structure of educational institutions and to their interdependent relationships with environing society. Pr. 6 hours of sociology at 300 level or above or consent of instructor. Lindsay.
- 571 Social Psychology (3:3).** Individual and collective behavior in relation to various social and cultural influences. Selected crucial problem areas of social psychological theory intensively examined in social and cultural perspective. Pr. 3 hours in sociology and 3 hours in psychology or consent of instructor. Knox.
- 572 The Small Group (3:3).** Structure and functioning of various kinds of small groups. Emphasis on objectives of groups; on processes of leadership, decision-making, interaction and change; and on consequences of group participation for individual. Reviews major field and laboratory studies and elaborates their theoretical significance. Pr. 3 hours in sociology and 3 hours in psychology or consent of instructor. Rallings.
- 574 Socialization (3:3).** Examination of fundamental theories of socialization and resocialization. Emphasis on studies dealing with the relationship between culture, society and the individual throughout the life cycle. Pr. 6 hours in sociology or consent of instructor. Knox. Not offered every year.
- 584 Marriage and Family Therapy (3:3).** Professional issues related to marriage and family therapy as practiced in the United States today, with emphasis on the socio-cultural environment, methods and techniques of treatment and evaluation of treatment. Pr. consent of instructor. Rallings.
- 586 Social Aspects of Aging (3:3).** Development of age status systems with special emphasis on old age in industrial societies. Problems viewed in the light of research findings. Pr. 6 hours in sociology or consent of instructor. Adams.
- 597, 598 Special Problems in Sociology (3), (3).** Opportunity for advanced student to undertake independent study or research of special interest. Pr. consent of faculty member with whom student wishes to work.

### ○ Courses for Graduates

- 601 Seminar in Sociological Analysis (3:3).**  
**605 Seminar in Management Organization Theory (3:3).**  
**614 Contemporary Sociological Theory (3:3).**  
**615 The Logic of Sociological Inquiry (3:3).**  
**616 Advanced Research Methods (3:1:3).**  
**619 Practicum in Evaluative Research (3:1:6).**  
**627 Social Conflict (3:3).**  
**628 Social Movements (3:3).**  
**636 Seminar in Stratification Theory and Research (3:3).**  
**643 Seminar in Urban Sociology (3).**  
**646 Teaching and Learning Sociological Concepts (3:3).**  
**697, 698 Special Problems in Sociology (3), (3).**  
**699 Thesis (3 to 6).**  
**800 Graduate Registration.**  
**801 Graduate Registration.**

**Spanish — See Romance Languages.**

**Speech Pathology and Audiology — See Communication and Theatre.**

**Statistics — See Mathematics.**



## Studio Art — See Art.

## Study Abroad

### Committee Members:

**Doryl Jensen**, Chairman, Department of German and Russian.

**Ronald Crutcher**, School of Music.

**James Ells**, Department of English.

**Mary Floyd**, Department of History.

**Jean-Paul Koenig**, Department of Romance Languages.

**Mark Smith-Soto**, Department of Romance Languages.

**James Cooley**, Director, International Studies Program, *ex officio*.

**Bert Goldman**, Dean, Academic Advising, *ex officio*.

UNC-G students interested in study abroad for academic credits may select from several opportunities. Students should consult the administrative coordinator of study abroad programs for current and additional information.

### Junior Year Abroad

A UNC-G student, who has completed the sophomore year in good standing and who has sufficient language training, may spend the junior year abroad under the auspices of an approved group or at an acceptably accredited institution. The group or institution must be recognized by the Council on Junior Year Abroad or the Committee on Junior Year Abroad of the Institute of International Education. Residence, whenever possible, is with a family in the host country.

Study abroad is carefully supervised by faculty members of the sponsoring group who, upon proof of satisfactory work, may recommend 30 semester hours of credit for one year of work. At times, examinations upon return may be required.

### UNC-G/Guilford College Summer Study and Travel Abroad

UNC-G and Guilford College jointly sponsor a six-week summer study program at several overseas locations with an opportunity for three additional weeks of travel.

Six hours of credit with quality points may be earned upon successful completion of the program.

## Teacher Certification, General — See

Teacher Education Chapter.

## Teacher Education, Elementary — See

Education.

## Urban Planning — See Geography.

## Urban Studies — See

Interdepartmental Studies.

## Veterinary Medicine — See Medicine,

Dentistry and Veterinary Medicine.

## WESTERN CIVILIZATION

### Committee Members:

**Allen W. Trelease**, Chairman, Acting Head, Department of History.

**Robert P. Newton**, Department of German and Russian.

**Walter Beale**, Department of English.

**Jodi Bilinkoff**, Department of History.

**Jeutonne Brewer**, *ex officio*, Assistant Dean, College of Arts and Sciences.

**Kenneth Caneva**, Department of History.

**James Clotfelter**, Department of Political Science.

**William Goode**, Department of Romance Languages.

**Mary W. Helms**, Department of Anthropology.

**Ronald D. Cassell**, Department of History.

**Gary Rosenkrantz**, Department of Philosophy.

**Karl A. Schleunes**, Department of History.

**Thomas Tedford**, Department of Communication and Theatre.

**William Tullar**, Department of Management.

**Richard Whitlock**, Department of Physics.

Western Civilization is a two-semester, interdisciplinary course emphasizing critical developments from ancient to modern times. Students from the professional schools who take the course receive Humanities Area credit. The course is divided into units with various thematic emphases. Units may be taught by a team of two faculty members or a panel of three or more faculty members. Class size in the team-taught course will normally be smaller and more conducive to student participation while the panels, though larger, will have the advantage of offering a more varied blend of disciplines and perspectives.

All units of the course are designed to acquaint the student with the structure, concepts and the development of Western Civilization and to provide an introduction to the Western cultural legacy. To facilitate this common, integrative aspect of the course, students will be required to read a basic history text and selections from a list of great authors central to the Western tradition. In addition, recognizing both the diversity of student interests and the richness of the Western experience, each unit of the course will reflect a thematic emphasis focusing on one particular aspect of the Western legacy. The thematic emphases available will vary from year to year, but normally the student will be able to choose a unit from among the major areas of human endeavor, the natural sciences, the social sciences or the humanities.

## Western Civilization-WCV/courses

- 101, 102** **Western Civilization (3:3), (3:3)**. Interdisciplinary study of Western Civilization emphasizing critical developments from ancient to modern times. Will emphasize themes relating history to the humanities (a), social sciences (b) or natural sciences (c). (H), (CWC).

## Women's Studies — See

Interdepartmental Studies.

## World Literature — See

Interdepartmental Studies.



# Appendix A

## Statistical Summaries

### Enrollment Summary for The Fall Semester 1984

	1984
Seniors .....	1882
Juniors .....	1919
Sophomores .....	1508
Freshmen .....	1584
Graduates .....	2766
Specials and Unclassified .....	431
Total .....	10090
Extension .....	204
TOTAL COLLEGIATE ENROLLMENT FALL 1984 ..	10294

### Summer School 1984

Summer Session .....	4534
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### Summary of Earned Degrees Granted at UNC-G on May 13, 1984

Source: Commencement Program for the 92nd Annual  
Commencement

Doctor of Philosophy .....	36
Doctor of Education .....	43
Specialist in Education .....	2
Certificate of Advanced Study .....	4
Master of Arts .....	49
Master of Education .....	199
Master of Library Science .....	23
Master of Science .....	28
Master of Science in Home Economics .....	4
Master of Fine Arts .....	47
Master of Music .....	21
Master of Business Administration .....	68
Master of Science in Business Education .....	7
Master of Public Affairs .....	7
Master of Science in Nursing .....	33
TOTAL GRADUATE DEGREES .....	571
Bachelor of Arts .....	382
Anthropology .....	5
Art .....	8
Biology .....	34
Chemistry .....	6
Drama .....	2
Economics .....	8
English .....	52
Geography .....	10
German .....	2
History .....	21
Interdepartmental .....	1
Latin .....	1
Linguistics .....	1
Mathematics .....	4
Music .....	3
Philosophy .....	2
Plan II .....	1
Political Science .....	32

Psychology .....	66
Religious Studies .....	1
Sociology .....	20
Spanish .....	3
Speech Communication .....	99
Bachelor of Science .....	635
Accounting .....	110
Business Administration .....	224
Business and Distributive Education .....	60
Chemistry .....	7
Dance Education .....	5
Early Childhood .....	38
Economics .....	10
Education of the Deaf .....	10
Health Education .....	13
Interior Design .....	25
Intermediate Education .....	19
Mathematics .....	27
Physical Education .....	11
Physics .....	7
Recreation .....	23
Social Work .....	28
Speech Pathology and Audiology .....	18
Bachelor of Science in Home Economics .....	144
Bachelor of Science in Medical Technology .....	11*
Bachelor of Fine Arts .....	51
Art Education .....	4
Art, other .....	22
Dance .....	2
Drama .....	23
Bachelor of Music .....	34
Bachelor of Science in Nursing .....	105
TOTAL BACHELOR DEGREES .....	1362
TOTAL EARNED DEGREES .....	1933

\*11 candidates to complete practicum in August 1984.

## Appendix B

### Affirmative Action Plan for The University of North Carolina at Greensboro

(Revised)

#### University Commitment to Nondiscriminatory Policies and Practices.

The University of North Carolina at Greensboro is fully committed to quality of opportunity in its relationships with all members of the University community whether they be students, faculty, non-academic personnel or administrative staff. This policy is stated officially in various documents adopted formally by reponsible University agencies. The Code adopted by the Board of Governors of The University of North Carolina affirms the following statement:

"Admission to, employment by, and promotion in The University of North Carolina and all of its constituent institutions shall be on the basis of merit, and there shall be no discrimination on the basis of race, color, creed, religion, sex, or national origin." (Chapter 1, Section 103).

At The University of North Carolina at Greensboro, the Chancellor has appointed his assistant to advise and initiate with regard to Affirmative Action policies in conjunction with an advisory committee representative of all groups of employees in the University. The following statement has been formulated to express the commitment to Affirmative Action.

"It is the goal of The University of North Carolina at Greensboro to achieve within all areas of employment a diverse faculty and staff capable of providing for excellence in the education of its students and for the enrichment of the total university community. In seeking to fill openings, every effort will be made to recruit in such a way that women and individuals from minority groups will have an equal opportunity to be considered and appointed to all vacant positions.

"The University is committed to a policy to recruit, appoint and promote for all job classifications without regard to race, creed, color, national origin, sex or age,<sup>1</sup> as is consistent with achieving a staff of diverse and competent persons.

"The University will administer all personnel actions such as compensations, benefits, promotions, grievance procedures, transfers, training and educational programs, tuition assistance, travel assistance, research grants, support for graduate assistants, social and recreation programs without regard to race, creed, color, national origin, sex or age.

"The University will establish a standing committee on equal employment opportunity and intergroup relations, appointed by the Chancellor, to act in an advisory capacity to him and to other members of the University reponsible for affirmative action and to act as an agency to monitor the implementation of affirmative action."

All employees of the University are expected to support the principle of and contribute to the realization of equal

employment opportunity. Affirmative action is a priority concern in all facets of operation.

<sup>1</sup>Consistent with University retirement policies.

\***Affirmative Action Plan** for The University of North Carolina at Greensboro, March 25, 1973, Chapter II.

## Appendix C

### Residence Status for Tuition Payment

**General.** The tuition charge for persons who qualify as residents for tuition purposes is substantially less than that for non-residents. The North Carolina law (General Statute 116-143.1) governing residence classification for tuition purposes is set forth in full below, and a complete explanation of the statute and the procedures under the statute is contained in **A Manual to Assist the Public Higher Education Institutions In North Carolina in the Matter of Student Residence Classification for Tuition Purposes.** Each enrolled student is responsible for knowing the contents of that manual, which is the controlling administrative statement of policy on this subject. Copies of the manual are available for inspection in the Business Office, the Library, the Graduate School Office, and the admitting offices.

To qualify as a resident for tuition purposes, a person must have established legal residence (domicile) in North Carolina and have maintained that legal residence for at least twelve months immediately prior to classification as a resident for tuition purposes. Two inquiries on the part of the institution are mandated by the statute. First, has the applicant for classification as a resident for tuition purposes in fact resided in North Carolina for a minimum period of twelve months immediately prior to the proposed effective date of his classification as a resident for tuition purposes? Second, during the twelve-month period in question, did the applicant's presence in the State constitute legal residence? Thus a carefully detailed inquiry must be made in each such case concerning the residential status of the applicant.

The burden of establishing facts which justify classification of a student as a resident entitled to in-state tuition rates is on the applicant for such classification, who must show his entitlement by the preponderance (the greater part) of the residentiary information. Being classified as a resident for tuition purposes is contingent upon the student's seeking such status and providing all the information that the institution may require in making the determination.

**Initial Classification.** Every applicant for admission is required to make a statement as to the length of his legal residence in North Carolina. Every applicant is classified as a resident or a non-resident for tuition purposes prior to actual matriculation, the admitting office making the initial residence classifications. Those not claiming to be residents for tuition purposes are, of course, classified as out-of-state students (non-residents) for tuition purposes. In the cases of applicants claiming to be residents for tuition purposes, the admitting office will classify an applicant as an out-of-state student if it appears to that office that the applicant should be



classified as an out-of-state student or if additional information is needed to support the applicant's claim to be a resident for tuition purposes.

**Subsequent Classification Inquiries: Reclassification.** A residential classification once assigned (and confirmed pursuant to any appeal properly taken) may be changed thereafter (with corresponding change in billing rates) only at intervals corresponding with the established primary divisions of the academic year.

The institution shall provide to each student at the time of and in connection with the transmission to him of each periodic bill for tuition charges a notice of the circumstances under which and the time at which a change in classification may occur.

A student who, due to subsequent events, becomes eligible for a change in classification, whether from out-of-state to in-state or the reverse, has the responsibility of immediately informing the Business Office of these circumstances in writing.

**Appeals.** A student may appeal a residence classification assigned by the admitting office by submitting to the Business Office a completed "Residence-and-Tuition-Status Application." (Application forms may be obtained from the Business Office or from any of the admitting offices.)

It is the responsibility of the student to pay tuition at the rate charged and billed while an appeal is pending. In effect, the student who is classified as a non-resident at the time of registration pays the non-resident rate. Conversely, if a student is classified as a resident at the time of billing, he pays the resident rate. Any necessary adjustment in the rate paid will be made at the conclusion of the appeal.

Students or prospective students who believe that they are entitled to be classified residents for tuition purposes should be aware that the process of requests and appeals can take a considerable amount of time and that applications for classification should not be delayed until registration, when the number of applications makes impossible accelerated handling.

The Business Office determination of residence classification may be appealed to the Residence Appeals Committee, and decisions of the Residence Appeals Committee may be appealed to the State Residence Committee. A written statement of the appeals procedure is provided by the Business Office to every applicant or student receiving an adverse decision from the Business Office.

**Transfer Students.** When a student transfers from one North Carolina public institution of higher education to another, he is treated as a new student by the institution to which he is transferring and must be assigned an initial residence status classification for tuition purposes.

**Minors.** Minors (persons under eighteen years of age) usually have the domicile of their parents, but certain special cases are recognized by the General Statute governing residence classification for tuition purposes.

**Allens and Foreigners.** Aliens lawfully admitted to the United States for permanent residence are subject to the same considerations as citizens in the determination of residency status for tuition purposes. Certain classes of non-resident aliens are subject to these same considerations, but certain classes are not. Fuller information on that point may be obtained from the "residence manual" mentioned above or from the Business Office.

**Members of the Armed Services.** Certain members of the armed services and their dependent relatives may be eligible to be charged the in-state tuition rate whether or not they qualify as residents for tuition purposes under G.S. 116-143.1. The armed services member and any dependent relatives claiming benefit of the in-state tuition rate must be living in the same household in North Carolina incident to the military member's active military duty in North Carolina.

#### General Statute Governing Residence Classification

##### G.S. 116-143.1 Provisions for determining resident status for tuition purposes.

(a) As defined under this section:

- (1) A "legal resident" or "resident" is a person who qualifies as a domiciliary of North Carolina; a "non-resident" is a person who does not qualify as a domiciliary of North Carolina.
- (2) A "resident for tuition purposes" is a person who qualifies for the in-state tuition rate; a "non-resident for tuition purposes" is a person who does not qualify for the in-state tuition rate.
- (3) "Institution of higher education" means any of the constituent institutions of The University of North Carolina and the community colleges and technical institutes under the jurisdiction of the North Carolina State Board of Education.

(b) To qualify as a resident for tuition purposes, a person must have established legal residence (domicile) in North Carolina and maintained that legal residence for at least 12 months immediately prior to his or her classification as a resident for tuition purposes. Every applicant for admission shall be required to make a statement as to his length of residence in the State.

(c) To be eligible for classification as a resident for tuition purposes, a person must establish that his or her presence in the State currently is, and during the requisite 12-month qualifying period was, for purposes of maintaining a bona fide domicile rather than of maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education.

(d) An individual shall not be classified as a resident for tuition purposes and, thus, not rendered eligible to receive the in-state tuition rate, until he or she has provided such evidence related to legal residence and its duration as may be required by officials of the institution of higher education from which the individual seeks the in-state tuition rate.

(e) When an individual presents evidence that the individual has living parent(s) or court-appointed guardian of the person, the legal residence of such parent(s) or guardian shall be prima facie evidence of the individual's legal residence, which may be reinforced or rebutted relative to the age and general circumstances of the individual by the other evidence of legal residence required of or as presented by the individual; provided, that the legal residence of an individual's parents who are domiciled outside this State shall not be prima facie evidence of the individual's legal residence if the individual has lived in this State the five consecutive years prior to enrolling or reregistering at the institution of higher education at which resident status for tuition purposes is sought.

(f) In making domiciliary determinations related to the



classification of persons as residents or non-residents for tuition purposes, the domicile of a married person, irrespective of sex, shall be determined, as in the case of an unmarried person, by reference to all relevant evidence of domiciliary intent. For purposes of this section:

- (1) No person shall be precluded, solely by reason of marriage to a person domiciled outside North Carolina, from establishing or maintaining legal residence in North Carolina and subsequently qualifying or continuing to qualify as a resident for tuition purposes.
  - (2) No person shall be deemed, solely by reason of marriage to a person domiciled in North Carolina, to have established or maintained a legal residence in North Carolina and subsequently to have qualified or continued to qualify as a resident for tuition purposes.
  - (3) In determining the domicile of a married person, irrespective of sex, the fact of marriage and the place of domicile of his or her spouse shall be deemed relevant evidence to be considered in ascertaining domiciliary intent.
- (g) Any non-resident person, irrespective of sex, who marries a legal resident, may, upon becoming a legal resident of this State, accede to the benefit of the spouse's immediately precedent duration as a legal resident for purposes of satisfying the 12-month durational requirement of this section.
- (h) No person shall lose his or her resident status for tuition purposes solely by reason of serving in the armed forces outside the State.
- (i) A person who, having acquired bona fide legal residence in North Carolina, has been classified as a resident for tuition purposes but who, while enrolled in a State institution of higher education, loses North Carolina legal residence, shall continue to enjoy the in-state tuition rate for a statutory grace period. This grace period shall be measured from the date on which the culminating circumstances arose that caused loss of legal residence and shall continue for 12 months; provided, that a resident's marriage to a person domiciled outside of North Carolina shall not be deemed a culminating circumstance even when said resident's spouse continues to be domiciled outside of North Carolina; and provided, further, that if the 12-month period ends during a semester or academic term in which such a former resident is enrolled at a State institution of higher education, such grace period shall extend, in addition, to the end of that semester or academic term.
- (j) Notwithstanding the prima facie evidence of legal residence of an individual derived pursuant to subsection (e), notwithstanding the presumptions of the legal residence of a minor established by common law, and notwithstanding the authority of a judicially determined custody award of a minor, for purposes of this section, the legal residence of a minor whose parents are divorced, separated, or otherwise living apart shall be deemed to be North Carolina for the time period relative to which either parent is entitled to claim and does in fact claim the minor as a dependent pursuant to the North Carolina individual income tax provisions of G.S. 105-149 (a)(5). The provisions of this subsection shall pertain only to a minor who is claimed as a dependent by a North Carolina legal resident.

Any person who immediately prior to his or her eighteenth birthday would have been deemed under this subsection a

North Carolina legal resident but who achieves majority before enrolling at an institution of higher education shall not lose the benefit of this subsection if that person:

- (1) upon achieving majority, acts, to the extent that the person's degree of actual emancipation permits, in a manner consistent with bona fide legal resident in North Carolina; and
  - (2) begins enrollment at an institution of higher education not later than the fall academic term next following completion of education prerequisite to admission at such institution.
- (k) Notwithstanding other provisions of this section, a minor who satisfies the following conditions immediately prior to commencement of an enrolled term at an institution of higher education, shall be accorded resident tuition status for that term:
- (1) the minor has lived for five or more consecutive years continuing to such term in North Carolina in the home of an adult relative, other than a parent, domiciled in this State; and
  - (2) the adult relative has functioned during those years as a de facto guardian of the minor and exercised day-to-day care, supervision, and control of the minor.

A person who immediately prior to his or her eighteenth birthday qualified for or was accorded resident status for tuition purposes pursuant to this subsection shall be deemed upon achieving majority to be a legal resident of North Carolina of at least 12 months duration; provided, that the legal residence of such an adult person shall be deemed to continue in North Carolina only so long as the person does not abandon legal residence in this State.

(l) Any person who ceases to be enrolled at or graduates from an institution of higher education while classified as a resident for tuition purposes and subsequently abandons North Carolina domicile shall be permitted to reenroll at an institution of higher education as a resident for tuition purposes without necessity of meeting the 12-month durational requirement of this section if the person reestablishes North Carolina domicile within 12 months of abandonment of North Carolina domicile and continuously maintains the reestablished North Carolina domicile at least through the beginning of the academic term(s) for which in-state tuition status is sought. The benefit of this subsection shall be accorded not more than once to any one person.

### **116-143.3. Tuition of Personnel in the Armed Services.**

(a) For purposes of this section the term "armed services" shall mean the United States Air Force, Army, Coast Guard, Marine Corps, and Navy; the North Carolina National Guard; and any Reserve Component of the foregoing. The term "abode" shall mean the place where a person actually lives, whether temporarily or permanently; the term "abide" shall mean to live in a given place.

(b) Any member of the armed services, upon qualification for admission to an institution of higher education as defined in G.S. 116-143.1 (a)(3), shall be eligible to be charged the in-State tuition rate at that institution while abiding in this State incident to active military duty.

(c) Any dependent relative of a member of the armed services as defined by the Board of Governors of The University of North Carolina and by the North Carolina Board of Community Colleges while sharing the abode of that member



shall be accorded the benefit available to that member pursuant to subsection (b), above, if the dependent relative qualifies for admission at an institution of higher education as defined in G.S. 116-143.1 (a)(3). In the event the member of the armed services removes his abode from North Carolina during an academic year, the dependent relative shall continue to be eligible for the in-State tuition rate during the remainder of that academic year.

(d) The burden of proving entitlement to the benefit of this section shall lie with the applicant therefor.

(e) A person receiving the in-State tuition benefit solely by reason of this section shall not, during the period of receiving that benefit, qualify for or be the basis of conferring the benefits of G.S. 116-143.1 (g), (h), (i), (j), (k), or (l).

## Appendix D

### UNC-G Scholarships and Loans

The following scholarships and loan funds are arranged in alphabetical order by the key word in each title and according to who selects recipients. The description of each fund includes the major criteria by which awards are made. All funds are administered and awarded according to the guidelines established by the donors and to institutional, state, and federal policies for financial aid awards.

### General Scholarships

These scholarships are administered by the Student Aid Office, and, except in specified cases where separate application is needed, all students who complete the financial aid application process are automatically considered for these scholarships.

**The Charles Burchette Allen Scholarship.** This scholarship was established in 1975 in memory of Charles Burchette Allen, U.S. Navy, who died while in the service of his country, by his parents the late Dr. Roscoe J. Allen, former Director of the Administrative Computer Center and Professor of Business, and Mrs. Allen. The income is to be awarded to a student in business education.

**Alpha Phi Omega Service Award.** The University's Kappa Chapter of Alpha Phi Omega Service Fraternity established a scholarship fund in 1972. Income from the fund will be awarded each year by the University Scholarship Committee to an incoming freshman student who has displayed significant service to his high school or community, who shows potential leadership and scholarship ability and who has financial need.

**Alumni Scholarships.** The Alumni Association of the University through its Annual Giving Program has established a scholarship program for incoming freshmen. Recipients, who are designated as Alumni Scholars, are selected on the basis of academic standing, intellectual promise, character, leadership ability, and demonstrated ambition. The amount of the scholarship stipends is \$1,500 per year, and the awards may be renewed for three successive years of undergraduate study if the scholar's performance is satisfactory. An interested student should complete the Competitive Awards

application, available from the Student Aid Office, by January 1.

**American Business Women's Association Scholarship Fund.** The Greensboro Chapters of the American Business Women's Association established the ABWA Scholarship Fund on March 14, 1963. The earnings from this fund will be used to provide scholarships for deserving students desiring to better themselves through education. The amount of the scholarship awards and the selection of the recipients will be determined by the University Scholarship Committee working with the educational chairpersons of the chapters involved.

**Katharine Gregg Barber Scholarship.** Katharine Gregg Barber, class of 1923, established this fund in 1981 for the purpose of assisting needy and worthy students at UNC-G. All students of above average scholastic ability who apply for and demonstrate financial need for assistance are considered for this award.

**Janet Weil Bluethenthal Scholarship.** The children of Janet Weil Bluethenthal established this scholarship in 1982 to honor their mother. Awards are made annually to North Carolina residents based on merit, as evidenced by outstanding scholarship and leadership. Recipients are selected by the University Scholarship Committee in conjunction with the Student Aid Office.

**Jessie Lee and Landron Clifford Boney Scholarship Fund.** In November 1983, Rosemary Boney Neil '52, Dixie Boney Soo '55, and Lynette Boney Wrenn '49 established this fund in honor of their parents. Income from the fund is awarded annually to a student(s) preferably from Sampson County, NC. The award(s) are based on both need and merit with recipients chosen by the Student Aid Office.

**The Hennie Bynum Fund.** The late Judge John Gray Bynum bequeathed to the University a fund which is used to aid young women from the Presbyterian Church at Morganton, North Carolina.

**The Class of 1965 Scholarship.** The income from a fund established by the Class of 1965 will be given each year to a rising junior who has financial need.

**The Class of 1966 Scholarship.** This fund was established by the Class of 1966 in memory of former faculty members Dr. Helen Bedon, Dr. John Bridgers, Jr., and Randall Jarrell. The income from this fund is to be given to students on the basis of financial need.

**Jessie Sinclair Collings Memorial Scholarship Fund.** In 1983 Dr. Ruth M. Collings, through a bequest from her estate, established this fund in memory of her mother. The income from the fund is to be awarded as a scholarship to a woman premedical student. Recipients are chosen by the Student Aid Office, after conferring with the Preprofessional Programs Advisory Committee, primarily on the basis of academic achievement. Financial need may also be considered.

**Ruth M. Collings Endowed Scholarship Fund.** Members and friends of the Class of 1931 established the Ruth M. Collings Endowed Scholarship Fund in 1981. Income from this fund is awarded as scholarships to deserving undergraduate students majoring in health-related disciplines. Recipients are selected on the basis of academic promise and financial need. The awards range from \$500 to \$1500 per year and may be renewed as long as the recipients remain in good standing at the University.

**Maggie E. Davls Scholarship.** In 1972, Mrs. Iva Davis Holland



established a scholarship fund in honor of her mother. Scholarships are awarded to students who have a genuine desire to obtain an education and who are willing to exert to the full extent of their individual capacity to obtain that education. Residents of North Carolina are given priority. **The Maggie E. Davis Fund**, also provided by Mrs. Iva Davis Holland, makes assistance available to students who need relatively small amounts for books, educational materials or expenses in order to stay in school.

**Harriet Elliott Scholarship.** The Class of 1950 established this scholarship in 1975, on the occasion of the 25th anniversary of their graduation, in memory of Harriet Elliott, who served on the history faculty and as Dean of Women. An annual award is made to a rising senior who has done well at the University and has financial need.

**Escheats Fund.** A number of scholarships are given each year to students who are residents of North Carolina, through the Escheats Fund of The University of North Carolina. Awards are based on demonstrated financial need.

**Robert Andrew Fiemling and Mary Cottrell Fleming Scholarship.** In 1979, Michael B. Fleming and Robert A. Fleming contributed funds for a scholarship in memory of their parents. The income from the endowment will be awarded annually to a commuter student selected primarily on the basis of need.

**Marvin M. Fowler Scholarship.** Mrs. Paul D. Fowler established this scholarship to honor her husband, Marvin M. Fowler, an outstanding civic leader in North Carolina. Three of Mr. Fowler's daughters and a granddaughter all attended UNC-G. This scholarship is awarded annually to recipients selected by the UNC-G Student Financial Aid Office.

**The James S. and Frances C. Ferguson Scholarship.** The James S. and Frances C. Ferguson Scholarship was established in 1978 to honor Dr. and Mrs. James S. Ferguson, in appreciation for their years of service to the University. Additional funds were added to the fund at the time of Dr. Ferguson's retirement in 1979 as Chancellor of UNC-G. A scholarship award of \$2,500 is made to an outstanding out-of-state student selected on the basis of leadership, extracurricular attainments and high scholastic ability. The award, which is given every other year to an entering freshman, may be renewed for three successive years of undergraduate study at UNC-G. Students must apply by January 1 by completing the Competitive Scholarships application available from the Student Aid Office.

**Forsyth County Alumni Chapter Scholarship.** The Forsyth County Chapter of the Alumni Association established this fund in 1961 to honor all UNC-G alumni from Forsyth County. Awards are made to entering freshman students from Forsyth County, and selection is on the basis of financial need and academic promise.

**Gillam Scholarship.** In 1979 Bess Gillam Kerley, UNC-G Class of 1940, established the Gillam Scholarship Fund in memory of her parents, Mr. and Mrs. O.A. Gillam. The income from the fund is awarded to undergraduate students from Burke County, North Carolina, majoring in Home Economics.

**Margaret Bynum Glen Scholarship.** This fund was endowed by Lily Glen Richmond, in honor of her mother Margaret Bynum Glen. Preference for the scholarship is given to students who are lineal descendants or relatives, but other students are eligible to receive the award.

**Golden Chain Scholarship.** This award was established in

1973 in honor of Katherine Taylor by the student members of the Golden Chain. The recipient of the award is chosen annually by the Golden Chain Society in conjunction with the Student Aid Office on the basis of scholarship, leadership, service, and financial need.

**Jennie Cummings and Benjamin H. Hoskins Scholarship.** The fund was endowed in 1976 as a tribute to Jennie Cummings and Benjamin H. Hoskins. An annual award is made by the University Scholarship Committee.

**Kenneth C. Hunt Memorial Scholarship Fund.** The fund was established in 1975 in memory of Kenneth C. Hunt, a student at UNC-G. Income from the fund is awarded annually to an upperclass student, selected on the basis of need, talent and academic achievement.

**The Jefferson-Pilot Scholarships.** These scholarships were established by Jefferson-Pilot Life Insurance Company in 1961. An award of \$1,000 will be made each year to an incoming freshman chosen on the basis of character, scholarship, leadership and financial need. The scholarship is renewable subject to satisfactory performance by the scholar. An interested student should complete the Competitive Scholarships application, available from the Student Aid Office, by January 1.

**Betty Brown Jester Scholarship.** Alumnae and friends of Betty Brown Jester, former Alumnae Secretary, have established a fund in her honor. The income is given annually to a needy student.

**James M. Johnston Awards.** The James M. Johnston Trust, administered by the Student Aid Office at the University of North Carolina at Chapel Hill, provides scholarship assistance to a limited number of freshman students who plan to enroll at UNC-G and to major in fields of study not offered on the Chapel Hill campus. Scholarship stipends are determined by the financial need of the selected recipients. All eligible students who apply for financial aid from UNC-G will be considered for the Johnston Awards.

**Mary Fields Jones Memorial Scholarship.** This scholarship, established by the alumni of Cumberland County, is given annually to a student from Cumberland County.

**The Roxie Armfield King Scholarships.** The Roxie Armfield King Scholarships are made possible through the generosity of the late Mrs. Roxie Armfield King, a long-time resident of Guilford County. Mrs. King bequeathed to UNC-G a substantial sum, the income from which is used for the purpose of giving encouragement and financial assistance to worthy students who are residents of North Carolina.

**The Ethel Stewart Kiser Scholarship.** This fund was established in 1968 by the friends and family of Ethel Stewart Kiser. An award is made every four years to a deserving needy student who is interested in pursuing a four-year course in the School of Nursing. Preference is given to students from Harnett County. The fund provides a grant of \$200 per year for four years.

**Neil Hendrix Knight Scholarship.** The Greensboro Branch of the Guilford County Medical Auxiliary established this fund in 1965. Scholarship awards are made each year to deserving students in the nursing major. Preference is given first to students from Guilford County and second to students from North Carolina.

**Mildred Salter and Wren E. Laurence Scholarship.** This fund was established by Wren E. Laurence in 1983 in memory of his wife, Mildred Salter Laurence, Class of 1930, a science



teacher in Cartaret County for 34 years. Annual awards are made to students from Cartaret County, preferably graduates of East Cartaret High School, who demonstrate financial need and an interest in the study of science.

**Maryland Alumni Chapter Scholarship.** The fund was established in 1976 by the Baltimore Chapter of the Alumni Association to honor all UNC-G alumni from Maryland. An award is made annually to an undergraduate student who is a resident of Maryland and who has academic promise and financial need.

**Junius Ayers and Jean Booth Matheson Scholarship.** The estate of Jean Booth Matheson established the Junius Ayers and Jean Booth Matheson Scholarship in honor of her parents. Awards from this fund are made to female students from the Catawba and Orange Presbyteries who wish to further their education and are in need of financial assistance.

**Mayberry Scholarship.** Virginia Mayberry Elam, Class of 1944, provided funds to establish the Mayberry Scholarships, to be awarded annually by the Student Financial Aid Office.

**Helen McBee Scholarship.** Helen McBee, Class of 1929, established this fund in 1977 for the purpose of assisting needy and worthy students from Mitchell High School (or its successor school), Mitchell County, North Carolina. If at any given time there is no suitable applicant from Mitchell High School, the award may be given to another student from Western North Carolina.

**The Hattie DeBerry Melsenheimer Scholarship Fund.** The income from a trust created under the will of the late C.A. Meisenheimer is used for scholarships honoring the memory of Mrs. Meisenheimer, an alumna of UNC-G.

**Minority Presence Scholarships.** The North Carolina General Assembly allocates funds to UNC-G for scholarships to increase the presence of minority students on the campus. The awards are intended to encourage black students to enroll at UNC-G and are available to entering graduate and undergraduate North Carolina residents who will be full-time students in degree programs and who have financial need. Application should be made to the Student Aid Office.

**Neo-Black Society Achievement Award.** The Neo-Black Society of UNC-G provides an annual award to a student who is academically motivated, shows promise as a leader, and is an active member of the Neo-Black Society.

**Rebecca R. Nicholson, Magna J. Nicholson and Audrie Nicholson Bolling Scholarship Fund.** In October 1984 Kenneth Nicholson and Melva Nicholson established this fund as a memorial to their mother, father and sister. Awards from the fund are made annually to students who need financial assistance and demonstrate willingness to apply themselves to improve their quality of life.

**The Mollie Ann Peterson Scholarship.** Miss Mollie Ann Peterson, a former faculty member, by her will established a scholarship fund at UNC-G to be used to provide assistance to black female students who are preparing to teach. The award is based upon financial need and academic promise.

**Palmyra Pharr Scholarship Fund.** Dr. Fred W. Morrison, a former member of the University faculty, established this fund in 1942 in honor of his mother, Palmyra Pharr Morrison, and has made subsequent additions to the fund. Preference is given to residents of Rowan and Cabarrus counties.

**Helen Lee Pickard Memorial Scholarship.** This memorial scholarship has been established by friends of Helen Lee

Pickard, who for many years was Assistant to the Business Manager at the University. The income from the fund is given annually to a needy student.

**Alice McArver Ratchford Scholarships.** Mrs. Audrey R. Wagner of Charlotte, N.C., established the Alice McArver Ratchford Scholarship fund in 1972 in honor of her mother. Annual awards are made by the University Scholarship Committee to undergraduate students at the University. Recipients are selected on the basis of financial need and promise of development into worthy members of the student body and into good citizens.

**Katharine Smith Reynolds Scholarships.** This scholarship program was established by the Z. Smith Reynolds Foundation in 1962 as a memorial to Mrs. Katharine Smith Reynolds. All entering freshmen who are legal residents of North Carolina and who meet the requirements for admission to the undergraduate program of UNC-G are eligible to apply for the Reynolds Scholarships. Scholars are selected on the basis of superior academic achievement and potential, qualities of leadership and interest in others and motivation towards useful purposes in life. Scholarship awards are \$1,500 per year. An interested student should complete the Competitive Awards application, available from the Student Aid Office, before January 1.

**Dr. Moses Edward Rice Jr. Town Student Scholarship.** An endowed scholarship was established in 1973 by the Town Students Association in memory of Dr. Moses Edward Rice Jr., a member of the staff of the University Health Service. The scholarship is awarded annually by the University Scholarship Committee to a deserving town student in need of financial assistance.

**The Bessie Holmes and George B. Robbins Scholarship.** Endowed in 1975 by the estate of George B. Robbins, educator and school principal from Alamance County, scholarships will be awarded annually for undergraduate students who have financial need. Special consideration will be given to students from Alamance County and from Ragsdale High School in Guilford County.

**The David B. and Mary Umstead Roberts Scholarship.** Established in 1968 by a bequest from Miss L. Pauline Roberts, the net income from this fund is used to assist worthy girls from Mangum Township in Durham County. The amount of the award is based upon the financial need of the applicant. If no applicant from Mangum Township qualifies for the award, the fund may be used to assist other students from Durham County.

**The William B. Rodman Fund.** Descendants of the late William B. Rodman who attend UNC-G are eligible for scholarships valued at \$200 per year. Other North Carolina residents, with preference given to individuals from Hyde County, are considered for loans of up to \$200 per year. Students interested in being considered for assistance from this fund should contact the Student Aid Office.

**The Judge H. Hoyle Sink Scholarship.** Established in 1968 by Mrs. Wilson Brown Prophet Jr. (1944) in honor of her father, this fund provides assistance to students from rural areas whose high school records indicate potential for academic achievement and who demonstrate financial need.

**Bernice Love Stadiem Memorial Scholarship.** Members of Mrs. Stadiem's family established this scholarship in her memory. Mrs. Stadiem was a member of the Class of 1934 and a UNC-G faculty member from 1963-1979. Recipients of the



scholarships will be undergraduate students majoring in the liberal arts and will be selected on the basis of academic promise and financial need.

**Betty Anne Ragland Stanback Scholarship.** In 1977, friends and family of Betty Anne Ragland Stanback, a member of the Class of 1946, established the scholarship fund in her memory. Mrs. Stanback served UNC-G as president of the Alumni Association, chairman of the Alumni Giving Council, and member of the Board of Trustees. The scholarship is awarded annually by the University Scholarship Committee to a student selected on the basis of academic excellence and financial need. Special consideration is given to students from Rowan County.

**Taylor George Steele Memorial Scholarship.** Mr. and Mrs. George H. Steele Jr., family and friends established a scholarship in 1973 as a memorial to Taylor George Steele, member of the UNC-G Class of 1975. The scholarship is awarded annually to a student entering the freshman class from Western Guilford High School. Applicants for the scholarship are to be recommended to the University Scholarship Committee by the counseling and teaching staff of the high school.

**The Sigmund Sternberger Scholarships.** These scholarships were established on January 15, 1970, by the Sigmund Sternberger Foundation Trustees in honor of Sigmund Sternberger, who was engaged in textile manufacturing in Greensboro and was a prominent civic leader. The scholarships will be awarded to residents of North Carolina with preference given to residents of Greensboro and/or Guilford County.

**David Spurgeon, Wincy Julette Black and Fannie Sumner Scholarship.** Miss Laura Sumner established this fund as a memorial to her parents, David S. and Wincy Julette Black Sumner, and her sister, Fannie Sumner. The income from the fund is to be awarded to a student from Randolph County entering the University to pursue studies in the liberal arts. The scholarship is awarded on the basis of merit and financial need.

**C.M. and M.D. Suther Scholarship.** A Suther Scholarship is awarded annually to a full-time North Carolina resident undergraduate student on the basis of academic standing and financial need. Recipients are chosen by the Student Aid Office. Awards are non-renewable and vary in amount according to income available from the trust.

**William Holt and Ella Rea Turrentine Scholarships.** The Turrentine Scholarships, provided by the William Holt and Ella Rea Turrentine Memorial Educational Foundation, are available to needy students from Alamance County. Eligible students who apply to UNC-G for financial assistance will be considered for the Turrentine Scholarships. Scholarship stipends are based on financial need with the maximum award being \$2,100 per year.

**University Stores.** Profits derived from the operation of campus stores and merchandising activities are devoted to grants-in-aid to students selected on the basis of character, citizenship, financial need and complete compliance with all requirements of the University pertaining to admission and normal academic progress.

**University Women's Club Scholarship.** The fund was established in 1971 by the University Women's Club of UNC-G. An annual scholarship is awarded to an incoming

freshman student on the basis of financial need and academic potential.

**Ethel F. Vatz Scholarship.** By a bequest to the University, Mrs. Ethel F. Vatz established this scholarship fund. Awards are made on the basis of character, ability and financial need.

**Wake County Alumni Chapter Scholarship.** Members of the Wake County Chapter of the UNC-G Alumni Association provide funds for awards to students from Wake County. The selection of recipients is based on academic promise and achievement and on financial need.

**George Walston Memorial Scholarship Fund.** This fund was established in 1979 by Home Federal Savings and Loan Association in honor of George Walston, longtime president of Home Federal and active member of the Greensboro community. An annual award of \$500 is made to a deserving student in the School of Business and Economics.

**The Mina Weil Memorial Scholarship Fund.** In memory of her mother, Mrs. Mina Weil, Miss Gertrude Weil established a scholarship in the social sciences. The income from this fund is awarded annually to a member of the junior or senior class who is majoring in a social science.

**Mina Weil Scholarship for Foreign Students.** Established in 1968 by Miss Gertrude Weil, this fund is used to support an annual grant to a foreign student. The recipient is selected by the Committee on Scholarships and Student Aid.

**The Wesley Long Hospital Scholarship-Loan.** The Wesley Long Hospital, Inc. contributes funds to the University for scholarship-loan awards of \$750 per year to students in the junior and senior years of the nursing program at UNC-G. An award may be partially cancelled for a year of full-time employment as a staff nurse at The Wesley Long Hospital.

**Elizabeth Steinhardt Widmer and Ray Price Widmer Scholarship Fund.** Elizabeth Steinhardt Widmer, '29, and her husband, Ray Price Widmer, established this fund in December 1984. The Widmers, who have been recognized as outstanding citizens in Bertie County, North Carolina, have expressed the intent that this fund be awarded to individuals who demonstrate academic achievement and participation in extra-curricular activities.

**The Jewel Sydney Williams Scholarship.** This fund was established in 1970 in memory of Miss Jewel Sydney Williams, who at the time of her death was a member of the faculty of the Department of History and Political Science. Awards are made by the University Scholarship Committee to incoming freshmen.

**Mary Ann Cooper Winslow Scholarship Fund.** This fund was established by Alma Winslow West, Class of 1919, in memory of her mother. Income from this fund is to be awarded annually with preference given to students from the general areas of Elizabeth City, North Carolina, and/or Richmond, Virginia. Recipients are selected primarily on the basis of above average academic achievement and participation in associated well-rounded activities.

**The Betty Woodroof Scholarship.** The Women's Auxiliary of the Moses H. Cone Memorial Hospital established this scholarship in 1970 as a memorial to one of its members. The fund provides a \$1,000 per year scholarship for four years of study to a student in the School of Nursing. Selection is made by the Faculty Scholarship Committee and the Dean of the School of Nursing on the basis of financial need, academic standing and character.



**Lillian B. Wortham and Callie Bronson Wortham Scholarship.**

The Lillian B. Wortham and Callie Bronson Wortham Fund was established by a bequest from Thomas A. Wortham. Income from the account is awarded to deserving women students who have demonstrated academic achievement.

**Departmental Scholarships**

Recipients of these scholarships are nominated or selected by academic departments or schools or, in a few cases, by designated committees and are generally restricted to specific areas of study.

**The Rev. and Mrs. G.D. Albanese Scholarship.** This scholarship was established in 1971 in honor of The Reverend and Mrs. G.D. Albanese, parents of Dr. Naomi G. Albanese, former Dean of the School of Home Economics. Awards are made annually to students in the School of Home Economics.

**Mary Blair Allison Scholarship.** The Mary Blair Allison Scholarship Fund was established in 1979 by Mrs. J. Barnwell Allison, UNC-G Class of 1923. The income from the fund provides an annual scholarship to a student majoring in Elementary Education.

**Henry L. Anderson Memorial Scholarship.** The Henry L. Anderson Memorial Scholarship fund was established in 1972 by friends of Dr. Anderson, who was a member of the faculty in the Department of Chemistry. The income from the endowment is awarded each year by the head of the Chemistry Department to an upperclass student majoring in chemistry. Selection will be on the basis of academic record and promise of achievement in the field of chemistry.

**The Kristin Anderson Scholarship.** The parents of Miss Kristin Anderson, a member of the class of 1965, established a scholarship in memory of their daughter who was killed in an airplane crash in 1969. The scholarship is awarded to a student who is majoring in interior design in the School of Home Economics.

**Ethel Stephens Arnett Scholarship.** The Ethel Stephens Arnett Scholarship was established in 1981 by her daughters, Georgia Arnett Bonds and Dorothy Arnett Dixon. Income from the fund is awarded by the University Scholarship Committee each year to a sophomore, junior or senior majoring in history or English. Academic achievement, with a student holding a 3.0 overall academic average, is to be a major consideration.

**The Winfield S. Barney Award.** In 1956 the colleagues, friends and former students of Dr. W.S. Barney, chairman of the Department of Romance Languages, established this fund in his memory. The income from it is periodically used for an award to senior students of Romance Languages with distinguished academic records.

**Helen Barton Scholarship.** Dr. Helen Barton, a member of the faculty in the Department of Mathematics, provided in her will funds for the establishment of a scholarship to be awarded annually (or every two years) to a mathematics major who has shown real interest and ability in mathematics.

**Kathleen Price and Joseph M. Bryan Endowment Fund.** Joseph M. Bryan established this fund in 1983 to provide undergraduate scholarships and graduate fellowships for students in business and economics. Six undergraduate recipients are chosen each year through the Competitive Awards Program in conjunction with the School of Business

and Economics, and are provided with annual stipends of \$1500. Awards are based primarily on merit. Interested students should complete the Competitive Awards application, available from the Student Aid Office, by January 1.

**Frances B. Buchanan Scholarship In Home Economics.** A scholarship is awarded in memory of Dr. Buchanan who was a member of the faculty in clothing and textiles for fourteen years before her death in 1974.

**The Bess Scott Causey Scholarship.** Mrs. Nancy Scott Causey Dawson, Class of 1940, established on October 15, 1965, the Bess Scott Causey Scholarship as a memorial to her mother. It will be awarded each year to an outstanding student majoring in creative writing who is entering the senior year.

**Oliver Perry and Betty Carol Clutts Scholarship.** The Oliver P. Clutts family established a fund in 1972 as a memorial to Professor Clutts, a member of the faculty in the School of Education, and to Dr. Betty Carol Clutts, a member of the faculty in the Department of History. Income from the fund will be used to support scholarships which shall be awarded annually to a student majoring in education and a student majoring in history. Selection is on the basis of talent and academic promise, with financial need as a secondary consideration.

**The Mary Channing Coleman Memorial Scholarship.** This fund was established by the faculty and the graduates of the School of Health, Physical Education, Recreation and Dance in memory of Miss Mary Channing Coleman, who was head of the physical education department from 1920 until her death in 1947. The scholarship is awarded to a senior candidate for a degree in physical education. If there is no member of the graduating class who meets the conditions of the scholarship committee, the committee shall have the right to award the scholarship to a student who has completed undergraduate professional education at UNC-G within the preceding five years.

**Barbara and Herman Cone Jr. Scholarships.** Mr. and Mrs. Herman Cone Jr., established The Barbara and Herman Cone Jr. Scholarships in January 1967. An award will be made each year to a freshman majoring in music. The value of this scholarship is \$400, renewable each year so long as the student maintains satisfactory scholastic and musical progress. Applicants must have been previously approved for the music major. For information write to the Dean of the School of Music.

**Alyse Smith Cooper Scholarships.** The Alyse Smith Cooper Scholarships were established by Mrs. Alyse Smith Cooper in 1962 as an aid to talented students in music. The scholarships, which may vary from \$100 to \$375 per year, are awarded to undergraduate music students, selected on the basis of performance ability, as well as financial need. Applicants must have been previously approved for the music major. Further information may be obtained from the Dean of the School of Music.

**Dorothy Davis Scholarship.** The UNC-G Recreation Society provides support through membership dues, contributions, and fund-raising drives for the Dorothy Davis Scholarship. An annual award is made to a junior recreation major who has at least a 3.0 academic average and exhibits leadership qualities.

**Katharine Smith DeBerry and Cornella (Nena) Marshall DeBerry Scholarships.** This fund was established by the will



of Cornelia (Nena) Marshall DeBerry as a memorial to her sister, Katharine Smith DeBerry, who died while a student at The University of North Carolina at Greensboro. Awards from this fund are made to worthy and deserving students who intend to pursue careers in elementary education.

**Delta Kappa Gamma Recruitment Grants.** The Greensboro Chapters of the Delta Kappa Gamma Society—Alpha, Beta Beta, Beta Delta and Beta Gamma—established the Delta Kappa Gamma Recruitment Grants in 1968. Grants are made annually to worthy members of the senior class in teacher education. The primary purpose of the grants is to help with expenses incurred in student teaching.

**Draper-Gullander-Largent Graduate Fellowship.** This fund was established in 1968 in honor of Miss Bernice Draper, Miss Magnhilde Gullander, and Miss Vera Largent, three former members of the faculty of the Department of History and Political Science. Earnings from this fund are awarded annually to a graduate student in history who intends to follow a career in teaching.

**Hermene Warlich Eichhorn Scholarship.** In 1974, anonymous friends of Hermene Warlich Eichhorn established a scholarship through the endowed funds of the UNC-G Musical Arts Guild. The award honors Mrs. Eichhorn, a School of Music alumna, for her years of service to the musical life of the campus and community as composer, organist and community leader. The scholarship is awarded annually to an outstanding student in the School of Music. Applicants must have been previously approved for the music major. For information write to the Dean of the School of Music.

**Kathryn McA. England Scholarship in Speech.** Established by friends of Kathryn England, this scholarship, awarded for the first time in 1980, recognizes Professor England's interest in and contribution to the field of Speech. The endowment provides for an annual scholarship to an undergraduate, upperclass speech major based on academic achievement in speech communication.

**Kathryn McA. England Scholarship in Theatre.** The fund was established in 1977 to honor the many years of service and inspired teaching at UNC-G by Kathryn England, a member of the faculty of the Department of Communication and Theatre. The Kathryn England Scholarship will be awarded annually to a graduate theatre student participating in the UNC-G Summer Repertory Theatre.

**English Essay Contest Scholarship.** This award was established in 1980 by Laurie Lake White, a doctoral student in English and an Excellence Fellow for the 1980-81 academic year. Awards will be limited to students in English 101, and recipients will be selected on the basis of a contest established by the Freshman Composition Committee of the English Department.

**Kathrine Robinson Everett Scholarship Fund.** This fund was established in October 1983 by Mrs. Everett, Class of 1913. Income from this fund is awarded annually for tuition for a full-time student(s) in the History Department. Recipients are nominated by the Head of the History Department and are selected on the basis of academic promise and ability.

**The Faculty Scholarship Fund** originated with the fiftieth anniversary gift of the faculty to the University. Under the leadership of the late Professor Helen Ingraham, the fund became a continuing faculty project. Contributions are made annually by the faculty to increase the fund. The income

provides an annual award to a junior or senior on the basis of scholarship, leadership and need.

**The Louise and Herbert Falk Scholarship.** This scholarship was established in 1960 by Mr. and Mrs. Falk. It provides an annual award to a worthy and needy student in the Department of Art.

**Sue Ramsey Ferguson Scholarship.** An endowed scholarship fund was established in 1978 in memory of Sue Ramsey Ferguson of Taylorsville. Mrs. Ferguson served the University as vice president and president of the Home Economics Foundation and as president of the Alumnae Association. Scholarships from the fund will be awarded to students in the School of Home Economics.

**Fieldcrest Foundation Scholarship in Home Economics.** The Fieldcrest Foundation established in 1969 a scholarship to be awarded to a rising senior in the School of Home Economics who is majoring in a textile-related curriculum. The award, to be made by the School of Home Economics, is valued at \$1,000.

**A. J. Fletcher Scholarships for the Performing Arts.** The A. J. Fletcher Educational and Opera Foundation, Inc. provided a grant to establish this scholarship in the fall of 1984. Recipients of these awards are selected on the basis of exhibited talent and performance potential in the areas of music, dance, and theatre. Academic excellence is considered and financial need may also be a factor. Recipients are chosen by the Student Aid Office in conjunction with deans, department heads, and faculty members of the relevant departments.

**Elizabeth Robinson Fort Scholarship Fund.** Kathrine Robinson Everett, Class of 1913, established this fund in October, 1983 as a memorial to her sister. Income from the fund is awarded annually for tuition for a full-time student(s) in the English Department. Nominations for this award are made by the Head of the English Department on the basis of academic promise or ability.

**Julius I. Foust Scholarship.** Supported by an endowment established by Dr. and Mrs. Foust, the scholarship is to be awarded to a rising senior who is definitely planning to go into teaching. Financial need, integrity, ability to inspire children, sense of reverence, sense of humor and ability to work happily with people are criteria which are followed in selecting the recipient.

**Anita C. Fox Memorial Scholarship.** Anita C. Fox, a performer with Parkway Playhouse, was killed in an automobile accident in September of 1981. This fund was established by friends of UNC-G as a memorial to her. UNC-G students who are BFA majors in Theatre performing at Parkway Playhouse are eligible for grants from this fund. Recipients must apply for financial aid and are chosen by the Director of Parkway Playhouse and a committee from the Department of Communication and Theatre.

**Galloway Scholarship In Teacher Education.** Any rising junior or senior student in the School of Health, Physical Education, Recreation and Dance who enrolls in a teacher education sequence in Physical Education, Dance or Health may apply for the Galloway Scholarship in Teacher Education. The recipient must have an academic standing of at least 2.0. Teaching potential and need will be the two major factors considered in the selection.

**Naomi Lee, Mary Joanna, and Mary Hester Livingston Gibson Scholarship.** Mary Joanna Gibson established this



scholarship which honors her late sister, Naomi Gibson, Class of 1936. Awards are made annually to juniors and seniors majoring in education who demonstrate academic achievement and financial need. Recipients are selected by the University Scholarship Committee in conjunction with the Student Aid Office.

**Humana Hospital Greensboro Auxiliary Scholarship Fund.** In 1980, the Humana Hospital Auxiliary provided funds from the Humana Hospital Gift Shop to establish a scholarship program for students majoring in nursing. Recipients are chosen by a committee under the direction of the Dean of the School of Nursing.

**Ione Holt Grogan Scholarship.** A bequest to the University from Frank Elmer Grogan established this scholarship fund in 1976 in memory of Ione Holt Grogan. Awards are made to undergraduate North Carolina students who are mathematics majors and who have good scholarship and leadership ability.

**Rene Hardre Scholarship Fund.** A fund was established and endowed in 1974 by Mrs. Josefine E. Hardre, formerly on the Spanish faculty at UNC-G as a memorial to her husband, Professor Rene Hardre, and his son, Dr. Rene Hardre. Additional contributions have been made by friends of the younger Hardre. The income from this fund is to be awarded annually to upperclassmen on the basis of achievement in advanced French studies.

**Lawrence E. Hart Graduate Scholarship in Music.** Established by faculty and friends in 1981 to honor the retiring dean of the School of Music, the income from this fund is to be used to provide scholarship assistance and recognition to students enrolled in graduate degree programs in the School of Music. The Dean of the School of Music, in cooperation with other appropriate administrative or faculty representatives in the School of Music, is responsible for the selection of recipients.

**The Elizabeth Hathaway Scholarship in Home Economics.** This fund was established in 1968 by members of the faculty of the School of Home Economics in honor of Miss Elizabeth Hathaway. An award is made each year to a student majoring in home economics.

**Ellen Hickman Scholarship.** The Ellen Hickman Endowed Scholarship was established in 1975 in memory of Ellen Hickman, a graduate of the University with a major in Child Development and Family Relations. The award is given annually to an undergraduate or graduate student, selected by a committee in the Department of Child Development and Family Relations on the basis of academic achievement.

**Home Economics Staff Scholarships.** The awards, supported by contributions from members of the staff of the School of Home Economics, are given annually to undergraduates on the basis of scholarship and need.

**Herbert and Virginia H. Howard Scholarship Fund.** The fund was established by a bequest of Herbert Howard. Awards are made each year to students majoring in art.

**Eugenia Hunter-Curry School Scholarship.** Funds have been provided by friends of Dr. Hunter and by the Parent-Teacher Organization of Curry School to establish an endowment in honor of Dr. Hunter, a long-time member of the faculty of the School of Education. A scholarship is awarded annually to a deserving student in need of financial assistance.

**Mary Alford Hunter Scholarship.** This scholarship honors the memory of Mrs. Mary Alford Hunter, member of the class of 1936, who served the University for many years as a teacher at Curry School, as a member of the faculty of the School of

Education and as a member of the Scholarship Committee. The income from the fund provides a scholarship to a deserving student in the School of Education.

**The Leonard B. Hurley Memorial Scholarship.** This memorial fund was established by friends of Dr. Leonard B. Hurley, who for thirty-nine years was a member of the University faculty and for sixteen of those years was head of the Department of English. The income from the fund will be awarded annually to a senior majoring in English.

**Joe Illman Memorial Fund.** In 1980, the Joe Illman Memorial Fund was established by Mr. and Mrs. Walter Illman in memory of their son, W. Joseph Illman, a 1979 Magna Cum Laude graduate of UNC-G. Joe Illman overcame the handicap of blindness and debilitating illness to excel as a student at UNC-G. Income from this fund will be used to provide financial assistance to handicapped students on the basis of need and positive attitude. Recipients are selected by the University's Coordinator of Services for Students with Special Needs.

**Jackson-Loving-Gibson Scholarship Fund.** Grace Evelyn Loving Gibson, Class of 1940, established this fund. The intent of the fund is to provide annual awards to undergraduate students majoring in English who are talented writers and who desire to pursue careers in writing. Recipients are chosen by the Creative Writing Staff within the Department of English.

**The Randall Jarrell Writing Scholarship.** This scholarship was established by alumni and friends in memory of Randall Jarrell, poet, critic, and for nineteen years a member of the UNC-G faculty in the Department of English. The award will be made annually to a student on the basis of creative imagination, writing ability and interest in writing.

**The Dr. Elisabeth Jastrow Scholarship.** Friends of Dr. Elisabeth Jastrow, Professor Emeritus of art history, have established this scholarship in her honor for a worthy junior (not necessarily an art major, but one who is enrolled in a course in art history or who has been enrolled in a course in art history).

**Mary Frances Johnson Scholarship.** The Library Education/Instructional Media Alumni Association established the scholarship in 1975, in honor of Mary Frances Johnson, member of the faculty in the Library Education/Instructional Media Center. The income from the fund is awarded each year to a student majoring in Library Education/Instructional Media.

**Pauline E. Keeney Scholarship in Home Economics.** This fund was begun in 1975 by members of the faculty of the School of Home Economics, alumni and friends. Awards are made to rising juniors or seniors who are majors in the Clothing and Textiles area and who have financial need.

**The Albert S. Keister Scholarship in Economics.** This scholarship was established by Mrs. Albert S. Keister and her daughters: Adelaide Keister Dotten '33, Mary Elizabeth Keister '34, Katherine Keister Tracy '36, Phyllis Keister Schaefer '39, Jane Keister Bolton '43, Alice Keister Condon '48, in honor of Dr. Keister who served thirty-three years as member of the UNC-G faculty and for thirty-two of these years as head of the Department of Economics. The scholarship will be awarded annually to a rising junior or senior who is majoring in economics.

**The Mrs. John A. Kellenberger Scholarship in Home Economics.** Mrs. Rachel Shipps Venette of Jacksonville, N.C.,



a 1932 graduate, bequeathed to UNC-G funds to establish a scholarship in honor of Mrs. John A. Kellenberger of Greensboro. The income from this bequest is to be awarded annually to needy students who are from Johnston or Onslow counties and who are home economics majors.

**Mose Kiser Scholarship.** Earnings from this fund, contributed by friends and family of Mose Kiser Sr., are awarded annually to a student in the School of Home Economics who is majoring in foods and nutrition.

**Dr. Richard Klemer Memorial Fund.** The Dr. Richard Klemer Memorial Fund was established by friends and faculty in 1972. Income from this fund is awarded to graduate students in Child Development and Family Relations. Recipients are selected by the Dean of the School of Home Economics along with the Child Development-Family Relations staff.

**The Anna M. Kreimeler Scholarship.** This scholarship was established by Lillian Peaslee Brennan, '51, and Elizabeth Peaslee Apple, '61, in honor of their aunt, Miss Kreimeier, who was a member of the faculty for 40 years. She began her service as a supervisor of student teachers in English. Later she was Director of the Student Teaching Program for students preparing to teach in secondary schools. The income from this fund is awarded to a student in need of financial assistance, preferably to a junior or senior who plans to teach. The selection of the recipient is made by the Scholarship Committee from recommendations made by the School of Education.

**Francis A. Laine Memorial Prize.** Friends of Dr. Francis A. Laine, Associate Professor and former Head of the Department of Classical Civilization at UNC-G, established this fund as a memorial to Dr. Laine in 1980. The fund provides an annual prize of \$25 to a junior or senior major in the Department of Classical Civilization. Recipients are chosen by a departmental committee.

**The Vera Largent Scholarship in History.** Established by a bequest of the late Miss Vera Lone Largent, Professor Emeritus of History, this grant is to be awarded to a rising senior history major to be selected by a committee composed of the head of the Department of History and two other senior members of the department. Friends and former students of Miss Largent, including the Class of 1944, have also contributed to this fund.

**Amon Liner Poetry Award.** A gift from Dr. E.D. Shackelford established this fund in 1976. An annual award is made to a student-poet selected by the Department of English.

**Vance T. Littlejohn Scholarship.** Students, alumni and friends of Dr. Vance T. Littlejohn established a scholarship in his honor at the time of his retirement in 1973 as chairman of the Department of Business and Distributive Education. The scholarship is awarded by a committee appointed by the chairman of the Department of Business Information and Support Systems, and selection is based on scholarship, leadership, professional life goals, service and financial need.

**Louise Lowe Scholarship In Home Economics.** A scholarship is awarded in honor of Miss Lowe, retired associate professor in home economics education.

**The Mrs. Charles D. McIver Memorial Scholarship Fund.** This fund was established from a legacy of the late Dr. Anna M. Gove. The income from the gift is awarded every other year as a scholarship to some capable, well-trained and upright junior or senior who is planning to study for and secure the degree of Doctor of Medicine.

**The Mendenhall Scholarship Fund.** Miss Gertrude Whittier Mendenhall, head of the Department of Mathematics from the founding of the University until her death in 1926, left a fund to endow a scholarship to be named in honor of her aunt, Judith J. Mendenhall. The will provides that a faculty committee award the scholarship annually to a deserving student "who has made good records in preparatory and freshman mathematics and who desires to do higher work in mathematics and allied sciences."

**Meta Miller-Elizabeth Barineau Scholarship.** An annual award is given to a rising junior or senior majoring in French on the basis of superior work in French studies. The scholarship is named in honor of Dr. Meta Miller, former chairman of the Department of Romance Languages, and Dr. Elizabeth Barineau, former member of the Romance Language faculty.

**Virginia Moomaw Scholarship.** This fund was established in 1975 in honor of Virginia Moomaw, Coordinator of the Dance Division at the University for thirty years. A scholarship will be awarded each year to a dance major who is entering the junior or senior year and has demonstrated an outstanding contribution to dance.

**Margaret C. Moore Scholarship Fund.** Established in 1975 by friends, faculty and students, this fund provides a yearly scholarship honoring the memory of Margaret C. Moore, an alumna of UNC-G and faculty member in the School of Nursing.

**The Grace Van Dyke More Memorial Scholarship.** Miss Grace Van Dyke More, a member of the faculty of the School of Music for 22 years, bequeathed to the University an endowment which has been supplemented by gifts from Edna Williams Curl, '33, Nita Williams Dunn, '28, and Carlotta B. Jacoby, '26. The income is awarded annually to a student in music education. Applicants must have been previously approved for the music major.

**Mu Phi Epsilon—Alpha Xi Chapter Scholarship.** Alpha Xi Chapter of Mu Phi Epsilon established a Performance Scholarship to be awarded annually to a member of the chapter on the basis of musical talent and performance.

**Anne Murphy Scholarship.** Burlington Industries, through its Department of Health and Safety, established the Anne Murphy Scholarship Fund in recognition of Ms. Murphy's service as an occupational health nurse. The scholarship is awarded to undergraduate students planning to enter the field of Occupational Health Nursing.

**Music Scholarships.** A number of scholarships are available to majors in the School of Music who are outstanding performing musicians. Awards are made upon the recommendation of the Dean of the School of Music. Applicants must have been previously approved for the music major, and first-time applicants are required to audition.

**The 1933 Endowed Fellowship Fund.** The Class of 1933 established this fund on the occasion of the fiftieth anniversary of their graduation from the University. Income from this fund is awarded as fellowships to selected persons enrolled or accepted for enrollment as full-time students in graduate degree programs at the University. Recipients are selected primarily on the basis of academic promise and achievement, but financial need may also be considered. Selection of recipients is made by the Graduate Fellowship Committee.

**Non-Traditional Adult Student Scholarships.** This scholarship program was established in 1971 by the Greensboro Book



Discussion Club of the UNC-G Alumni. Awards of \$150 are made each semester to mature adults who wish to enroll for a course at UNC-G after an interruption in their education. Recipients are selected by a committee composed of a representative from the Office for Adult Students, the Alumni Office, and the Student Aid Office.

**North Carolina Association of Insurance Agents, Inc.**

**Scholarship.** A scholarship of \$1,000 is provided each year by the N.C. Association of Insurance Agents, Inc. for a Business Administration major who plans to take courses in insurance. The recipient is selected by the faculty of the School of Business and Economics.

**North Carolina Association of Insurance Women's**

**Scholarship.** The North Carolina Association of Insurance Women established this fund in July of 1983. Recipients are chosen on the basis of scholarship and need by the UNC-G Insurance Faculty. To be eligible for this award, a student must be a Business Administration major and must take advanced insurance courses during the next academic year.

**NCNB Scholarship Fund.** This Scholarship was established in 1982 by the North Carolina National Bank through a gift to the Prospectus III Campaign. The program recognizes students who exhibit outstanding leadership characteristics and academic excellence in the areas of business and economics. Awards are valued at \$1500 per year, and recipients are chosen through the Competitive Awards Program. All entering freshmen planning to major in business and economics are eligible to apply for these scholarships by completing the Competitive Awards application, available from the Student Aid Office, by January 1.

**Phi Mu Alpha Sinfonia—Iota Epsilon Chapter Scholarship.**

The Iota Epsilon Chapter of Phi Mu Alpha established a scholarship in 1980. Awards are made to music majors by the School of Music Scholarship Committee.

**A.M. Pullen and Company Scholarship in Accounting.** A.M. Pullen and Company established this scholarship in 1979. An annual award of \$750 is made by the Department of Accounting to a rising senior majoring in accounting.

**Brenda Welling Rechtline Scholarship Fund.** Established in April of 1984 by the family and friends of Brenda Welling Rechtline, the intent of this fund is to provide assistance to undergraduate students seeking baccalaureate degrees from the School of Nursing at the University. Recipients must be recommended for the award by the School of Nursing, meet the requirements for selection into the nursing major at the junior level, possess above-average scholastic ability and attainments, and demonstrate leadership ability and interest in fellow students.

**Myrtle Spagh Reeves Scholarship Fund.** Mrs. Elizabeth Reeves Lyon, Class of 1938, has established the Myrtle Spagh Reeves Scholarship Fund in honor of her mother. The income is used to support a scholarship awarded annually to a student registered or registering as an art major.

**Risk and Insurance Management Society Scholarship.** The Risk and Insurance Management Society, Inc., (Piedmont Chapter) established this scholarship in 1980 to provide a \$500 award to an undergraduate student taking a concentration in insurance. To be eligible a student must be a business administration major, be at least a fifth semester student by the fall in which the first award is received; have completed FIN 370 (formerly BUS 370); and must agree to enroll in and complete advanced insurance courses each

semester during the continuation of this scholarship. Recipients will be selected by the UNC-G Insurance Faculty on the basis of academic merit and achievement. Financial need is not a consideration.

**School of Music Dean's Award in Piano.** A gift in 1978 established an endowment which will provide an annual award to a piano student selected by the School of Music Scholarship Committee. The stipend for this award varies.

**School of Music Student and Faculty Scholarship.** The scholarship is awarded annually to an undergraduate or graduate music major selected for special recognition of outstanding musical achievement. The stipend is \$300 for the year.

**The Anna Howard Shaw Scholarship Fund.** The late Miss Lucy B. Anthony of Moylan, Pennsylvania, established this fund to keep alive the memory of Dr. Anna Howard Shaw. The scholarship is awarded annually to an outstanding student in the field of social science.

**Lyda Gordon Shivers Memorial Fund.** This fund was established in 1972 by friends and family of Lyda Gordon Shivers, a long-time faculty member in sociology. Income from the fund is awarded to students majoring in sociology on the basis of merit and need.

**Ila L. Hensley, Virginia Jeter Sneed and Virginia Elizabeth Sneed Scholarship.** This fund was established as a memorial to Ila L. Hensley in 1977, the 50th anniversary of her graduation from the University. Miss Hensley was a music educator in North Carolina for many years. The scholarship pays an annual stipend of \$300. Recipients will be selected by the School of Music Scholarship Committee.

**Speech and Hearing Association Scholarship.** This fund was established in 1972 by the University Speech and Hearing Association. The income from the fund is to be used to support an annual scholarship to a rising junior or senior majoring in speech pathology and audiology. The basis for selection will be academic merit, character, leadership and financial need.

**Irwin V. Sperry Scholarship in Home Economics.** A scholarship has been established in memory of Dr. Irwin V. Sperry, former chairman of child development and family relations. The award is made to an undergraduate child development student.

**Mary Eliza Spicer Scholarship.** Approximately \$2,000 is given annually to rising juniors or seniors majoring in one of the Romance Languages. The recipients are selected on the basis of demonstrated ability in French or Spanish. This fund was established by Pierce T. Angell and daughter, Susan Spicer Angell, in memory of Mary Eliza Spicer Angell, Class of 1929.

**The Susan Stout Scholarship.** Established by her family, classmates and friends, the scholarship is a memorial to Susan Stout, Class of 1958. The award is made annually to the rising senior major in physical education with the highest academic average for five semesters.

**The Madeleine B. Street Scholarship in Home Economics.** This fund was established in 1965 by members of the faculty of the School of Home Economics in honor of Mrs. Madeleine B. Street. An award is made each year to a student majoring in home economics.

**Cornelia Strong Memorial.** Miss Cornelia Strong, a professor of mathematics at the University from 1905 until the time of her retirement in 1948, left in her will a bequest for the



Department of Mathematics. This sum of money, together with gifts made in her memory by friends and relatives, has been set up as a memorial fund and is used to aid mathematics students recommended by the mathematics staff.

**W. Raymond Taylor Scholarship In Drama.** A cash award is made each year to the junior or senior who shows the greatest promise for a career in the theatre. The fund was established in honor of W. Raymond Taylor who was, for over thirty years, director of drama at the University.

**UNC-G Musical Arts Guild Scholarship.** These scholarships were established in 1973 to provide recognition and assistance to students majoring in music. The award carries a cash stipend provided from the earnings of Guild endowments. Applicants must have been previously approved for the music major. For information write the Dean of the School of Music.

**Elizabeth Fulton Van Noppen Scholarship Fund.** Mrs. Donnell Van Noppen established this fund in December, 1983. Income from this fund is awarded annually to students majoring in music education. Academic achievement and musical talent are considered in making the awards. Recipients are selected by the Dean of the School of Music upon the recommendation of the faculty of the School of Music.

**Henry Weil Fellowship.** The late Mrs. Henry Weil of Goldsboro, N.C., established the Henry Weil Fellowship Fund in memory of her husband. The fellowship is awarded each year to a member of the graduating class for use in graduate school. A special committee appointed by the Chancellor selects the recipient of the fellowship.

**The Wesley Long Hospital Scholarship.** Awards are offered each year to two students in the School of Nursing. The awards are based upon academic merit and financial need and amount to \$250 each.

**D. Elizabeth Williams International Scholarship.** In 1975 Miss D. Elizabeth Williams, a retired home economist, contributed \$10,000 to the Home Economics Foundation at the University to establish an endowed scholarship for an international student in home economics.

**The Winfield Scholarship Fund.** Miss Martha Elizabeth Winfield, for many years a professor of English in the University, left an endowment from which the income is awarded each year as a scholarship to a needy junior or senior of promise in the Department of English.

**Annie McIver Young Scholarship.** Mrs. Annie McIver Young, daughter of Charles Duncan McIver, bequeathed to the University a fund, the income from which is given annually to an earnest, needy senior.

## Outside Scholarships

Recipients of the following scholarships are selected by donors outside of the University.

**The Aubrey Lee Brooks Scholarships.** These scholarships are awarded annually to high school seniors on the basis of academic standing, character, leadership, and financial need. Applicants for the scholarship must be residents of Alamance, Caswell, Durham, Forsyth, Granville, Guilford, Orange, Person, Rockingham, Stokes, or Surry counties and must attend either North Carolina State University, The University of North Carolina at Chapel Hill or The University of North

Carolina at Greensboro. The annual stipend is \$2,100 and may be renewed for a period of four academic years. Applications should be obtained from the student's high school principal before February 1.

**Thomas Holmes Carrow Scholarship.** Mrs. Sara E. Carrow established this fund in her last will and testament in memory of her late husband, Thomas Holmes Carrow. The scholarship is intended to provide partial financial support to a needy and deserving student who graduates from East Carteret County High School in Beaufort, N.C. Recipients of this fund are nominated by the full-time faculty of East Carteret County High School and selected by the N.C. State Education Assistance Authority.

**Moses Cone Hospital Scholarship-Loan Fund.** This fund, which was established in 1960 by the Moses H. Cone Memorial Hospital, provides scholarship-loans of up to \$750 annually to deserving students in nursing. The full amount of each scholarship-loan, including interest, will be cancelled for each year of employment as a full-time nurse immediately following graduation at Moses Cone Hospital.

**The James G. K. McClure Educational and Development Fund, Inc.** This fund provides a limited number of scholarships to qualified freshmen from Alleghany, Ashe, Buncombe, Burke, Caldwell, Cherokee, Clay, Graham, Haywood, Henderson, Jackson, Macon, Madison, McDowell, Mitchell, Polk, Rutherford, Swain, Transylvania, Watauga, and Yancey counties. The non-renewable awards of \$600 are designed to aid financially deserving, academically promising students, with preference given rural residents. A special application and description of criteria is available from the Student Aid Office and should be submitted by March 15.

**Quota Club of Greensboro—Quota International, Inc. Scholarship.** A \$500 scholarship, based on merit, is presented to a senior student majoring in Communication Disorders. A similar scholarship is available for one graduate student.

## Loan Funds

**Maude L. Adams**

**Alamance County Chapter of the Alumni Association**

**Alumnae Class Organ**

**Alumni**

**Sarah Atkinson**

**Emily S. Austin**

**Mary Cochrane Austin**

**Annette Beck**

**James Boyd**

**\*Belinda Brandon Memorial**

**Victor Bryant**

**Gladys Bullock Memorial**

**Daphne Carraway Memorial**

**Annie Anderson Chandler Nursing**

**Class of 1915**

**\*Class of 1920 Memorial Fund**

Class of 1925  
 Class of 1929  
 Class of 1935  
 Class of 1936  
 Class of 1940  
 \*Class of 1971  
 Judge E. B. Cline  
 Laura H. Colt  
 Ida Houghton Cowan  
 Elizabeth Duncan International Student  
 Federation of Women's Clubs  
 Millie D. Fetzer  
 Julius Foust  
 \*Galloway  
 \*Frank P. Graham  
 Martha Irvin Groome Memorial  
 Claude Heath  
 Pauline Green Hester  
 Home Economics Club  
 Lucille Horn Memorial  
 J.B. Ivey  
 North Carolina Association of Jewish Women  
 Terry Kellar  
 John W. Kennedy Graduate Student  
 Nancy Lee Kiser Memorial  
 Flora Patterson Lane  
 Bertha Marvin Lee Memorial  
 McIver  
 Jessle McLean  
 Elizabeth Crow Mahler  
 \*Katherine Mavity Martin  
 Masonic Theatre Educational Fund of New Bern  
 Virginia Barker Moffitt Memorial  
 Lily Conally Morehead  
 Musgrove Memorial  
 North Spencer  
 Mary Oettinger Memorial  
 \*Dorothy R. Phillips  
 Lela Wade Phillips  
 Rebecca Christine Phoenix Memorial

Winfield H. Rogers  
 Rotary  
 Royal Arch and Knights Templar  
 Patty Sprull Memorial  
 Lizzie Stewart  
 \*Joseph B. Strohl Memorial  
 Mary McLean Taylor Memorial  
 Carrie MacRae Tillett Memorial  
 Town Students  
 \*Well-Wallerstein  
 Mrs. Hazel Ervin Wheeler Memorial  
 \*Nancy Wilson  
 Clara Lee Lennon Withrow  
 Ruth Gooding Worley  
 Doris Wright Memorial  
 Pearl Wyche  
 Julia Frances Yancey  
 \*Short-term Emergency Loan Funds

## Appendix E

### Faculty Committees (1984-85)

#### Elected

**Academic Cabinet** (37 members; 6 ex officio). A deliberative body which advises the Chancellor concerning formulation of academic policies and procedures. Membership: Chairman-Chancellor; Vice Chairman of the Faculty Council; Executive Officer; 12 members-at-large; 12 representatives from Schools; 4 representatives from College of Arts and Sciences; 1 representative from Council of Deans; 1 representative from Library; 3 representatives from Student Government; 2 representatives from Graduate Students' Association. Ex officio membership: 5 Vice Chancellors; Director of Library.

#### Executive Committee of the Academic Cabinet

(Chancellor, Vice Chairman of the Faculty Council, Vice Chancellor for Academic Affairs, and Executive Officer of the Academic Cabinet). Prepares agenda for Cabinet and Faculty Council meetings.

#### Promotions and Tenure Committee of the Academic Cabinet

(7 faculty members). Makes recommendations to Chancellor concerning promotion and permanent tenure of faculty members.

**Budget** (6 faculty members; 1 ex officio). Advises and consults about allocation of University resources.

**Committee on Committees** (6 faculty members). Makes



recommendations to the Chancellor concerning appointment of faculty members to standing committees.

**Curriculum** (9 faculty members-at-large; 6 faculty representatives from Schools; 1 faculty representative from College of Arts and Sciences. Ex officio: Assistant Vice Chancellor for Academic Affairs; Adjunct: Registrar). Approves introduction of new courses for undergraduates; evaluates courses and programs for new undergraduate majors and degrees; and makes recommendations to Faculty Council.

**Due Process** (7 faculty members). Receives evidence, conducts hearings and renders judgment on appeals from administrative decisions involving tenure of faculty members.

**Faculty Assembly of The University of North Carolina** (3 delegates, 3 alternates). Gathers and exchanges information on behalf of the faculties of the sixteen constituent institutions of The University. It advises, through proper channels, the President of The University, the Board of Governors, the General Assembly and other governmental agencies on matters of University-wide import.

**Faculty Grievance** (5 faculty members from ranks of assistant professor, associate professor and full professor, with at least one member from each rank). Hears, mediates and advises with respect to the adjustment of faculty grievances concerned with matters directly related to a faculty member's employment status and institutional relationships in accordance with the provisions of The Code of The University.

**Graduate Administrative Board** (11 faculty members; 1 ex officio; 1 adjunct member; 2 student members; chaired by the Dean of the Graduate School). Makes policy for the Graduate School.

#### Appointed

**Academic Appeals** (7 faculty members, including 1 from each School and 1 from the College of Arts and Sciences and minority representation). Acts in a judicial capacity to hear appeals related to University-wide undergraduate academic regulations.

**Admissions Policies** (10 faculty members, including 1 from each School and 1 from the College of Arts and Sciences; 3 faculty members-at-large; 1 ex officio; 4 adjunct members; 2 student members). Recommends policies governing admissions and serves as a clearinghouse on admissions policies and data for the University community.

**Advisory Committee on Academic Computing** (10 faculty members, including 1 from each School, 1 from the Library, and 3 from the College of Arts and Sciences; 1 ex officio; 2 adjunct members; 2 student members). Serves as a policy formulation group with respect to academic computing on campus.

**Calendar and Scheduling** (5 faculty members; 1 AASA member; 1 ex officio; 3 student members). Makes recommendations to Faculty Council for University Calendar, examination schedules and class scheduling policy.

**Campus Planning** (5 faculty members; 2 ex officio, including the Chairman of Traffic Committee; 3 adjunct members; 3 student members). Advises administration; coordinates current and long-range planning and development of physical facilities of the campus. Considers the architectural and ecological impact of land-use patterns including the location of buildings, roadways, parking areas, walkways, recreational areas and facilities, landscaping and the general beauty of the campus. Total planning of specific buildings is to be accomplished through ad hoc committees reporting to the Campus Planning Committee and to the Administration.

**Campus Recreation** (3 faculty members, excluding HPERD; 1 EPA nonteaching member; 1 AASA member; 1 ex officio; 1 adjunct member; 4 student members). Serves as an advocacy group for the program. Prepares and reviews programs, budgets, policies, and procedures for club and intramural sports. Hears appeals from Club Sports and Intramurals Councils. Advises Dean about selection of Director and key personnel.

**Campus Security** (5 faculty members; 1 AASA member; 1 ex officio—Director of Security; 3 student members, 1 serving as Vice Chairman). Receives information concerning campus security; makes recommendations regarding security problems and needs; hears grievances against campus security officers.

**Campus Stores** (5 faculty members; 1 ex officio; 5 student members). Advises administration on management of Book Store, University Restaurant and Soda Shop, Robot Room and all vending machine operations on campus.

**Commencement** (8 faculty members; 1 ex officio; 3 adjunct members; 3 student members). Plans and recommends commencement activities to the Chancellor and sees that adopted plans are executed.

**Elections** (5 faculty members). Determines the eligibility of candidates for elective faculty offices or committee positions, prepares petition forms and ballots and oversees the mechanics of the election.

**Equal Employment Opportunity and Intergroup Relations** (11 faculty members, including at least 1 from each School and the College of Arts and Sciences, as well as minority representation; 1 AASA member; 1 nonacademic employee; 1 ex officio; 3 adjunct members). Reviews and advises administration regarding the implementation of affirmative action policy for equal employment opportunity and provides information as needed to the University community.

**Faculty Government** (7 faculty members). Conducts continuous review of Instrument of Government and proposes amendments to it to the Faculty Council.

**Faculty Welfare** (5 faculty members; 1 AASA member; 1 ex officio). Concerns itself with all matters which may pertain to the welfare of members of the faculty.

**Fellowship and Special Studies Awards** (6 faculty members; 1 ex officio). Oversees all externally sponsored fellowships and awards, both undergraduate and graduate; solicits



applications and selects nominees and, for some programs, recipients. Replaces former Fulbright and Weil Committees.

**Gardner Award** (5 faculty members). Receives nominations of persons for O. Max Gardner Award and forwards recommendation through the Chancellor to Committee of Board of Governors for final decision.

**Health Information** (8 faculty members; 1 ex officio; 3 student members). Oversees all health-related aspects of University life and the dissemination of health information to students.

**Honorary Degrees** (5 faculty members; 1 ex officio). Receives and screens recommendations for persons to receive honorary degrees and recommends these persons to Faculty Council for approval.

**Intercollegiate Athletics** (5 faculty members; 3 from general faculty, 2 from Health, Physical Education, Recreation and Dance (1 female, 1 male); 4 student members; 1 ex officio). Advises the administration concerning principles and policies to be followed in the University's intercollegiate athletic program (for men and women); recommends the sports in which teams will compete, the standards of eligibility to be applied and the forms of management and operation to be followed (including such matters as scheduling).

**Library** (10 faculty members; 1 ex officio; 1 adjunct member; 3 student members). Develops and recommends policies and procedures which will give the Library its most effective role in the University; acts as liaison in interpreting Library policies to the faculty and faculty opinion to the Director of the Library. University Archives operates under this committee.

**Performing Artist Series** (5 faculty members; 1 ex officio; 2 adjunct members; 3 student members). Schedules series of programs in the performing arts that are of interest to the University community and which are related to the academic program.

**Piney Lake Committee** (7 faculty members; 1 ex officio; 2 student members). Studies existing policies for use of Piney Lake and makes recommendations on its administration as necessary.

**Research Council** (10 faculty members; 1 from each School, 3 from the College of Arts and Sciences; 1 from each of the 3 areas, Natural Sciences, Social and Behavioral Sciences and Humanities; 1 ex officio; 2 adjunct members). Receives and acts upon requests for faculty research grants.

**Residence Appeals** (5 faculty members). Processes appeals of students who question their initial classification of residence for tuition purposes; advisory to Chancellor.

**Status of Women** (5 faculty members, 3 from Schools including the Library, 2 from College of Arts and Sciences; 1 EPA staff member; 1 AASA member; 1 nonacademic employee member; 4 student members). Considers University policies that affect women students, faculty, and staff and attempts to provide support as appropriate.

**Student Financial Aid** (10 faculty members; 1 ex officio; 1 adjunct member; 4 student members). Oversees all matters related to student financial aid.

**Traffic** (5 faculty members; 1 AASA member; 4 student members, including one town student and one graduate student—male and female; 1 ex officio—Director of Security). Assesses parking needs, develops parking and traffic regulations for campus and makes recommendations to Administration concerning enforcement of traffic and parking regulations.

**Undergraduate Academic Regulations** (5 faculty members; 1 ex officio; 2 adjunct members; 4 student members). Develops recommendations for Academic Cabinet action on academic policies and requirements for undergraduates.

#### Administratively Appointed

**Evaluation of Teaching** (6 faculty representatives from Schools; 1 faculty representative from College of Arts and Sciences; 1 ex officio; 2 student members). Reviews and updates procedures, facilitates exchange of information and maintains a file of research materials on the evaluation of teaching.

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- Edwin Phillip Morgan** (1946), Professor, School of Music, Emeritus (1975)/B.M., Tulsa/M.M., A.M.D., Eastman School of Music.
- Mereb E. Mossman** (1937), Professor, Department of Sociology and Anthropology, Emeritus (1973)/B.A., Morningside College/M.A., Chicago/L.H.D., Queens College/Lit.D., Morningside College/L.L.D., UNC-G.
- Elizabeth W. Newland** (1967), Head Catalog Librarian, Emeritus (1984)/B.A., UNC-G/A.B.L.S., U.N.C. at Chapel Hill.
- Victoria Carlson Nielson** (1930), Professor, School of Health, Physical Education, Recreation and Dance, Emeritus (1948)/B.S., M.S., M.A., Ph.D., Columbia.
- E. William Noland** (1967), Distinguished Professor, Department of Sociology, Emeritus (1978)/B.A., M.A., West Virginia/Ph.D., Cornell.
- Kathleen Sharer Palnter** (1929), Instructor, Department of English, Emeritus (1963)/B.A., Tennessee.
- Franklin D. Parker** (1951), Professor, Department of History, Emeritus (1983)/B.A., Greenville/M.A., Ph.D., Illinois.
- Margaret Ellen Penn** (1946), Professor, School of Home Economics, Emeritus (1967)/B.S., Kansas State/M.A., Columbia.
- Charlotte Perkins** (1960), Assistant Professor, Department of Communication and Theatre, Emeritus (1977)/B.A., M.A., Louisiana State.
- Eugene E. Pfaff** (1936), Professor, Department of History, Emeritus (1977)/B.A., M.A., U.N.C. at Chapel Hill/Ph.D., Cornell.
- Charles Wiley Phillips** (1935), Professor, Emeritus (1962)/B.A., U.N.C. at Chapel Hill/M.A., Columbia/L.L.D., UNC-G.
- Russell E. Planck** (1967), Lecturer, Department of History, Emeritus (1982)/B.A., Seton Hall/M.A., Ph.D., Columbia.
- Ruth R. Prince** (1963), Assistant Catalog Librarian, Emeritus (1977)/B.A., Meredith College/B.S. in L.S., U.N.C. at Chapel Hill.
- Anna Joyce Reardon** (1941), Professor, Department of Physics, Emeritus (1975)/B.A., College of St. Teresa/ M.S., Ph.D., St. Louis.
- Anna Reger** (1931), Assistant Professor, School of Education, Emeritus (1959)/B.S., West Virginia Wesleyan College/B.S. in L.S., Columbia.
- Clara Ann Ridder** (1959), Professor, School of Home Economics, Emeritus (1978)/B.S., Nebraska/M.S., Arizona/Ph.D., Cornell.
- Blackwell P. Robinson** (1956), Associate Professor, Department of History, Emeritus (1981)/B.A., U.N.C. at Chapel Hill/M.A., Duke/Ph.D., U.N.C. at Chapel Hill.
- Hollis J. Rogers** (1947), Associate Professor, Department of Biology, Emeritus (1979)/B.S., Murray State/M.S., Kentucky/Ph.D., Duke.
- Donald Russell** (1955), Professor, School of Education, Emeritus (1984)/B.A., Bates College/Ed.M., Ed.D., Boston.
- Victor Salvin** (1967), Professor, School of Home Economics, Emeritus (1976)/B.S., M.S., Wesleyan College/Ph.D., Yale.
- Rolf Sander** (1967), Professor, School of Music, Emeritus (1977)/Diploma, Conservatory Frankfurt.
- Alvin Scaff** (1972), Excellence Fund Professor, Department of Sociology, Emeritus (1978)/B.A., Texas/ B.D., Chicago Theological Seminary/M.A., Ph.D., Texas.
- Alice Schrlver** (1949), Professor, School of Health, Physical Education, Recreation and Dance, Emeritus (1966)/B.S., M.A., New York/Ed.D., Columbia.
- Juel P. Schroeder** (1965), Professor, Department of Chemistry, Emeritus (1980)/B.S., North Dakota/Ph.D., Wisconsin.
- Anne Christian Shamburger** (1925), Assistant Professor, School of Health, Physical Education, Recreation and Dance, Emeritus (1968)/Guilford College; Johns Hopkins.
- Ruth Agnes Shaver** (1937), Associate Professor, Department of Romance Languages, Emeritus (1966)/ B.A., Ohio Wesleyan/M.A., Columbia.
- Emeve P. Singletary** (1959), Instructor, School of Home Economics, Emeritus (1976)/B.S.H.E., M.S., UNC-G.
- Edith V. Sloan** (1966), Lecturer, Department of Mathematics, Emeritus (1983)/B.A., UNC-G/M.A., Wake Forest.
- Kendon Smith** (1954), Alumni Professor, Department of Psychology, Emeritus (1983)/B.A., Minnesota/M.A., Ph.D., Princeton.
- Tommlie Lou Smith** (1951), Assistant Professor, School of Business and Economics, Emeritus (1975)/B.A., M.A., East Carolina.
- John Luther Steinmetz** (1961), Instructor, Department of Mathematics, Emeritus (1968)/B.S., U.S. Coast Guard Academy/M.A., Duke.
- Madeleine Blakey Street** (1930), Professor, School of Home Economics, Emeritus (1965)/B.S., College of William and Mary in Virginia/M.A., Columbia. Deceased 12-18-84.



**Jane Summerell** (1926), Professor, Department of English, Emeritus (1958)/B.A., UNC-G/M.A., Columbia/L.H.D., UNC-G.

**Arthur Svenson** (1967), Burlington Industries Professor, School of Business and Economics, Emeritus (1976)/B.A., Montana/M.A., Columbia/Ph.D., New York.

**Katherine Henrietta Taylor** (1929), Professor and Dean of Student Services, Emeritus (1972)/B.A., UNC-G/M.A., Radcliffe College.

**Helen Alverda Thrush** (1939), Professor, Department of Art, Emeritus (1969)/B.F.A., Pennsylvania/M.A., Columbia.

**Virginia Trumper** (1922), Head Serials Librarian, Emeritus (1963)/Denison; Louisville Public Library Training Class.

**Raymond J. Vincent** (1973), Associate Professor, School of Health, Physical Education, Recreation and Dance, Emeritus (1981)/B.S., Northwestern/M.Ed., Ph.D., Southern Illinois.

**Emily Holmes Watkins** (1926), Professor, Department of Mathematics, Emeritus (1958)/B.A., Randolph-Macon Woman's College/M.A., Columbia.

**Rowena Wellman** (1943), Associate Professor, Department of Business Education, Emeritus (1958)/B.A., Iowa/M.A., Ph.D., Columbia.

**Maude Ferrell Williams** (1927), Associate Professor, Department of Biology, Emeritus (1962)/B.A., M.S., Ph.D., Illinois.

**Mozelle Williams** (1966), Instructor, School of Home Economics, Emeritus (1983)/B.S.H.E., M.S.H.E., UNC-G.

**Sue Vernon Williams** (1926), Head Reference Librarian, Emeritus (1963)/B.A., M.A., Randolph-Macon Woman's College/Certificate, Carnegie Library School, Atlanta.

**Lenoir Chambers Wright** (1953), Professor, Department of History and Political Science, Emeritus (1978)/B.A., U.N.C. at Chapel Hill/B.A., M.A., Oxford/M.A., Ph.D., Columbia/LL.B., Harvard.

Director, School of Medical Technology, Mercy Hospital, Charlotte).

**Joseph B. Dudley** (1975), Clinical Professor, Department of Biology/B.S., M.D. (Pathologist and Medical Director, Forsyth Hospital, Winston-Salem).

**Tammy G. Field** (1983), Clinical Teaching Assistant, Department of Chemistry/B.A., M.T. (ASCP), (Instructor in Chemistry, Moses H. Cone Hospital, Greensboro).

**Robert M. Gay** (1972), Clinical Professor, Department of Biology/B.A., M.D. (Pathologist and Medical Director, School of Medical Technology, Moses H. Cone Hospital, Greensboro).

**Charles M. Hassell** (1972), Clinical Lecturer, Department of Biology/B.S., M.D. (Director of Laboratories and Chief of Pathology, Moses H. Cone Hospital, Greensboro).

**Elizabeth H. Heermans** (1979), Clinical Teaching Assistant, Department of Biology/B.A., M.T. (ASCP), S.H. (Instructor Hematology, Moses H. Cone Hospital, Greensboro).

**Michael H. Leahan** (1979), M.D. (Director, School of Medical Technology, Charlotte Memorial Hospital, Charlotte).

**Donald D. Leonard** (1972), Clinical Lecturer, Department of Biology/B.S., M.D. (Pathology, Moses H. Cone Hospital, Greensboro).

**Michael L. O'Connor** (1977), M.D. (Director, School of Medical Technology, Bowman Gray School of Medicine, Winston-Salem).

**Jean C. Smilth** (1975), Clinical Instructor, Department of Biology/B.S., M.T., (ASCP), M.Ed. (Program Director, Medical Technology, Moses H. Cone Hospital, Greensboro).

**Sister Mary Mathew Snow** (1977), M.A.T., M.T. (ASCP), (Program Director, Mercy Hospital, Charlotte).

**Mary Christine Steuterman** (1983), Clinical Lecturer, Department of Biology/B.A., M.D., (Pathology, Moses H. Cone Hospital, Greensboro).

## Clinical Faculty

The following individuals at the Moses H. Cone Memorial Hospital School of Medical Technology in Greensboro, N.C., the Forsyth Memorial Hospital Medical Technology Program in Winston-Salem, N.C., the North Carolina Baptist Hospital—Bowman Gray School of Medicine Medical Technology School in Winston-Salem, N.C., and the Mercy Hospital and the Charlotte Memorial Hospital, Charlotte, N.C. hold clinical faculty appointments at UNC-G. The position each occupies and his/her hospital affiliation is in parentheses.

**Elizabeth T. Anderson** (1979), B.A., M.T. (ASCP), (Education Coordinator, Charlotte Memorial Hospital, Charlotte).

**H. Wallace Baird** (1973), Clinical Lecturer, Department of Chemistry/B.A., M.D. (Pathologist, Moses H. Cone Hospital, Greensboro).

**Virginia T. Campbell** (1983), Clinical Teaching Assistant, Department of Biology/B.A., M.T. (ASCP), (Instructor—Blood Bank, Moses H. Cone Hospital, Greensboro).

**Mitzie T. Croom** (1979), Clinical Teaching Assistant, Department of Biology/B.A., M.T. (ASCP), (Instructor—Microbiology, Moses H. Cone Hospital, Greensboro).

**Howard T. DeHaven** (1977), Clinical Professor/M.D., (Medical

## UNC-G Administrative Staff

The administrators responsible for the offices listed below may be found under the heading **Officers/The University of North Carolina at Greensboro**, pp. 255-256.

### Administration

#### Administrative Computer Center

**Martin H. Reeves** (1982), Assistant Director/ **Robert J. Iscaro** (1971), Systems/ **Charles D. Barbour** (1963), Operations Manager/ **Duane H. McCartney** (1982), Programming Manager.

### Chinqua-Penn

**Douglas Merritt** (1983), Executive Director/ **Bobby R. Boyles** (1965), Security Officer/ **Vivian B. Forrester** (1976), House Manager.

### Institutional Research

**Dorothy F. Clark** (1976), Research Associate, B.A., M.Ed./ **Jacqueline H. Gillis** (1984), Research Associate, B.S., M.S.



## Academic Affairs

### Academic Advising

**Dorothy Damell** (1963), Assistant Dean, B.S.S.A., M.Ed./ Assistants to the Dean: **Karen E. Anthony** (1978), B.S., B.A., M.A./ **Jean G. Wall** (1978), B.A., M.S.H.E., Ph.D.

In addition, the following faculty/graduate assistants serve on a part-time basis as Academic Advisers: **Margaret Carter** (1983), B.S., M.S.; **Rita Fein** (1978), B.A., M.A.T., M.L.S.; **Ann Kelk** (1984), B.S.N.; **Aden Magee** (1960), B.S., M.S., Ph.D.; **Odessa Patrick** (1958), B.S., M.S.; **Karen Perkins** (1984), B.S.; **James Swiggett** (1967), B.S., M.Ed.; **Frank Tatem** (1983), B.S., M.M.; **Charles Tisdale** (1967), B.A., M.A., Ph.D.

### Academic Affairs

**Margaret G. Levin**, University Administrative Manager, B.A., M.Ed.

### Academic Computer Center

**Marlene R. Pratto** (1973), Assistant Director, User Services, B.A./**R.C. Curry, Jr.** (1981), Assistant Director, Systems, B.A./**Dennis W. Funk** (1980), Operations Manager, B.S./**James A. Penny** (1983), Systems Programmer, B.A./**Thomas G. Gleiter** (1984), Systems Programmer, B.S./Programmer-Consultants: **V. Diane Case** (1981), B.A.; **Helen Kirchen** (1984), B.S., M.S.L.S.; **Judy H. Martin** (1984), B.S.

### Admissions Office

Associate Directors: **Ruth W. Alexander** (1970), BSEd., M.A.Ed.; **Jerry W. Harrelson** (1973), B.A., M.Ed./Assistant Directors: **Malinda B. Richbourg** (1974), B.S.H.E.; **Ellen A. Barnes** (1979), B.A., M.Ed.; **RaVonda Dalton-Ronn** (1979), B.A., M.Ed.; **Katherine L. Knapp** (1983), B.A.; **Walter M. Pritchett** (1983), B.A.; **Christine H. Bobb** (1984), B.S.; **Patricia Wall** (1982), B.A., M.Ed.

### Office for Adult Students

**Barbara B. Welss** (1973), Counselor, B.A., M.Ed./**Patricia Wall** (1982), Program Developer, B.A., M.Ed.

### Learning Resources Center

**Duane King** (1967), Electronics Technician/ **Fred Goodman** (1972), Electronics Technician/ **Jack W. Simpson** (1971), Electronics Technician/ **Timothy Barkley** (1979), Artist Illustrator/ **Addle S. Eldam** (1978), Artist Illustrator/ **Charles R. McLean**, (1967), Educational Media Technician/ **Neil Thacker, Jr.** (1977), Television Engineer/ **Homer Williams** (1979), Electronics Technician/ **Mary L. Schumaker** (1974), Librarian/ **Nancy B. Foster** (1977), Librarian.

### Continuing Education

**Bolton Anthony** (1980), Associate Director, B.A., M.A., M.L.S./ **Donna DePue** (1980), Assistant to the Director, B.A./ Program Assistants: **Karen Hogarth** (1980), B.S., M.S., M.Ed.; **Barbara Lawrence** (1983), B.A.; **Louise Hahn** (1983), B.A., M.A.; **Louis B. Gallen, Jr.** (1983), B.A., M.A.; **John Gillespie** (1984), B.S.

### Library Staff

**Allison A. Aialre** (1983), Documents Division, B.A./ **Catherine B. Bayliss** (1980), Catalog Department/ **Eleanor Jane Bernau** (1982), Circulation Department, B.F.A., M.F.A./ **Patricia R. Black** (1983), Catalog Department, B.A./ **Elizabeth Ann**

**Bolling** (1983), Serials Department, B.F.A./ **Emily H. Bozovich** (1983), Reserve Reading Division, B.A./ **Elizabeth H. Breedlove** (1969), Catalog Department, A.A./ **Carole C. Brown** (1984), Circulation Department, B.S./ **Gaylor F. Callahan** (1984), Reference Department, B.A., M.A./ **Eric R. Childress** (1983), Serials Department, B.A./ **Julle B. Curry** (1980), Serials Department/ **Anne B. Faison** (1984), Reserve Reading Division/ **Kathryn Dowlen Gaines** (1981), Catalog Department, B.S./ **Christine E. Garren** (1982), Catalog Department/ **Cathy Lea Griffith** (1983), Reserve Reading Division, B.A./ **Wilma J. Haynes** (1976), Serials Department/ **Shirley C. Howell** (1971), Acquisition Department/ **Norma Louise Humphrey** (1982), Reference Department, B.A./ **Modgie Enzlow Jeffers** (1972), Acquisition Department, B.A./ **Margaret B. Kamara** (1981), Catalog Department, B.A./ **George A. Keck** (1978), Circulation Department, B.A., M.Div., B.A., M.F.A./ **Teresa G. Kelly** (1978), Catalog Department/ **Lucile Horne Kurlrst** (1968), Circulation Department, B.A., M.A./ **Brenda Lynn Linthicum** (1984), Serials Department, B.A., M.A./ **Cora H. Mathewson** (1983), Circulation Department, B.A./ **Jeffrey A. Miles** (1983), Circulation Department, B.A., M.A., M.F.A./ **Lois S. Miller** (1976), Catalog Department, B.A., M.Ed./ **Eleanor Echols Mills** (1966), Acquisition Department, B.A./ **Betty Stanford Morrow** (1974), Serials Department, B.A., M.L.S./ **Teresa Benditz Needham** (1975), Acquisition Department/ **Ralph G. Nelms** (1976), Reference Department, B.A., M.F.A./ **John L. Overly** (1976), Circulation Department, B.A./ **James Arlyn Rogerson** (1975), Special Collections Division, B.A., M.A., Ph.D./ **Ella L. Ross** (1966), Documents Division, B.A./ **Francia White Rubio** (1972), Serials Department, B.A./ **Janis Holder Rutan** (1979), Catalog Department, B.A., M.L.S./ **Kelly Jo Sink** (1984), Reference Department, B.S./ **Cynthia S. Slater** (1977), Catalog Department, B.A./ **Clara Palmer Stratton** (1977), Reserve Reading Division, B.F.A./ **John A. Stratton** (1977), Bindery Division, B.F.A./ **Sandra Rosebud Sutton** (1981), Serials Department/ **Virginia C. Swanson** (1969), Acquisition Department/ **Jimmy Ray Thompson** (1980), Bindery Division, B.F.A./ **Shella Carol Tucker** (1981), Catalog Department, B.S./ **Sigrid Lischka Walker** (1974), Acquisition Department/ **Nancy L. Williams** (1976), Circulation Department, A.A., B.A., M.L.S./ **Timothy B. Wood** (1980), Administrative Offices/ **Cynthia Veal Zaruba** (1981), Catalog Department, B.S.

### Registrar's Office

**Elizabeth P. Collins** (1961), Assistant Registrar, B.S., M.Ed.

### Student Affairs

#### Aycock Auditorium

**Phillip Myers-Reid** (1967), Manger

#### Career Planning and Placement Center

**Janet G. Lenz** (1980), Assistant Director, B.S., M.S./ **Marie B. Sumarel** (1984), Career Counselor, B.B.A., M.Ed./ **Sharon Kaye Thorpe** (1984), Coordinator, Job Location and Development, B.A., M.Ed.

#### Counseling and Testing Center

**Mary B. Abu-Saba** (1975), Counselor, A.B., M.A., Ph.D./ **Margaret G. Kemper** (1982), Counselor, B.A., M.A., Ph.D./ **Lawrence S. Newman** (1983), Counselor, B.A., Ph.D.



### Elliott University Center

**Bruce Harshbarger** (1978), Director, Student Development, B.A., M.A./ **Joanna M. Iwata** (1984), Director, Student Activities, B.A., M.A./ **James Lancaster** (1974), Assistant Dean, B.A., M.A./ **Terrell Weaver** (1963), Director of Operations, B.S.S.A.

### Residence Life Staff

**Residence Administrators: Madeleine Bombeld** (1972), B.A., M.Ed./ **N. Elizabeth Wallington** (1965), B.A., M.Ed./ **Martha Faye Collins** (1977), Ragsdale, B.S./ **Judith Schachtschneider** (1976), B.S./ **Bettina Shuford** (1979), M.Ed.

### Student Aid

**Barbara R. McQueen** (1984), Assistant Director, B.A., M.A./ **Lynette Davis** (1982), Financial Aid Counselor, B.S., M.S./ **Janet L. Kemper** (1984), Financial Aid Counselor, B.A.

### Student Health Center

**Jayne A. Ackerman** (1978), Assistant Director, B.S., M.S., M.D./ **Robert P. Doolittle** (1982), Associate Physician, B.S., M.D./ **Owen W. Doyle** (1964), Consulting Radiologist, M.D., part-time/ **Kenneth H. Epple** (1960), Consultant in Psychiatry, B.A., M.D., part-time/ **Marilyn A. Lockwood** (1977), Associate Physician, B.A., M.D./ **Beverly A. Olson** (1977), Associate Physician, B.S., M.S., M.D./ **Robert H. Whitener** (1971), Consultant in Psychiatry, B.A., M.D., part-time.

### Business Affairs

#### Business Affairs

**Lucille M. Guyer** (1968), Head, Duplicating Service/ **Robert L. Lowe** (1971), Accountant, B.A./ **Gordon L. Nelson** (1979), Accountant, B.S., CPA/ **Ronald E. Wilson** (1970), Payroll Supervisor/ **Dennis A. Press** (1981), Accounting Manager, B.S./ **Carol S. Sanders** (1970), Accountant, B.S.S.A./ **Randle W. Bennett** (1984), Accountant, B.S., M.B.A./ **Jennifer T. Brown** (1973), Systems Accountant, A.B., B.S./ **Clifton P. Whitman** (1982), Supervisor, Cashier's Office, B.S./ **Christopher J. Bennett** (1982), Systems Accountant, B.A./ **Steven W. Rhew** (1984), Systems Accountant, B.S., CPA/ **Charles Roberts** (1969), Accountant/ **Donald C. Skeen** (1984), Accountant, B.S., CPA.

### Residence Life

**Helen P. Yoder** (1954), Manager/Assistants: **Edith Inez McCain** (1966)/**Clara M. Meyers** (1961), **Mary Osborne** (1969).

### Physical Plant

**Marshall Moser** (1971), Assistant Director/ **Harvey J. Saunders** (1979), Plant Engineer/ **Latmer S. Balley** (1982), Plant Maintenance Supervisor/ **Colby J. Smith** (1983), University Housekeeping Administrator.

### Development Affairs

#### Alumni Affairs

**Brenda M. Cooper** (1968), Associate Director, B.S., M.Ed./ **Miriam Holland** (1982), Alumni Editor/Program Assistant, B.A., M.L.S./ **Pam McEvoy** (1984), Editorial Assistant, B.A.

### Information Services

**J. Steven Gilliam** (1976), Assistant Director for News, B.A., Journalism/ **Robert C. Cavin** (1976), Staff Photographer and Writer, B.A., English and Professional Writing/ **Melinda Stovall** (1983), Staff Writer, B.A., Journalism/ **Charles M. Wheeler** (1984), Assistant Director for Publications, B.A., Journalism/ **Dabney G. Olschner** (1984), Graphic Artist, A.A.S.

## ADMINISTRATIVE ASSISTANTS/ ADMINISTRATIVE SECRETARIES

**Marilyn M. Barker** (1961), Admissions Office, B.S.S.A./ **Elizabeth Booker** (1944), Office of Academic Advising, B.S.S.A./ **Myrtiss B. Boylston** (1968), School of Health, Physical Education, Recreation and Dance/ **Lynn E. Bray** (1973), Security/ **Betty C. Bullington** (1966), Office for Development/ **Cordell Cahill** (1972), School of Business and Economics/ **Oradell W. Christopher** (1966), Career Planning and Placement Center/ **Evon Welch Dean** (1942), Office for Development, C.C./ **Deborah Keppers** (1984), Graduate School, B.A./ **Sylvia Lippard** (1972), School of Home Economics/ **Sibyl McKinney** (1968), Office of College of Arts and Sciences/ **Frances H. Minton** (1973), Physical Plant/ **Catherine P. Pollack** (1968), Library/ **Mary L. Sanders** (1975), Student Health Center/ **Kimberley Sands** (1985), Office for Academic Affairs, B.A./ **Billie P. Sink** (1970), School of Nursing/ **Margaret S. Smith** (1963), Office of the Chancellor/ **Glenda K. Sparks** (1980), Continuing Education, B.S.S.A./ **Eills D. Stoneman** (1980), Department of Communication and Theatre/ **Kathleen T. Sumner** (1973), School of Education/ **Jeanne C. Sutherland** (1976), Campus Design and Construction/ **Marle E. Teague** (1959), School of Music, A.B./ **Helen G. Ward** (1970), Office for Business Affairs/ **Janis Schelner** (1977), Office of Student Affairs.

## Special Programs

### North Carolina Humanities Committee

**Brent D. Glass** (1983), Director/ **Daisy Brownstein** (1972), Administrative Associate/ **Alice Barkley** (1981), Program Associate.

### Special Services Program

**Gertrude S. Ross** (1981), Director, B.A., M.S./ **James E. Harrington** (1970), Counselor, B.S., M.Ed./ **Gladys E. Huggins** (1984), Reading and Study Skills Specialist, B.S., M.S./ **Darrell Racey** (1984), Writing Specialist, B.A., Certificate to TESOL/ **Tripti Sen** (1982), Mathematics Specialist, B.S., M.S.

### Upward Bound

**James E. Armstrong** (1976), Director, B.S.



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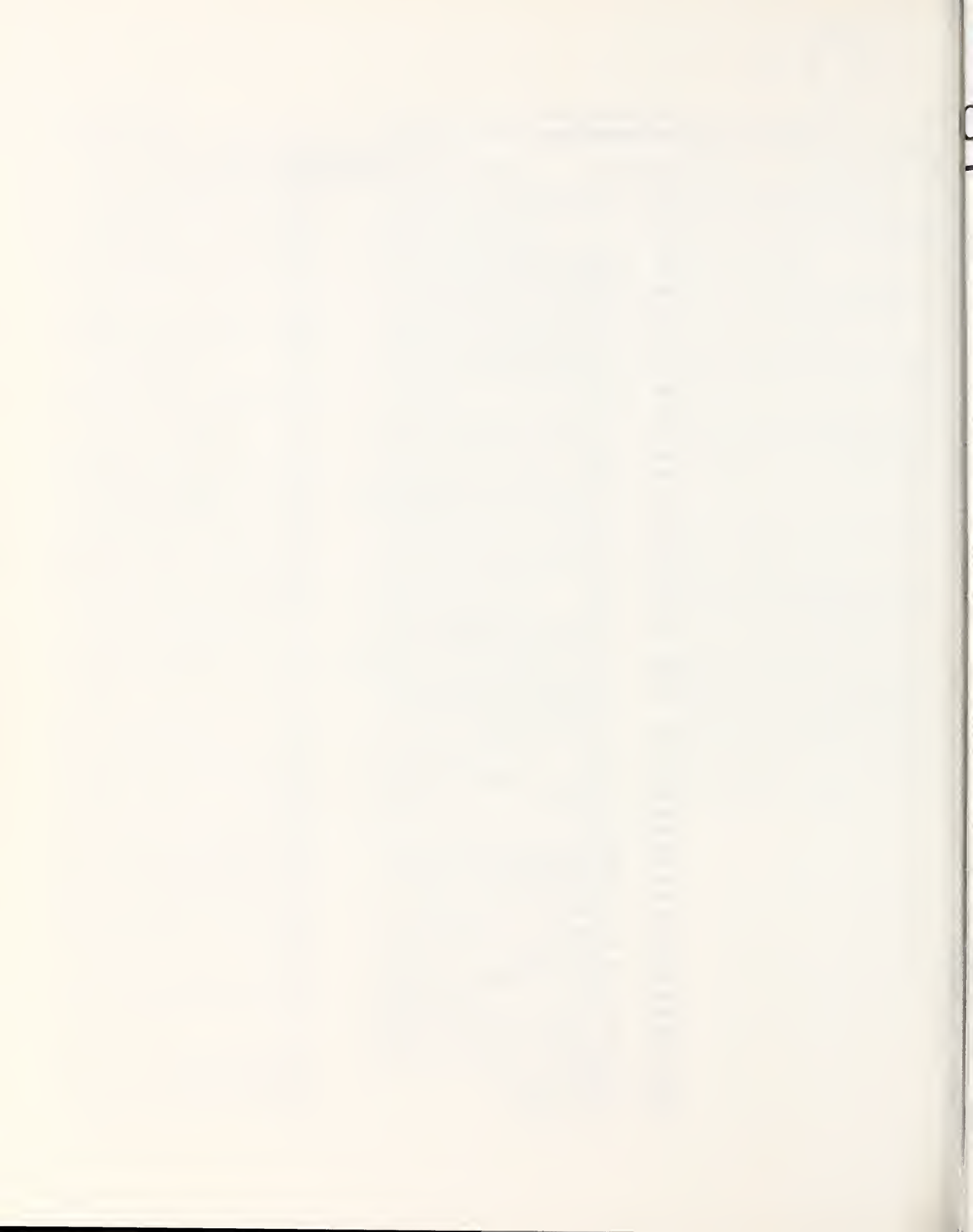
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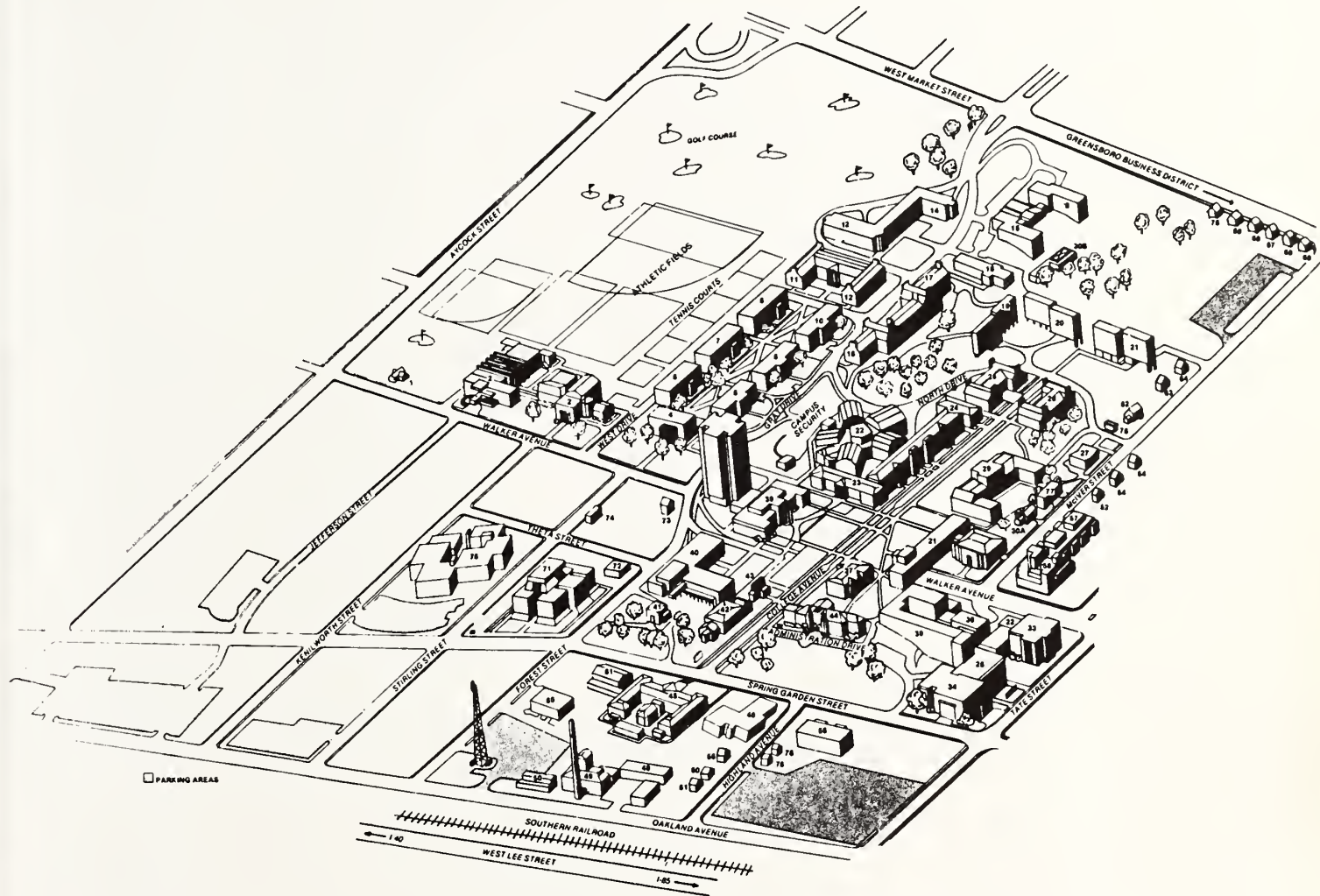
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