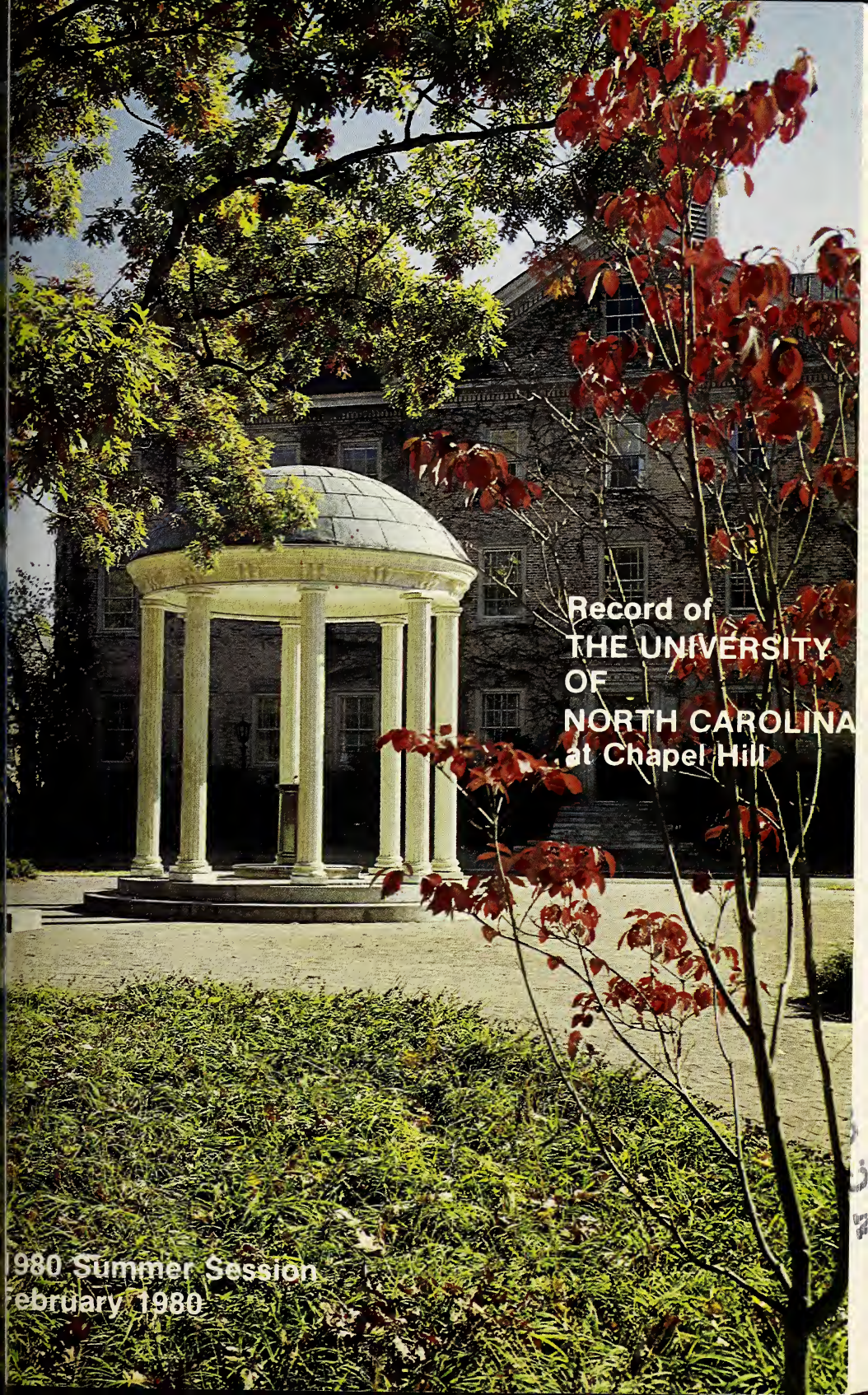
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OF
NORTH CAROLINA
at Chapel Hill
980 Summer Session
ebruary 1980

COVER:
"The Old Well."
Photograph by Hugh Morton, Sr., Class of 1943.

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FEBRUARY 1980 NUMBER 894

1980 summer session

ANNOUNCEMENTS

FIRST TERM MAY 19 to JUNE 24

SECOND TERM JUNE 30 to AUGUST 5

The University of North Carolina at Chapel Hill
Chapel Hill, NC 27514

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The University of North Carolina was chartered in 1789 and opened its doors to students at its Chapel Hill campus in 1795. Throughout most of its history, it has been governed by a Board of Trustees chosen by the Legislature and presided over by the Governor. During the period 1917-1972, the Board consisted of one hundred elected members and a varying number of *ex-officio* members.

By act of the General Assembly of 1931, without change of name, the University 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.

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 was changed to North Carolina State University at Raleigh.

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.

A revision of the North Carolina State Constitution adopted in November 1970 included the following: "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. The General Assembly shall provide for the selection of trustees of The University of North Carolina. . . ." In slightly different language, this provision had been in the Constitution since 1868.

On October 30, 1971, the General Assembly in special session merged, without changing their names, the remaining ten state-supported senior institutions into the University as follows: 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. This merger, which resulted in a statewide multicampus university of sixteen constituent institutions, became effective on July 1, 1972.

The constitutionally authorized Board of Trustees was designated the Board of Governors, and the number was reduced to thirty-two members elected by the General Assembly, with authority to choose their own chairman and other officers. The Board is "responsible for the general determination, control, supervision, management, and governance of all affairs of the constituent institutions." Each constituent institution, however, has its own board of trustees of thirteen members, eight of whom are appointed by the Board of Governors, four by the Governor, and one of whom, the elected president of the student body, serves *ex officio*. The principal powers of each institutional board are exercised under a delegation from the Board of Governors.

Each institution has its own faculty and student body, and each is headed by a chancellor as its chief administrative officer. Unified general policy and appropriate allocation of function are effected by the Board of Governors and by the President with the assistance of other administrative officers of the University. The General Administration office is located in Chapel Hill.

The chancellors of the constituent institutions are responsible to the President as the chief administrative and executive officer of The University of North Carolina.

TABLE OF CONTENTS

CALENDAR OF EVENTS 6
OFFICERS OF ADMINISTRATION 8
OFFICERS OF INSTRUCTION 9
GENERAL INFORMATION 17
Admission 17
Pre-registration 19
Registration 19
Drop/Add and Withdrawal 19
Residence Status for Tuition Payment 20
Directory Information 25
FINANCES, FACILITIES AND SERVICES 27
Tuition and Fees—Academic Affairs 27
Tuition and Fees—Health Affairs 28
Student Financial Aid 29
Housing, Laundry, Food Service 31
Motor Vehicle Registration and Bus Service 33
Facilities and Student Services 33
Regulations 37
SPECIAL FEATURES 40
Short Terms 40
Clinics, Institutes, Seminars, and Workshops 41
Institute of Marine Sciences Summer Program 41
Summer Field Course in Geology 42
Studies at the Highlands Biological Station 42
Carolina's Study-Travel Program in Great Britain 43
Carolina's Study-Travel Program in Europe 44
Carolina's Study-Travel Program in Israel and Italy 44
Workshop on Gifted Education 44
Music Choral Institutes 45
North Carolina High School Radio-TV Institute 47
Conferences for Personnel in Child Care Agencies 48
SCHEDULE OF COURSES 49
African and Afro-American Studies 49
Anthropology 49
Art 51
Astronomy (See Physics and Astronomy) 96
Biology 56
Botany 58
Business Administration 59
Chemistry 62
Classics 66
Comparative Literature 68
Computer Science 69
Dramatic Art 70
Economics 71
Education 73
English 76
Folklore 78
French (Romance Languages) 105
Geography 78
Geology 79

Germanic Languages 80
Greek (Classics) 66
History 80
Italian (Romance Languages) 107
Journalism 82
Latin (Classics) 66
Law 83
Library Science 83
Linguistics and Non-Western Languages 84
Marine Sciences 85
Mathematics 87
Music 88
Pharmacy 90
Philosophy 91
Physical Education 91
Physical Therapy 95
Physics and Astronomy 96
Political Science 97
Portuguese (Romance Languages) 107
Psychology 99
Radio, Television, and Motion Pictures 101
Recreation Administration 103
Religion 104
Romance Languages 105
Slavic Languages 109
Social Work 110
Sociology 110
Spanish (Romance Languages) 108
Speech Communication 111
Speech and Hearing Sciences 112
Statistics 113
Zoology 113

CALENDAR OF EVENTS

FIRST TERM

May 19	Monday—Registration Late Registration: Registration for credit will be permitted on May 20 and until 4:30 on May 21, but a fee of $5 will be charged for each student who registers later than May 19
May 20	Tuesday—First day of classes
May 21	Wednesday—Last day to change class schedule
May 26	Monday—Holiday (Memorial Day)
June 3	Tuesday—Last day undergraduate students may drop classes
June 6	Friday—Last day for submitting an application for a degree and an application for admission to candidacy for the master's degree or an application for doctoral degrees for August graduation
June 11	Wednesday—Registration for Short Term. (1:00-3:00 P.M.)
June 12	Thursday—First day of classes for Short Term
June 13	Friday—Last day graduate students may drop a course
June 20	Friday—Last day of classes for First Term
June 23-24	Monday-Tuesday—Examinations according to schedule, except for Short Term Courses
June 27	Friday—Last day of classes and examinations for Short Term

EXAMINATION SCHEDULE

June 23, Monday		June 24, Tuesday	
Class	**Examination**	**Class**	**Examination**
11:20	8 to 10 A.M.	9:40	8 to 10 A.M.
2:40	11 to 1 P.M.	1:00	11 to 1 P.M.
8:00	3 to 5 P.M.	4:20 and others not otherwise provided for:	3 to 5 P.M.

A number of short courses and institutes will be offered during a term June 11 through June 27. A list of these courses and institutes is included under the section Special Features. Classes meet 3 hours (or more) per day for 3 semester hours credit.

Calendar of Events (continued)

SECOND TERM

June 30	Monday—Registration (Including Short Term) Late Registration: Registration for credit will be permitted on July 1 and until 4:30 on July 2, but a fee of $5 will be charged each student who registers later than June 30.
July 1	Tuesday—First day of classes. (Including Short Term)
July 2	Wednesday—Last day to change class schedule
July 4	Friday—Holiday (Independence Day)
July 12	Saturday—Written comprehensive examinations for master's candidates for the August graduation may not be taken after this date
July 15	Tuesday—Last day undergraduate students may drop a course
July 17	Thursday—Last day of classes and final examinations for Short Term
July 25	Friday—Last day graduate students may drop a course
August 1	Friday—Final signed copies of doctoral dissertations and master's theses for candidates for the August graduation must be filed in the Graduate School by this date
August 1	Friday—Last day of classes for Second Term
August 4-5	Monday-Tuesday—Examinations according to schedule

EXAMINATION SCHEDULE

August 4, Monday		August 5, Tuesday	
Class	**Examination**	**Class**	**Examination**
11:20	8 to 10 A.M.	9:40	8 to 10 A.M.
2:40	11 to 1 P.M.	1:00	11 to 1 P.M.
8:00	3 to 5 P.M.	4:20 and others not otherwise provided for:	3 to 5 P.M.

A number of short courses and institutes will be offered during a term June 30 through July 17. A list of these courses and institutes is included under the section Special Features. Classes meet 3 hours (or more) per day for 3 semester hours credit.

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2. Resigned August 31, 1979.
3. Effective September 1, 1979.

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EDGAR B. MARSTON, M.B.A., Lecturer in Dramatic Art
JOHN H. MARTIN, J.D., Professor of Law
CRAIG H. MELCHERT, Ph.D., Assistant Professor of Linguistics
JOHN MENAPACE, Visiting Artist
BISHETTA D. MERRITT-WILLIAMS, Ph.D., Assistant Professor of Radio, Television, and Motion Pictures
EUGEN MERZBACHER, Ph.D., Kenan Professor of Physics
ANCEL C. MEWBORN, Ph.D., Professor of Mathematics
LEE E. MEYER, Ph.D., Instructor in Recreation Administration
MARILYN L. MILLER, Ph.D., Associate Professor of Library Science
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ROBERTA MILLER, M.S. in L.S., Visiting Lecturer in Library Science
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PHILLIP SCHLECHTY, Ph.D., Professor of Education
GEORGE SCHLESINGER, Ph.D., Professor of Philosophy
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LARS SCHOULTZ, Ph.D., Associate Professor of Political Science
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JOEL SCHWARTZ, Ph.D., Professor of Political Science
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DANIEL E. SCURO, Ph.D., Associate Professor of Dramatic Art
DONALD SEARING, Ph.D., Professor of Political Science
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KINNARD P. WHITE, Ph.D., Professor of Education
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STAFFORD WING, M.M., Associate Professor of Music
WARREN WOGEN, Ph.D., Professor of Mathematics
DEIL WRIGHT, Ph.D., Professor of Political Science
FRED B. WRIGHT, Ph.D., Professor of Mathematics
RICHARD H. ZAFFRON, Ph.D., Assistant Professor of Philosophy
MARTIN ZECHMAN, Ph.D., Assistant Professor of Political Science
PAUL ZIFF, Ph.D., William Rand Kenan, Jr., Professor of Philosophy

GENERAL INFORMATION

One of the earliest, and possibly the earliest, summer schools in America was established at The University of North Carolina at Chapel Hill in 1877. The "Summer Normal School" continued annually for eight years until it was suspended in 1884. It was revived in 1894 and continued annually until 1904, when it was again suspended. It was begun again in 1907 and has continued to the present time.

Students of The University of North Carolina at Chapel Hill, and of other institutions, find opportunities through the Summer Session for study in professional schools and academic departments with a wide selection of courses for graduate and undergraduate students. Full course listings in these schools and departments, alphabetically arranged, are carried in a later part of this catalog.

Classes are taught by the same faculty that makes The University of North Carolina at Chapel Hill one of the nation's leading universities. The faculty of distinguished scholars and researchers often has visiting professors eminent in their fields join them during the summer terms.

For degree requirements in baccalaureate and graduate programs, one should see other publications of the University, especially *The Undergraduate Bulletin* for information on any of the several bachelor's degrees and *The Graduate School Catalog* with respect to any of the master's and doctoral degrees awarded by the institution. Students in one of the professional schools, or those interested in one of these, should refer to the specific bulletins of the school of their interest.

Admission. Any person who wishes to begin in the summer months a program of study that will carry into the following academic year or that will lead to a bachelor's degree from The University of North Carolina at Chapel Hill must apply to the director of Undergraduate Admissions. Similarly, former undergraduate students who have not graduated and wish to return to the University in the summer should apply to: Director of Undergraduate Admissions, Monogram Club Building 153A, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514.

Any person who wishes to begin a program of graduate study in the summer or former graduate students who wish to continue work on a degree program should apply to: Director of Graduate Admissions, Steele Building 050A, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514.

Any person who wishes to attend the University in the summer as a **visiting** student should apply to: Director of the Summer Session, 102 Peabody Hall 037A, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514. Visiting students may be degree candidates in other institutions; they may be teachers who wish to improve their professional credentials, without entering degree programs; or persons who may wish simply to study subjects of interest to themselves.

Appropriate application forms may be obtained from any of the admitting officers referred to above. An application for admission as a visiting student is included at the back of this catalog. Supporting material in the form of transcripts, letters of recommendation, reports of scores on standard examinations, and information concerning residence status may be required of an applicant.

Any admission effected through the director of the Summer Session is terminated not later than the end of the last term of the Summer Session and does not commit the University to continue serving the student into the academic year. One who is regularly admitted to the summer session through either the Graduate School or Undergraduate Admissions may be eligible to continue in the fall semester.

Curricular Advice. A visiting student who is regularly enrolled in another college or university should register only after he has sought the advice of his own dean. In this way he can avoid taking courses here that are not considered appropriate for his degree program in the home institution.

A student who has a question concerning teacher certification should consult Student Services, School of Education, Peabody Hall 037A, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514, Telephone (919) 966-1346, or an officer of the State Department of Public Instruction at Raleigh, or his own state department.

All visitors may obtain information on routine matters from the office of the Summer Session.

Students in degree status in the University will have departmental advisers or members of their dean's staff to whom they may look for information and advice.

PRE-REGISTRATION

Students are encouraged to pre-register for the Summer Session. Resident students are given the opportunity of pre-registering during the spring semester. New and returning students in degree programs should seek advice from the appropriate dean's offices.

Visiting students will be permitted to pre-register by mail if the Application for Admission to Summer Session and the Pre-Registration Approval forms are properly completed, received, and approved by the office of the Summer Session by May 5 for Term I and June 16 for Term II. Due to the uncertainty in the mail service, there may be occasions where delays will result in a student's forms not being received by the above mentioned deadline. It will then be necessary for the student to go through the procedure of registering on the official registration day in 08 Peabody Hall.

Visiting students who submit all necessary forms, and are cleared for pre-registration on or before the dates mentioned above, will be mailed a card from the Registration Office giving instructions for completing registration. This card will be mailed to the address indicated on the reverse side of the Pre-Registration Approval form.

REGISTRATION

The bases of the Summer Session are two terms of five and one-half weeks each. Registration for the first term will be held on May 19 between 8:00 A.M. and 4:30 P.M. Registration for the second term will be held on June 30 between the same hours. Registration will be held in the offices of the colleges and schools. Summer visitors will be registered by the director of the Summer Session in Peabody Hall. Registration after the specified times will not be permitted except as indicated in the following paragraph, and then a late fee of $5 will be charged. (Information on registration will be provided with the notice of admission.)

Registration for credit in regular courses for the first term will be permitted until 4:30 P.M. of May 21; similarly, registration in the second term will be permitted until the same hour on July 2.

DROP/ADD AND WITHDRAWAL

Drop/Add. In order to officially drop a course it is necessary to complete the Drop/Add form and have it approved by the student's dean. (Visiting students will have the form approved by the director of the Summer Session.) Merely ceasing to attend classes or notifying the instructor does not constitute official withdrawal from the course and the full amount of tuition will still be due and payable.

Schedule changes may be made on May 19 and until 4:30 P.M. on May 21 for the first term. The second term schedule changes may be made on June 30 and until 4:30 P.M. on July 2. No course can be added for credit after the final day of this period.

Undergraduate students will be permitted to drop courses up to 4:30 P.M. of the tenth day of classes each term: Term I—June 3 and Term II—July 15.

A *graduate student* may drop a course no later than one week prior to the end of the last day of classes, not including the two days of examinations; Term I—June 13 and Term II—July 25.

Withdrawal. An official withdrawal may be executed when a student desires to leave the University, after beginning classes and before the term ends. To be official, a withdrawal form must be cleared with instructor(s), certain offices on campus, and all financial obligations must be met. The student's dean will have the form and give directions on how to complete it. Unless this procedure is completed, the student will receive a grade of **AB** on all courses, which will convert to the grade of **F** at the end of 12 months.

RESIDENCE STATUS FOR TUITION PAYMENT*

General. Every applicant for admission is required to make a statement as to his or her length of residence in North Carolina. The tuition charge for legal residents of North Carolina is less than for nonresidents. To qualify for in-state tuition a legal resident must have maintained his or her domicile in North Carolina for at least twelve months immediately prior to his or her classification as a resident for tuition purposes. In order to be eligible for such classification, the student must establish that his or her presence in the State during such twelve-month period was for purposes of maintaining a bona fide domicile rather than for purposes of mere temporary residence incident to enrollment in an institution of higher education.

Domicile. Domicile means one's permanent dwelling of indefinite duration, as distinguished from a temporary place of abode; synonymous with "legal residence."

Burden of Proof and Statutory Prima Facie Evidence. 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. For a student to be classified a resident for tuition purposes, the balancing of all the evidence must produce a preponderance of the evidence supporting the assertion of in-state residence. Proof of residential status is

*The information in this section comes from three sources (i) North Carolina General Statutes, Sec. 116-143. 1; (ii) *A Manual to Assist the Public Higher Education Institutions of North Carolina in the Matter of Student Residence Classification for Tuition Purposes.* August 1979; (iii) Chancellor's Rules and Procedures for Residence Classification of Students for Tuition Purposes.

controlled, initially, by two statutorily prescribed and complementary evidentiary beginning points, which are stated in terms of prima facie evidence:

a. If the parents or court-appointed legal guardian of the student (without reference to the question of whether the student is a minor or an adult) are not domiciliaries (legal residents) of North Carolina, under the Statute this fact constitutes prima facie evidence that the student is not a domiciliary (legal resident) of North Carolina, unless the student has lived in this State the five consecutive years prior to enrolling or re-registering. The student must assume the burden of overcoming the prima facie showing by producing evidence that he or she, independently is in fact a domiciliary (legal resident) of North Carolina, in spite of the nonresident status of his or her parents;

b. Conversely, if the parents of the student are domiciliaries of North Carolina under the Statute, this fact constitutes prima facie evidence that the student is a domiciliary of North Carolina. This prima facie evidence may also be overcome by other evidence of legal residence. If the student has neither parents nor legal guardian, the prescribed prima facie evidence rule cannot and does not apply.

Statutory Exceptions

a. *Grace Period.* By virtue of the provisions of G.S. 116-143.1, if a student has been properly classified as a resident for tuition purposes, a change in that student's state of residence thereafter does not effect in all cases an immediate automatic loss of entitlement to the in-state tuition rate. To qualify for the grace period, the following conditions must be satisfied:

1. The student must have been properly classified as a resident for tuition purposes, on the basis of a valid finding that the student in fact was a legal resident of North Carolina and had been such for the requisite twelve-month period prior to classification;

2. At the time of subsequent change of legal residence to a state other than North Carolina, the student must have been enrolled in a public institution of higher education in North Carolina.

The extent of this grace period, during which the in-state rate is applicable in spite of the fact that the student is not a legal resident of North Carolina, is twelve months from the date of change in legal residence, plus any portion of a semester or academic term remaining, as of the expiration date of the twelve-month period, in which the student is enrolled.

b. *Qualifying Periods for Spouses.* By virtue of the provisions of G.S. 116-143.1, the prescribed twelve-month period of legal residence required for entitlement to classification as a resident for tuition purposes may be shortened on the basis of the marital status of the student, in specified circumstances. If a student otherwise can demonstrate compliance with the fundamental statutory requirement that he or she be a legal resident of

North Carolina, the second statutory requirement relating to duration of residence may be satisfied derivatively, in less than twelve months, by reference to the length of the legal residence of the spouse of the student, if the spouse has been a legal resident of the State for the requisite twelve-month period.

Married Persons. The domicile of a married person, irrespective of sex, is determined by reference to all relevant evidence of domiciliary intent. No person is precluded, solely by reason of marriage to a person domiciled outside of North Carolina, from establishing or maintaining legal residence in North Carolina. No person is deemed, solely by reason of marriage to a person domiciled in North Carolina, to have established or maintained a legal residence in North Carolina. The fact of marriage and the place of the domicile of his or her spouse are deemed relevant evidence to be considered in ascertaining domiciliary intent.

Minors. A minor is any person who has not reached the age of eighteen years. The domicile of a minor is that of the father. With a few exceptions noted below, this presumption is virtually irrebuttable. If the father is deceased, the domicile of the minor is that of the surviving mother. If the parents are divorced or legally separated, the domicile of the minor is that of the parent having custody by virtue of a court order; or, if no custody has been granted by virtue of court order, the domicile of the minor is that of the parent with whom he or she lives; or, if the minor lives with neither parent, in the absence of a custody award, the domicile of the minor is presumed to remain that of the father.

In determining residence status for tuition purposes, there are two exceptions to the above provisions:

1. If a minor's parents are divorced, separated or otherwise living apart and one parent is a legal resident of North Carolina, during the time period when that parent is entitled to claim, and does claim, the minor as a dependent on the North Carolina individual income tax return, the minor is deemed to be a legal resident of North Carolina for tuition purposes, notwithstanding any judicially-determined custody award with respect to the minor.

2. If, immediately prior to beginning an enrolled term, the minor has lived in North Carolina for five or more consecutive years in the home of an adult relative (other than a parent) who is a legal resident of North Carolina, and if the adult relative, during those years, has functioned as a de facto guardian of the minor, then the minor is considered a legal resident of North Carolina for tuition purposes. If a minor qualified for resident status for tuition purposes under this provision immediately prior to his or her eighteenth birthday, then, when he or she reaches the age of eighteen, he or she will be deemed to be a legal resident of North Carolina of at least twelve months' duration.

Even though a person is a minor, under certain circumstances the person may be treated by the law as being sufficiently independent from his or her parents as to enjoy a species of adulthood for legal purposes. The consequences, for present purposes, of such circumstances is that the affected person is presumed to be capable of establishing a domicile independent of that of the parents; it remains for that person to demonstrate that a separate domicile in fact has been established. The circumstances recognized as having the potentially emancipating effect are:

1. Marriage of the minor person.
2. Parental disclaimer of entitlement to the minor's earnings and the minor's proclamation and actual experience of financial independence from his or her parents, with the actual establishment and maintenance of a separate and independent place of residence.

Aliens. An alien holding a visa which will permit eventual permanent residence in the United States is subject to the same considerations with respect to determination of legal residence as a citizen. An alien abiding in the United States under a visa conditioned at least in part upon intent not to abandon a foreign domicile (B, F, H and J visas) cannot be classified as a resident. An alien holding a visa issued for a purpose which is so restricted as to be fundamentally incompatible with an assertion by the alien of bona fide intent to establish a legal residence (C and D visas) cannot be classified as a resident. A refugee or orphan from the Republic of Vietnam, Laos or Cambodia, paroled into the United States after March 31, 1975, who has abided in this state for twelve consecutive months may receive in-state tuition privileges.

Military Personnel. The domicile of a person employed by the Federal Government is not necessarily affected by assignment in or reassignment out of North Carolina. Such a person may establish domicile by the usual requirements of residential act plus intent. No person loses his or her in-state residence status solely by serving in the armed forces outside of the State of North Carolina.

Property and Taxes. Ownership of property in or payment of taxes to the State of North Carolina apart from legal residence will not qualify one for the in-state tuition rate.

Change of Status. A student admitted to initial enrollment in an institution (or permitted to re-enroll following an absence from the institutional program which involved a formal withdrawal from enrollment) is classified by the admitting institution either as a resident or as a nonresident for tuition purposes prior to actual matriculation. In the absence of a current and final determination by the admitting institution that the student is a resident for tuition purposes, relative to the term of initial enrollment or re-enrollment, the student is classified a nonresident for tuition purposes prior to actual matriculation. A residential classification once assigned (and confirmed pursuant to any appellate process invoked) may be

changed thereafter (with a corresponding change in billing rates) only at intervals corresponding with the established primary divisions of the academic calendar.

Transfer Students. When a student transfers from one North Carolina public institution of higher education to another, he or she is treated as a new student by the institution to which he or she is transferring and must be assigned an initial residential classification for tuition purposes.

The transfer into or admission to a different component of the same institution (e.g., from an undergraduate to a graduate or professional program) is not construed as a transfer from one institution to another and thus, does not by itself require a reclassification inquiry unless (1) the affected student requests a reclassification inquiry or (2) the transfer or enrollment occurs following the lapse of more than one quarter, semester, or term during which the individual was not enrolled as a student.

Responsibility of Students. Any student or prospective student in doubt concerning his or her residence status must bear the responsibility for securing a ruling by stating his or her case in writing to the admissions officer. The 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 Office of Admissions of these circumstances in writing. Failure to give complete and correct information regarding residence constitutes grounds for disciplinary action.

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 nonresident at the time of tuition billing pays the nonresident rate. Conversely, if a student is classified as a resident at the time of billing, he or she pays the resident rate. Any necessary adjustments in the rate paid will be made at the conclusion of the appeal.

If a student, who has been found to be a nonresident for tuition purposes, receives an erroneous notice from an institutional officer identifying the student as a resident for tuition purposes, the student is not responsible for paying the out-of-state tuition differential for any enrolled term beginning before the classifying institution notifies the student that the prior notice was erroneous.

If a student is classified a resident for tuition purposes after submitting falsified residentiary information or after knowingly withholding residentiary information, the student's application for in-state tuition status is fraudulent. The institution may re-examine any application suspected of being fraudulent, and, if warranted, will change the student's residence status retroactively to the beginning of the term with respect to which the student originally made the fraudulent application. If this occurs, the student must pay the out-of-state tuition differential for all the enrolled terms intervening between the fraudulent application and its discovery. Further,

knowing falsification of responses on a resident status application may subject the applicant to disciplinary consequences, including dismissal from the institution.

Appeals of Rulings of Admissions Officers. A student appeal of a classification decision made by any admissions officer must be filed by the student with that officer in writing and is transmitted to the Residence Status Committee by that officer, who does not vote in that committee on the disposition of such appeal. The student is notified of the date set for consideration of the appeal and, on request of the student, he or she is afforded an opportunity to appear and be heard by the Committee. Any student desiring to appeal a decision of the Residence Status Committee must give notice in writing of that fact within 10 days of receipt by the student of the decision of the Residence Status Committee, and the basis for such appeal, to the Chairman of the Residence Status Committee, and the Chairman promptly transmits the appeal to the State Residence Committee.

A complete explanation of the Statute and the procedures under the Statute is contained in *A Manual to Assist the Public Higher Education Institutions of North Carolina in the Matter of Student Residence Classification for Tuition Purposes.* This *Manual* and other information concerning the application of this law is available for inspection in the Admissions Offices of the University.

All students are responsible for knowledge of the contents of the Statute and the *Manual.*

Students or prospective students who believe that they are entitled to be classified residents for tuition purposes should be aware that the processing 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 make impossible accelerated handling.

NOTICE ON "DIRECTORY INFORMATION" TO ALL STUDENTS OF THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

The University of North Carolina at Chapel Hill has routinely made public certain information about its students. Some typical ways this has been done include the following: names of students who are selected by the various honorary societies, who receive scholarships, who make the Dean's List, who hold offices, or who are members of athletic teams are frequently made public. To facilitate campus communication the University annually publishes the *Campus Directory.* Some professional and graduate school student groups publish directories of students in their departments or schools. The annual commencement program publishes the names of persons who have received degrees during the year.

The Family Educational Rights and Privacy Act defines the term "directory information" to include the following categories of information: the student's name, address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most recent previous educational agency or institution attended by the student. The University will make public information about each student *limited* to these categories in ways such as those described above. Of course, information from all these categories is not made public in every listing. The *Campus Directory*, for example, publishes only names, addresses, and telephone numbers.

Students who do not wish to have any or all of such "directory information" made public without their prior consent must notify the Office of Records and Registration, The University of North Carolina at Chapel Hill of this fact in a signed and dated statement specifying items not to be published. This notice must be received by the Office of Records and Registration by the end of the registration period for the semester or session of first enrollment or, after an absence, of re-enrollment and by the end of each fall registration period thereafter.

Nondiscrimination Policy

The University of North Carolina at Chapel Hill is committed to the principle of equal opportunity. It is the policy of this University not to discriminate on the basis of race, sex, color, national origin, religion, or handicap with regard to its students, employees, or applicants for admission or employment. Such discrimination is also prohibited by federal law. Any complaints alleging failure of this institution to follow this policy should be brought to the attention of the Assistant to the Chancellor.

FINANCES, FACILITIES, AND SERVICES

STUDENT FINANCES

Tuition and Fee Charges* for Each of the Summer Terms

ACADEMIC AFFAIRS

UNDERGRADUATE AND GRADUATE STUDENTS: Arts & Sciences, Business Administration, Education, Evening College, General College, Journalism, Law, Library Science, and Social Work.

	RESIDENT			NONRESIDENT		
Hours	Tuition	Fees(2)	Total	Tuition	Fees(2)	Total
Thesis 0(1)	20.00	36.00	56.00	20.00	36.00	56.00
1	40.00	36.00	76.00	98.00	36.00	134.00
2	60.00	36.00	96.00	176.00	36.00	212.00
3	80.00	36.00	116.00	254.00	36.00	290.00
4	100.00	36.00	136.00	332.00	36.00	368.00
5	120.00	36.00	156.00	410.00	36.00	446.00
6	140.00	36.00	176.00	488.00	36.00	524.00
7	160.00	36.00	196.00	566.00	36.00	602.00
8	180.00	36.00	216.00	644.00	36.00	680.00
9	200.00	36.00	236.00	722.00	36.00	758.00
10	220.00	36.00	256.00	800.00	36.00	836.00

MARINE SCIENCE INSTITUTE (Morehead City, NC)—Students will be charged for tuition only, according to the above schedule.

SHORT TERM—Students enrolled in Short Term courses will be charged appropriate tuition by the schedule above, and fees of $18.00 rather than $36.00.

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(1) GRADUATE SCHOOL—Thesis for 0 hours cannot be taken in combination with other courses for regular credit. Thesis 0 (393/394) and General Registration 400 are $56.00 for tuition and fees for resident or nonresident students. Thesis 0 (not in residence) is $20.00 for tuition; no fees. Charges for X courses are the same as for other courses.

(2) FEES—CHEMISTRY: Add $20.00 fee for each of the following Chemistry Laboratory courses—CHEM 11L, 21L, 41L, 42L, 141L, 142L, 170L, 171L, 181L, and 182L.

LAW: Add $1.00 for Law Association Fee.
SOCIAL WORK: Field Fees will be $150.00 additional for each of the following courses—220, 221, 222, 223, and 350.

*Tuition and fees subject to change at the discretion of the University.

HEALTH AFFAIRS

	RESIDENT			NON-RESIDENT		
	Tuition	Fees	Total	Tuition	Fees	Total
Dental Auxiliary & Dental Hygiene (undergraduate)	73.00	36.00	109.00	415.00	36.00	451.00
Dental Graduate (8 weeks)	218.00	58.00	276.00	554.00	58.00	612.00
Thesis 0 (Dent. 400)	45.00	58.00	103.00	45.00	58.00	103.00
Dental (DDS) (8 weeks)	218.00	58.00	276.00	694.00	58.00	752.00
Medical Undergraduate (Med. Tech/Phys. Ther/Rad. Sci.)	73.00	36.00	109.00	415.00	36.00	451.00
Medical Graduate	73.00	36.00	109.00	415.00	36.00	451.00
Thesis 0	35.00	36.00	71.00	35.00	36.00	71.00
Medical (MD)—						
4 week elective	117.00	29.00	146.00	372.00	29.00	401.00
6 week clerkship	115.00	36.00	151.00	364.00	36.00	400.00
12 week clerkship	238.00	72.00	310.00	754.00	72.00	826.00
REMEDIAL-Full Program	205.00	58.00	263.00	650.00	58.00	708.00
REMEDIAL-Half Program	103.00	29.00	132.00	325.00	29.00	354.00
Nursing Undergraduate (Includes $25.00 Field Fee)	73.00	61.00	134.00	415.00	61.00	476.00
Nursing Graduate	73.00	36.00	109.00	415.00	36.00	451.00
Thesis 0	35.00	36.00	71.00	35.00	36.00	71.00
Pharmacy Undergraduate	85.00	36.00	121.00	415.00	36.00	451.00
Pharmacy Graduate	73.00	36.00	109.00	415.00	36.00	451.00
Thesis 0	35.00	36.00	71.00	35.00	36.00	71.00
Public Health Undergraduate	73.00	36.00	109.00	415.00	36.00	451.00
(1) Public Health Graduate	122.00	36.00	158.00	415.00	36.00	451.00
Thesis 0	35.00	36.00	71.00	35.00	36.00	71.00

Note: (1) PUBLIC HEALTH FIELD FEES

BIOS 301	$150.00	HADM 90	$200.00	NUTR 158	$350.00
BIOS 302	450.00	HADM 206	450.00	NUTR 251	450.00
ENVR 164	175.00	HEED 240	450.00	PHNU 272	300.00
ENVR 165	200.00	HEED 340	450.00	PHNU 301	150.00
EPID 315	450.00	MHCH 214	450.00	PHNU 396	450.00

The University cannot under any circumstances make adjustments or waive the payment of tuition and fees.

Tuition and fees are due at registration and must be paid no later than the first day of classes but may be prepaid by mail or in person. Checks should be made payable to The University of North Carolina and mailed to the University Cashier, 103 Bynum Hall 008A, The University of North

Carolina at Chapel Hill, Chapel Hill, NC 27514. Social Security number should be shown on the face of the check so that proper credit can be given for payment.

DO NOT SEND PAYMENTS FOR TUITION AND FEES TO THE SUMMER SESSION OFFICE.

In case of withdrawal from the Summer Session, tuition and fees will be prorated over a period of three weeks from the first day of classes in the case of students registered for the regular term of five and one-half weeks.

SUMMER SESSION EXPENSES, 1980

A single student's typical expenses for each term in the 1980 Summer Session would include the following:

In-State tuition	136.00
Fees	36.00
Books and supplies (approximately)	60.00
Dormitory room rent (approximately)	110.00
Board (approximately)	238.00
Personal expenses (approximately)	134.00
Total for N.C. resident	714.00
Nonresident tuition differential	348.00
Total for Nonresident	1,062.00

The estimated figures above should be doubled for a student attending both summer terms. These figures are best estimates and are subject to change. They would be adequate for most students and represent proven average costs.

Tuition and fees are due at registration and should be the student's responsibility to pay at that time in person or by mail at the University Cashier's office, 103 Bynum Hall 008A.

STUDENT FINANCIAL AID

This University continues to try to help students who need money to pay for the cost of their education. It is expected that students and their families should first pay all that they can reasonably afford; then the University makes every effort to provide additional funds so that students can pay all costs. Financial aid here includes scholarships, grants, loans, and Work-Study employment, but awards are limited to the availability of funds.

The following are the forms that are necessary in order to apply for financial aid for Summer, 1980; all forms are available at the Student Aid Office, 300 Vance Hall 057A, Chapel Hill, NC 27514:

1. *The Summer Session Attendance Certificate*—This form must be filed by all applicants for consideration for financial aid for Summer Session 1980 (either or both terms). Part One is completed by the student and his or her academic advisor at the University; Part Two is completed by the student, giving details of the estimated costs and resources anticipated during the aid period.

   This form replaces the *Student Aid Application* which was formerly used.
2. *The Financial Aid Form (FAF)*—This standard form that shows the ability of the student and family to contribute to education must also be completed and filed by *all applicants*. However, if there is a 1979-80 *FAF* that has already been filed by students who have applied for aid for the 1979-80 school year, this can be used for the 1980 Summer Session. For all other students, a 1980-81 *FAF* should be filed *after* January 1, 1980, but *no later than* March 1st with the College Scholarship Service, P.O. Box 2700, Princeton, NJ 08540.
3. *The Financial Aid Transcript*—This student aid form must be filed at the Student Aid Office by *all first-time applicants who have attended some post-secondary school other than UNC-CH*.

Student aid awards to students who need funds for Summer, 1980, will be made considering facts that are listed here:

For those students who file a *Summer Session Attendance Certificate*, and all other forms, by the March 1st deadline, notices of awards will be sent beginning late April. Late or incomplete Applications will be processed as time and funds permit.

Eligible students can pick up checks for scholarships, grants, and loans awarded, at Pettigrew Hall, 3rd floor, on May 20, for first summer term and July 1, for second summer term. A valid Summer Session class schedule (registration form) must be shown in order to receive checks. Graduate students registered for zero credit hours and/or doing dissertation or thesis preparations must also provide an *Advisor's Statement* (available from the Student Loan Office, Room 205 Vance Hall) before funds can be disbursed.

1. It is anticipated that there will be sufficient loan and College Work-Study funds to make awards from these sources for both terms of the Summer Session. Applicants should not generally anticipate scholarship or grant funds for summer awards.
2. Continuing students will be given priority. Beginning students may be funded in the summer of 1980, if funds are available. Visiting students cannot be funded.
3. Those undergraduate students who did not maintain their academic eligibility to return in the fall cannot receive funds to attend either of the

1980 summer terms, since they are not making satisfactory progress toward a degree.

4. To be eligible for student aid funds in the summer, students who are currently enrolled must be in a degree or certificate program, making satisfactory progress toward that degree or certificate, academically eligible to re-enroll, and take a minimum of six credit hours for each summer term which they attend.
5. Students should be certain of their academic plans before applying for assistance for the Summer Session. When aid is requested for one of the summer terms, it is improbable that funds can be awarded if the request is later changed to the other term. Due to time constraints, awards for the summer terms cannot be changed except under extreme circumstances and then *only* as time permits. At best, changes of planned attendance will delay funds.

HOUSING, LAUNDRY, FOOD SERVICE

Residence Halls are available to provide housing for Summer Session students. All rooms in all halls are furnished with beds, desks, bureaus, and closet space. Occupants are expected to provide their own pillows, linen for the single size beds, blankets, and towels, or they may obtain these items from the University Linen Rental Service. All students who are admitted to the Summer Session will automatically be sent a brochure which will include a room application form. However, if this brochure is not received by May 1, please write directly to the Housing Contracts Office, Carr Building 103A, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514, and request one be mailed to you. A completed application-contract, accompanied by full payment of room rent for the term of the contract, should be sent to the University Cashier, The University of North Carolina at Chapel Hill, Bynum Hall 008A, Chapel Hill, NC 27514. After the cashier validates the application-contract, it will be sent to the Department of Housing, which will notify the student by mail of the assignment. All but $15.00 of the room rent will be refunded if written notification of cancelation is received by the Housing Contracts Office on or before May 16 for the first term and June 27 for the second term. After these dates, room rent is not refundable.

Two Housing Options Available. Unless a student indicates a desire to obtain housing at a time other than the regular five-week sessions, he/she will be sent the general Summer Session brochure. However, the University does provide housing on a short-term basis to nonregistered guests who are participating in university-sponsored projects. Registered students who are in special programs and short terms are also eligible to live in short-term/conference housing, but they must request this different brochure/application. Rooms, may be reserved by the day or week, but payment must be made in advance for the entire period requested.

University Policy on Required Residence. Students who enter the University as freshmen must reside in University Housing during their first academic year of enrollment. (Exceptions to this policy will be made in individual cases for good cause, such as marriage or residence with parents. The Assistant Director of Housing for Residence Life must approve all such appeals.) *However, students are not required to do so in either term of the Summer Session.*

Each residence hall is staffed with an administrator-counselor who is charged with the responsibility of supervising the health, comfort, and safety of the students who live in that hall. Further information concerning University Residence Halls can be obtained by writing to the Housing Contracts Office, Carr Building 103A, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514. Telephone (919) 933-5401.

Projected* Schedule of Rent per Summer Session

	Single	Double
Men's Halls	$149.00	$103.00
Women's Halls	$149.00	$103.00
Coed Halls	$149.00	$103.00

Family Student Housing. The University owns and operates a Family Student Housing complex, known as Odum Village, which consists of 306 one and two bedroom apartments. It is conveniently located one mile south of the center of the campus and adjacent to the medical complex. A brochure and application may be obtained by writing to: Family Student Housing Office, Community Service Building 436A, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514. Early application is advisable.

Other Housing. Granville Towers is a privately-owned, University-approved complex of residence halls located near the campus. Further information can be obtained by writing: Granville Towers, University Square, Chapel Hill, NC 27514. Telephone (919) 929-7143.

Listings of off-campus accommodations for single students are kept on a bulletin board in Carr Building. Similar listings for married students are maintained at the Family Student Housing Office located at 217 Branson Street. The University strongly urges students to make arrangements for off-campus housing in person.

Laundry, Dry Cleaning, Linen, and Pillow Service. The University Laundry Department offers personal services as follows: 1) complete Finished Laundry Service; 2) Wash-Dry-Fold Service (nothing finished); 3) Dry Cleaning Service. All three services are available at the main plant call office

on Cameron Avenue on a Cash-and Carry Basis. 4) Linen Rental Service provides two sheets, one pillow case, and three bath towels on a weekly exchange basis, for a five and one-half week term. Fee is payable when service is requested. Pillows available for one or two terms.

Food Service. The University, through Servomation Corporation, provides a food service in the Pine Room Cafeteria in the center of the campus. Meals or snacks are available all day, seven days a week on a pay-as-you-eat basis or through a discounted meal plan. Snack bars or vending machines are available in most residence halls. Inquiries concerning meal plans can be made to University Food Service, P.O. Box 2422, Chapel Hill, NC 27514. Telephone (919) 933-2034.

MOTOR VEHICLE REGISTRATION AND BUS SERVICE

Students who enter the University and desire Campus Parking Privileges should apply at the Traffic Office. All Campus Parking is zoned into Student and Employee Zones. All students are eligible to apply except freshmen, but not all students receive permits due to limited parking facilities. No motor vehicle is allowed on campus without a parking permit during the enforcement hours, Monday through Friday, 7:30 A.M. until 5:30 P.M. There is a limited number of metered spaces on campus. **Bus service** is available to students by purchasing a Bus Pass from the Traffic Office. Office hours: Monday-Friday, 8:00 A.M.-4:00 P.M. For additional information write or call The Traffic Office, B-2 YMCA Building 151A, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514 or telephone (919) 933-3951 or 933-3952.

FACILITIES AND STUDENT SERVICES

Ackland Memorial Art Center. The William Hayes Ackland Memorial Art Center, which houses the Ackland Art Museum and the Department of Art History, provides facilities for exhibitions, teaching, research, and the study of collections of original works of art.

In addition to galleries of paintings, sculpture, prints, and drawings, the building contains the following facilities for the Department of Art: an auditorium for lecture classes, a department library, and a collection of over 100,000 slides and photographs of original art works.

Studio art facilities are found in Lenoir Hall (painting and printmaking), Caldwell Hall (arts and crafts), and the new Art Lab Building (sculpture and ceramic sculpture) on the Airport Road opposite the University Physical Plant.

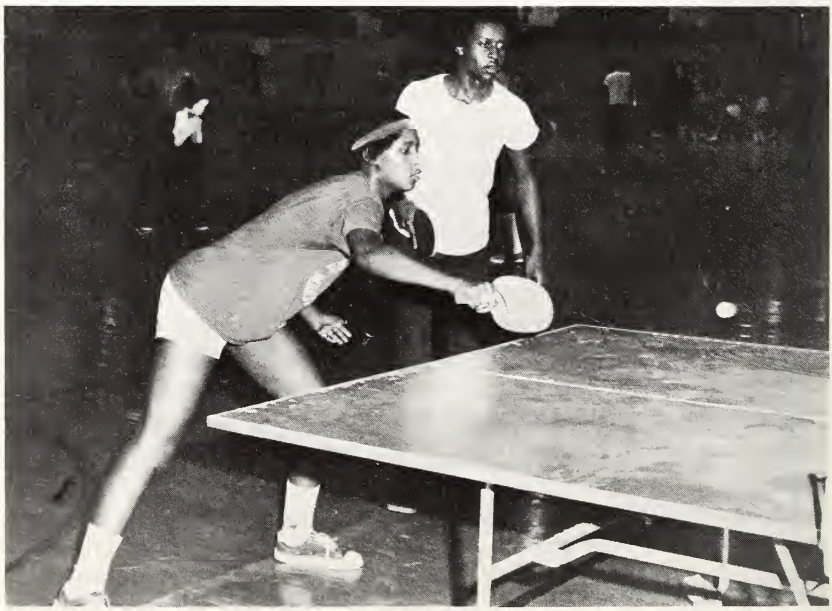
Books and Materials. Books, stationery, supplies, and other materials may be secured from the Student Stores at the usual market prices. All books required for courses offered in the Summer Session are carried in stock and sold by the Student Stores in the Josephus Daniels Building.

University Placement Services. The office of University Placement Services assists UNC-CH students and alumni seeking career employment. Major services include: 1) on-campus interviews with representatives from business and industry, government, public and private schools, and non-profit organizations; 2) job referrals; 3) job vacancy notebooks; 4) a credentials mailing service; and 5) career and employer literature. Workshops on job-seeking, resume-writing, and interviewing are given throughout the year, and a videotaped practice interview program is offered. Counselors are also available for individual employment counseling, by appointment. University Placement Services is located in 211 Hanes Hall and the hours are 8:00 to 4:30, Monday through Friday.

Gymnasium and Swimming Pools. The facilities of the Woollen Gymnasium will be available to summer students daily. Locker room service, handball courts, wrestling rooms, badminton, squash, and volleyball courts will be open for use on a regular schedule.

Recreational swimming is scheduled in the outdoor pool. The hours are 1:00-9:00 P.M. daily and 2:00-6:00 P.M. on Saturday and Sunday.

Golf and Tennis. Finley Golf Course is owned by the University and is available for play by students, faculty, alumni, and their guests. A greens fee is charged. Tennis courts on the campus are also available for use by students, faculty, and staff and may be reserved for 1 hour and 15 minutes by stopping by the Intramural Office no more than one day ahead of time. Many courts are also available on a first come-first serve basis whenever not in use by classes.



Summer Intramural Sports. The Carolina Intramural Sports office will offer activities for men and women students, and faculty and staff who have gymnasium privilege cards. For information call the Rec Check telephone 933-1153.

First Term	Entry Deadline
Badminton	Wed., May 21
Basketball	Wed., May 21
Racquetball	Wed., May 21
Softball	Wed., May 21
Tennis	Wed., May 21
Golf (Medal Tournament)	Wed., May 28

Second Term	Entry Deadline
Volleyball	Wed., July 2
Golf (Match Play Tournament)	Wed., July 2
Racquetbal	Wed., July 2
Softball	Wed., July 2
Tennis	Wed., July 2
Ultimate Frisbee Tournament	Wed., July 9

Other Recreation Opportunities: There will be a free play softball game each Saturday at 10 A.M. Come by Carmichael Fields—all are welcome. Numerous running routes are available in the IM Office.

International Center. Located in Bynum Hall, this office serves as the main administrative, programming, and counseling center for international students and faculty. In addition, the office maintains the only comprehensive resource library on campus for Americans interested in work, study, and travel abroad. Telephone (919) 933-5661.

Morehead Planetarium. Students in the Summer Session will have daily access to the Morehead facility, a gift of Class of 1891 alumnus John Motley Morehead, 1870-1965, to the University and the people of North Carolina.

The central portion of the building features the Planetarium chamber where daily programs ponder the beauty and mystery of the starry heavens. A realistic reproduction of the night sky as seen from any place on Earth and for any time of night or year can be achieved through the remarkable Zeiss Planetarium, Model VI instrument. Programs are changed periodically.

Associated with the Planetarium are numerous scientific exhibits; an orrery, or walk-in working model of the solar system; and art exhibits, including the valuable Morehead collection of masterworks displayed in a walnut paneled rotunda. The East Wing accommodates the Morehead Foundation Scholarship program, astronomy classes, and activities related to the 24-inch optical telescope observatory located on the roof.

Student Health Service. In order to provide proper medical care for the student, the University employs 12 full-time physicians, two psychiatrists, two half-time clinical psychologists, one full-time general counselor, two clinical social workers, and one full-time health educator to provide general medical care and psychiatric counseling. It maintains a well-appointed infirmary with 35 beds. Modern diagnostic facilities include a diagnostic X-ray unit, under the direction of a full-time technician, and a clinical laboratory under the direction of four full-time technicians. The Student Health Service is under the immediate supervision of a director and is provided with a nursing staff of twenty-four persons directed by a nursing supervisor. At the discretion of the attending physician, a student may be admitted to bed, and for such services as may be rendered by the staff, no charges are made. However, certain highly specialized services (major surgery, consultations, certain types of X-ray and laboratory procedures) not available at the Health Service, are rendered by the NC Memorial Hospital at standard charges. In addition a charge is made for inpatient meals and for other than routine drugs or dressings provided on either an inpatient or outpatient basis. Charges are also made for routine procedures not directly related to the health of a student—such as pre-employment physical examinations, and the like—and for services rendered at times when the student is not actually enrolled in the University.

The University Counseling Center. The Center, located in Nash Hall opposite the Carolina Inn parking lot, offers a variety of counseling, testing, developmental, and informational services to students at UNC-CH. Formerly the Guidance and Testing Center, the Center continues to provide individual counseling to students concerned with choice of academic major and career goal and with preparation for advanced academic or professional training. In addition, the Center offers individual counseling to students with personal-social concerns and problems. Professional counselors and graduate counseling interns are available by appointment to provide individual counseling; all information is treated as strictly confidential. The Center may offer certain group programs during the summer, such as assertion training and career exploration, which will be announced at the start of each term. An occupational-educational information library is maintained for student use, and includes a large number of books and other resource materials pertaining to careers, career-planning, and educational programs and institutions. Appointments may be made at the Reception Office, Room 101, Nash Hall 032A. Telephone (919) 933-2175.

The Veterans Advisor. Mr. Rex Warner, 101 Hanes Hall, provides enrollment certification to the Veterans Administration, counseling and assistance for all veterans enrolled in the University. He also provides advice and enrollment certification for students receiving benefits from the following sources: VA Dependents Educational Assistance Program, VA Pension Compensation, Social Security, Civil Service Employees Compensation, and Department of Labor.

REGULATIONS

Auditors. Auditing will be permitted in the Summer Session only by persons officially registered for other course work, thesis, dissertation, or research and paying regular Summer Session tuition and fees. *Registered students* must secure permission from the instructor and the director of the Summer Session to audit a course. No auditing fee will be changed nor is any record of audited courses kept.

Class Attendance. Regular class attendance is a student obligation, and a student is responsible for all the work, including tests and written work, of all class meetings. No right or privilege exists which permits a student to be absent from any given number of class meetings.

Instructors will keep attendance records in all classes. If a student misses three consecutive class meetings, or misses more classes than the instructor deems advisable, the instructor will report the facts to the student's academic dean for appropriate action.

Conduct and Student Government. Summer Session students, like fall and spring semester students, are part of a self-governing student community. The Board of Trustees delegates to the chancellor authority for the regulation of student conduct and discipline. In turn, the chancellor has delegated to Student Government the responsibility for self-discipline and government. High standards of morality under the Honor System and of exemplary conduct under the Campus Code constitute the core of student responsibility and policy. Additional information may be found in "The Instrument of Student Judicial Governance" available in the office of the Vice Chancellor of Student Affairs, 01 Steele Building. The executive and legislative functions of the Summer Session Student Government are carried on by officers and committees appointed by the president of the Student Body.

Course Load. Two courses of three semester hours each constitute a student's normal load in one Summer Session term of five and one-half weeks; however, a regular undergraduate student who has a quality-point average of 2.0 (a C average) may, with the approval of his dean, take a maximum load of 9 semester hours. Visiting undergraduate students from other colleges or universities may take three courses in a single term only on the written recommendation of their own deans; otherwise the director of the Summer Session will consider two courses a term to be a maximum limit on their registration.

Degrees Conferred in the Summer. Both undergraduate and graduate degrees are conferred at the close of the second term of the Summer Session without academic ceremony.

Final Examinations. Regular written examinations are required at the end of each term in all courses numbered below 200 except those in which the procedure makes written examinations unnecessary. Approval of such exceptions must be secured in advance from the provost of the University.

All examinations must be held in Chapel Hill.

Papers written in final examinations may not be taken from Chapel Hill to be graded.

The examination schedule at the end of each term having once been fixed cannot be changed, and the examination must be held at the time shown on the schedule. Students who have plans that would prevent them from being present for final examinations on June 23-24 or August 4-5 are not encouraged to register.

Within the last three days preceding the regular examination period, no instructor shall give a quiz or assign a paper that is not a part or the equivalent of a current daily recitation.

Any student absent from an examination without official excuse from the director of The Student Health Service or from his dean, or present and failing to submit examination papers is reported absent. This mark is equivalent in every respect to grade **F** or failure and is so recorded in the Office of Records and Registration. Authorized excuses from an examination are issued by the Office of Records and Registration.

Each student is required to subscribe his name to the following pledge or its equivalent on every paper: "I hereby certify that during this examination I have neither given nor received aid." The instructor will not report a grade for any student whose examination lacks this pledge.

Grade Reports. At the close of each term, a report of grades and quality points earned is sent to each student.

System of Marking Grades. Grades based upon the following system of marking are the *only authorized* grades to be used. *Plus* and *Minus signs:* A plus or minus may be assigned to letter grades B and C. The grade A may be assigned a minus, but not a plus. A plus sign may be assigned to the grade of *D*, but not a minus.

Undergraduate/Professional

A — Highest level of attainment
B — High level of attainment
C — Adequate level of attainment
D — Minimal passing level of attainment
F — Failed. Unacceptable performance
IN — Work Incomplete
AB — Absent from Final Examination (regardless of reason)
S — Satisfactory Progress (Authorized only for first portion of Honors Program)

Graduate

H — Clear Excellence
P — Entirely Satisfactory
L — Low passing
F — Failed
S — Satisfactory progress on research courses, thesis, dissertation, and courses taken to fulfill language requirement (including the computer science substitute)
IN — Work Incomplete
AB — Absent from Final Examination

(Note: Graduate students enrolled in courses below 100 will receive undergraduate grades.)

The grade of PASS/FAIL option is not authorized in Summer Session.

The grade of **H, P,** and **L** carry full graduate credit with the exception that the student who earns the grade of **L** on three courses or 12 semester hours of work, whichever is less, will become ineligible for continued study in the Graduate School as will the student who makes a single grade of **F**. Undergraduate grades assigned to graduate students are useful for certification only and carry no graduate credit.

The method of computing quality-point average is prescribed in The Undergraduate Bulletin.

Transcripts. Transcripts will be furnished upon payment of $1.00. Students may request the Office of Records and Registration, 105 Hanes Hall 019A, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514, to send copies of transcripts to their colleges or universities or other designated institutions.

Inter-Institutional Registration. A student regularly enrolled in a degree program at Duke University, North Carolina Central University, North Carolina State University, The University of North Carolina at Charlotte, or The University of North Carolina at Greensboro may enroll by inter-institutional registration *through his home institution for one course* at The University of North Carolina at Chapel Hill. This is restricted to students who were registered for full programs during at least one semester of the preceding academic year. By enrolling in the home summer session and paying its normal tuition and fees, such students may register for a maximum of 3 semester hours at the other institution. Credit so earned is not defined as transfer credit.

Students not registered for credit at the home institution will pay the appropriate tuition and fees at the institution in which they are enrolled.

SPECIAL FEATURES

In addition to the courses of instruction announced in this bulletin, the Summer Session of 1980 will offer a general program of social activities, entertainment, recreation, lectures, conferences, institutes, and workshops. More specific announcements concerning these special features will be made from week to week. Each will be operated under the direction of a University agency that functions during the fall and spring semesters.

FIRST SHORT TERMS

May 19-June 6

EDSP 209 ISSUES IN ORGANIZING GUIDANCE SERVICES (3). Prerequisite, 18 hours in Counselor Education. Issues in organizing guidance services will be discussed. Among these are the special needs of women, minority groups, and the drug problem. Emphasis will be placed on organizing guidance services to meet these problems. 1:00-4:00, Brown.

June 11-27

EDSP 200 INTRODUCTION TO PUPIL PERSONNEL SERVICES (3). Philosophical bases of pupil personnel services are discussed with emphasis upon elementary and secondary school guidance programs. 1:00-4:00, Brown.

RTVM 179 ADVANCED WRITING FOR BROADCASTING AND FILM (3). Offered as a three-week WRITERS WORKSHOP. Applicants must submit a script, story idea, or portion of a script by March 15 to the Department of Radio, Television & Motion Pictures, Attention: Writers Workshop, Swain Hall 044A, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514. Admissions will be determined by content and quality of scripts. Applicants will be notified April 5. Class to meet three weeks, beginning May 27, 1:00-3:00, with individual meetings at times in place of lecture sessions.

RECR 199 RECREATION PARKS AND PUBLIC POLICY (3). No prerequisite required. 8:00-11:00, Warder.

SECOND SHORT TERMS

June 30-July 17

EDCI 252 GROUP PROCESS AND BEHAVIORAL CHANGE (3). Examination of fundamental research orientations in the small group area and their application in the study of task and socio-emotional aspects of group functioning. Introduction to sensitivity training and laboratory methods in general. 9:40-12:50, Watson.

EDSP 345.2 MANAGEMENT OF EXCEPTIONAL CHILDREN'S PROGRAMS IN THE SCHOOL. (3) To be arranged, Pelosi, Wiegerink.

RECR 199 COMMUNITY PROGRAMMING FOR THE HANDICAPPED (3). No prerequisite required. 8:00-11:00, Vaughn.

July 28-August 15

SOWO 225 THEORETICAL BASES FOR SERVICE TO INDIVIDUALS, FAMILIES, AND GROUPS (3). (Restricted to students in the School of Social Work with advanced standing. No exceptions.) 9:30-12:00, Hollingsworth.

CLINICS, INSTITUTES, SEMINARS, AND WORKSHOPS

INSTITUTE OF MARINE SCIENCES SUMMER PROGRAM

FIRST TERM: May 19-June 20 **SECOND TERM: June 30-August 1**

Curriculum in Marine Sciences and the Departments of Botany, Environmental Sciences and Engineering, Geology, and Zoology will offer courses carrying one to six semester hours credit each at the Institute of Marine Sciences in Morehead City, North Carolina during the Summer Session of 1980. Enrollment in these courses will be limited to students having approval of the Institute of Marine Sciences. For a description of the courses to be offered, refer to the departmental listing on page ?

For further information, application forms, and a descriptive brochure write to: Chairman, Summer Session Program, Institute of Marine Sciences, Morehead City, NC 28557.

DIVISION OF EXTENSION AND CONTINUING EDUCATION

This is the administrative agency through which the University extends its services to the people of North Carolina. Further information about any of the services listed below is available through the Administrative Office of the Division of Extension and Continuing Education, 105 Abernethy Hall 002A, Chapel Hill, NC 27514. Telephone (919) 933-1106.

Credit and Certificate Programs include the following areas: **Off-Campus Credit Programs,** which offer extension courses, primarily graduate courses in professional education in centers off-campus; **The Evening College,** which offers opportunities for persons who cannot matriculate as full-time students to register for University courses as special or part-time students; and **Independent Study by Extension,** which offers degree credit University courses to persons who wish to study by correspondence or other independent methods.

Continuing Education offers assistance to faculty members in University schools and departments in planning and offering noncredit learning activities; provides consultative services and assistance in developing community leadership to organizations and institutions interested in community-based adult education; and conducts field research on adult education needs and on the application of adult education principles.

SUMMER FIELD COURSE IN GEOLOGY

May 23-June 29

Geology 128-129 (8). Courses conducted by Professor Paul G. Feiss at the Fort Burgwin Research Center, Rancho de Taos, New Mexico. Stratigraphy, structure, geomorphology and economic deposits of the Picuris Range will be emphasized through basic mapping on modern topographic and photo bases. The mapping exercises will involve a wide variety of geologic features in areas of excellent exposures, ranging from complexly faulted Mesozoic and Cenozoic to isoclinally folded Precambrian rocks. Field trips will be made to Sangre de Cristo and San Juan Mountains, Jemez and Capulin volcanic regions, Rio Grande trench, Arches National Monument, Mesa Verde National Park, Upheaval Dome, Canyonlands National Park, and Spanish Peaks dike swarm. For further information or to make application, write or call Professor P. G. Feiss, Department of Geology, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514, or telephone (919) 966-4516.

STUDIES AT THE HIGHLANDS BIOLOGICAL STATION

June 2-20

Botany 117, PTERIDOPHYTES (4). Prerequisite, Botany 51. A field and laboratory investigation of the morphology, systematics, and ecology of pteridophytes, namely club mosses, spike mosses, and ferns of the Southern Appalachians. Sixty contact hours. Gensel. For further information, contact Off-Campus Credit Programs, UNC-CH Division of Extension and Continuing Education, 218 Abernethy Hall 002A, Chapel Hill, NC 27514. Telephone (919) 966-1038.

June 23-July 11

Botany 134f, TAXONOMY OF FRESHWATER ALGAE of the SOUTHERN APPALACHIANS (4). Prerequisite, Botany 51 or permission of the instructor. Field studies and the identification and classification of the freshwater algae of the Southern Appalachians. Sixty contact hours. Hommersand. For further information, contact Off-Campus Credit Programs, UNC-CH Division of Extension and Continuing Education, 218 Abernethy Hall 002A, Chapel Hill, NC 27514. Telephone (919) 966-1038.

July 14-August 15

Zoology 112, VERTEBRATE FIELD ZOOLOGY (SALAMANDERS) (3). Corequisite: Zoology 175. Prerequisites, Zoology 11, 11L or equivalents. A study of the salamander fauna of the Southern Appalachians. Fifteen hours of class and field work per week. Hairston. For further information, contact Off-Campus Credit Programs, UNC-CH Division of Extension and Continuing Education, 218 Abernethy Hall 002A, Chapel Hill, NC 27514. Telephone (919) 966-1038.

Zoology 175, SPECIAL TOPICS (3). Corequisite: Zoology 112. Prerequisites, permission of the instructor. Taxonomy, ecology and zoogeography are covered through intensive field work, lecture, and laboratory sessions. Hairston. Fifteen hours of class and field work per week. For further information, contact Off-Campus Credit Programs, UNC-CH Division of Extension and Continuing Education, 218 Abernethy Hall 002A, Chapel Hill, NC 27514. Telephone (919) 966-1038.

CAROLINA'S STUDY-TRAVEL PROGRAMS ABROAD

For information and application for registration, contact Off-Campus Credit Programs, Division of Extension and Continuing Education, 218 Abernethy Hall 002A, Chapel Hill, NC 27514. Telephone (919) 966-1038. Registration during January, February, and March 1980.

GREAT BRITAIN: May 11-June 3. Classes conducted by University Professors Christopher Armitage, James Leutze, and Gerald Unks, using the resources of London, with excursions to Blenheim Palace, Coventry, Stratford-upon-Avon, and Warwick Castle. Participants may select two of the following three courses: ENGLISH 46—STUDIES IN DRAMA (3). Course will center on plays running in London at the time of the program. Professor Armitage, instructor. EDUCATION 41—THE SCHOOL IN SOCIETY (3). Examines current issues and trends in schooling in the United States and Great Britain, with visits to English schools. Professor Unks, instructor. HISTORY 90—THE WORLD AT WAR (3). Focuses on World War II and its effect on England and Europe, placing the war in historical perspective and tracing the Grand Strategy pursued between 1939 and 1945. Profesor Leutze, instructor.

FRANCE, WEST GERMANY, HOLLAND: June 4-23. Tours major World War I and World War II battlefields and historic sites, including Omaha Beach, Belleau Wood, Verdun, the Maginot Line, Bastogne, the Black Forest, Munich, Dresden, and Arnhem. The course is HISTORY 91H—MAIN BATTLEFIELDS IN WESTERN EUROPE (6). Professor Leutze, instructor.

ISRAEL: July 13-August 8. Archaeological fieldwork program at Aphek-Antipatris, Israel. Program cosponsored by the Department of Religion at the Tel Aviv University excavations of Tel Aphek-Antipatris. RELIGION 99H—TOPICS IN THE STUDY OF RELIGION (6). Introduction to the culture of the Old Testament world and to all aspects of field work, including materials from the Late Bronze Age, Philistine and Israelite periods, and the Roman city of Antipatris. Professor Jack Sasson, instructor.

CUMAE, ITALY: June 15-July 19. Program centering on a study-tour of the naples area: Pompeii, Herculaneum, Cumae, Paestum, and other sites. CLASSICAL ARCHAEOLOGY 140: PROBLEMS IN THE HISTORY OF CLASSICAL IDEAS. 3 semester hours credit. Professor Philip Stadter, instructor.

ROME, ITALY: July 1-August 2. A study-tour of Rome and Etruria: Monuments and museums in Rome, Tarquinia, Cerbeteri, and other sites. CLASSICAL ARCHAEOLOGY 141: PROBLEMS IN THE HISTORY OF CLASSICAL IDEAS. 3 semester hours credit. Professor Philip Stadter, instructor.

WORKSHOP ON GIFTED EDUCATION

First Course (Intermediate Level),
July 8-12

DESIGNING A PROGRAM FOR GIFTED EDUCATION

This session will be geared to the interests and needs of school administrators, teachers, and parents involved in teaching the gifted and talented. It will cover topics relevant to developing, implementing, or maintaining a gifted/talented program. Useful materials such as curriculum units, IEPs, inservice activities, and evaluation instruments will be developed as part of the course work. 9:00-5:00, James A. Curry, James J. Gallagher, Sandra N. Kaplan, Albert Oliver Joseph Renzulli, Irving Sato.

Second Course (Advanced Level)
July 14-18

EXAMINING SPECIAL ISSUES IN GIFTED EDUCATION

This session is designed for school administrators, teachers, consultants, university professors, and parents who have had some experience/background in gifted education. Concerns in such areas as curriculum, teacher training counseling/guidance, and culturally different gifted/talented will be covered. Participants will select an area for individual study and contract to attain a specific personal or institutional goal. 9:00-5:00, James A. Curry, James J. Gallagher, Sandra N. Kaplan, Albert Oliver, Joseph Renzulli, Irving Sato.

Three (3) Continuing Education Units will be offered for each course. Enrollment will be limited to 100 in each course with a fee of $250.00. For further information including an application form, write to Bobby Wagoner, Division of Extension and Continuing Education, Abernethy Hall, UNC-CH.

Twenty-Eighth Annual North Carolina Summer Choral Institutes
June 15-27

This activity, sponsored by the North Carolina Summer Institutes in Choral Art and the North Carolina Chapter of the American Choral Directors Association, in cooperation with the Department of Music, brings together two separate working groups, each consisting of approximately 350 selected students and their choral directors, for a week of intensive rehearsals. Both workshops are conducted by Lara Hoggard, William Rand Kenan, Jr., Professor of Music. Sessions are in the large air-conditioned rehearsal room of Hill Hall.

No academic credit is offered for the separate workshops, but 3.5 "Continuing Education Units" may be earned toward North Carolina certificate renewal by qualified teachers. For both student and adult application forms write to the registrar: Paul Fry, P.O. Box 746, Albemarle, NC 28001. For additional information write to Professor Lara Hoggard, Department of Music, Hill Hall, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514.

College and Senior High School Choral Institute
June 15-20

For recommended college choral-vocal music majors, directors of high school, college, church, and civic choral groups, for rising 11th grade students, and for both rising and graduating 12th grade students. All students must be recommended by their directors.

Junior High School Choral Institute
June 22-27

For selected rising 8th, 9th, and 10th grade students, junior high school vocal music education teachers, elementary school music teachers, and recommended college music education majors, and directors of church youth and children's choirs.

UNC HIGH SCHOOL PIANO CAMP
June 16-28

The Camp, under the direction of the piano faculty of the Department of Music, offers to high school piano students the opportunity for group and private instruction in piano, theory, history, and piano literature. In addition to classes, there will be recitals and master classes. Further information can be had from Professor Michael Zenge, Department of Music, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514.

UNC PIANO TEACHERS WORKSHOP
July 7-9

Lectures and master classes in piano teaching methods and literature for the student of public school age will be the main activities of the Workshop. A guest clinician, aided by the piano faculty of the Department of Music, will conduct the Workshop. For further information write to Professor Michael Zenge, Department of Music, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514.

MUSIC EDUCATION WORKSHOP
FOR INTERMEDIATE AND JUNIOR HIGH SCHOOL MUSIC TEACHERS
June 16-20

A five-day workshop designed to provide an opportunity for music teachers, grades 4-9, to work together in a laboratory setting which stresses developing music objectives and teaching/learning strategies for the general music classroom.

Michael Don Bennett, who has gained national recognition through his successful publication, *Surviving General Music,* will be the clinician. Three Continuing Education Unit credits may be earned toward renewal of teaching certificates. For further information, write to the Workshop director: Edward J. Bostley, Coordinator of Music Education, Department of Music, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514.

JAZZ WORKSHOP
July 13-18

The Jazz Workshop will concentrate on the performance of ensemble literature as well as on jazz improvisation. Participants will study with jazz specialists, perform in big bands, and study improvisation and jazz history. The Workshop will culminate with a public performance on Friday, July 18. For further information write to Professor James Ketch, Department of Music, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514.

NORTH CAROLINA HIGH SCHOOL RADIO-TV INSTITUTE
June 15-28

The thirtieth North Carolina High School Radio-TV Institute will offer to high school rising seniors, who are interested in radio and television broadcasting, the opportunity to attend an intense workshop covering the fundamentals of broadcast history, management, writing, production and speech. Classes start at 9:00 A.M. and run until 10:00 P.M., except for breaks for meals.

Sponsored by the Department of Radio, Television, and Motion Pictures at The University of North Carolina at Chapel Hill, the Institute is designed to provide rich experiences in the basics of broadcasting to enable high school students to make career decisions and to become informed media consumers. Also cooperating are the University Extension Division and the North Carolina Association of Broadcasters. Each day an outstanding North Carolina broadcaster provides a lecture and discussion session about his or her area of broadcast specialization.

Attendance is limited to 60 students who will complete their junior high school year the spring of 1980. Deadline for receiving applications is February 26 and applicants will be notified of acceptance status on or before March 15. Deadline for paying the total fee is April 1, 1980. Persons on the waiting list will be notified by phone April 16 should vacancies occur.

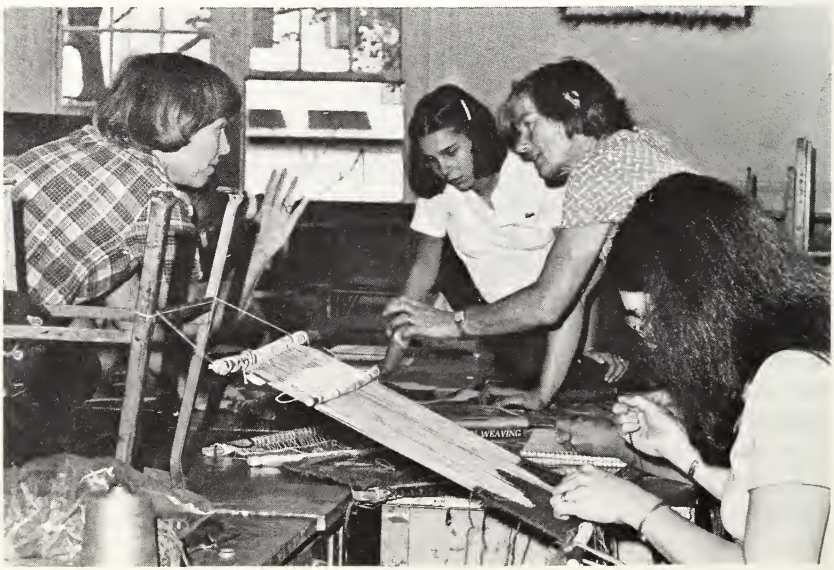
Applications may be obtained by writing to: Director of the North Carolina High School Radio-TV Institute, Swain Hall 044A, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514. Telephone (919) 933-2311.

SUMMER CONFERENCES FOR PERSONNEL IN CHILD CARE AGENCIES

The School of Social Work, through its Group Child Care Consultant Services will offer the thirty-fifth Annual Conferences for Personnel in Child Care Agencies July 6-10, July 13-17, and July 27-31. These conferences, nationally known as "The Chapel Hill Workshops," attract registrants each year from 30 or more states and several provinces of Canada. *The Chapel Hill Workshops Reports,* issued each year, are used nationally as training material in this field.

Group Child Care Consultant Services will also offer certificate training courses June 16-27 for child care workers, supervisors, and executives of child care agencies.

For further information, write Executive Director, Group Child Care Consultant Services, 300 Battle Hall 056A, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514.



SCHEDULE OF COURSES

This section contains a list of all courses offered in both terms of the Summer Session of 1980. Departments, colleges, and schools are arranged alphabetically.

Courses numbered from 1 through 99 are for undergraduate credit only. Those numbered from 100 through 199 are for advanced undergraduates and graduates. Those numbered from 200 through 399 are for graduates only.

The Summer Session daily schedule is divided into periods as follows beginning in the morning: first, 8:00-9:30; second, 9:40-11:10; third, 11:20-12:50; fourth, 1:00-2:30; fifth, 2:40-4:10; sixth, 4:20-5:50. The time of meeting for each class is listed in accordance with this schedule.

The listing of a course in this catalog does not obligate the University to give the course unless there is sufficient enrollment to warrant it.

AFRICAN AND AFRO-AMERICAN STUDIES

SECOND TERM

Course for Undergraduates

AFAM 65 TOPICS IN AFRO-AMERICAN STUDIES: THE CIVIL RIGHTS MOVEMENT 1960-1978 (3). Against the backdrop of the desegregation movements of the 1950s (the NAACP, Montgomery Bus Boycott) this course provides an intimate view of the theories and methods behind the demonstrations of the 1960s (marches, sit-ins, Freedom Rides) and the groups which lead them (SNCC, SCLC, CORE). Analysis of organizations ranging from the Mississippi Freedom Democratic Party to the Black Panthers and the New Republic of Africa. Comparison of Pan-Africanist nationalist and socialist perspectives. 11:20, Sellers.

ANTHROPOLOGY

FIRST TERM

Course for Undergraduates

ANTH 41 GENERAL ANTHROPOLOGY (3). An introduction to anthropology, the science of man the culture-bearing animal. Topics considered: physical evolution of mankind and biological variations within and between modern human populations, prehistoric and historic developments of culture, cultural dynamics viewed analytically and comparatively. 8:00, Brockington.

Courses for Graduates and Advanced Undergraduates

ANTH 122 CULTURAL ANTHROPOLOGY (3). Not recommended for students who have had ANTH 41. Recommended for advanced under-

graduates and graduate students who have little or no background in anthropology. A survey of anthropological approaches to the study of human cultural and social behavior, with some emphasis on the relation of anthropology to other sciences. 8:00, Myers.

ANTH 127 ABORIGINAL CULTURES OF MEXICO AND CENTRAL AMERICA (3). The development of Indian cultures of Middle America; culminating in such civilizations as the Aztec and Maya; archaeological and ethnohistorical data synthesized. 11:20, Brockington.

ANTH 133 THE PEOPLE OF THE CARIBBEAN (3). A survey of Caribbean cultural development. Particular attention will be given to human ecology, population segments, metropolitan influences, and cultural change. 11:20, Myers.

ANTH 135 CONSCIOUSNESS & SYMBOLS (3). Symbolizing as exemplified in the arts, religions, languages, and world views of various cultures. Emphasis is on the relation of symbolizing to social process, as analyzed by theorists such as Durkheim, Weber, and Levi-Strauss. 9:40, Peacock.

ANTH 170 MEDICINE AND ANTHROPOLOGY (3). Especially relevant for premedical students. Disease in various exotic and western cultures as well as problems related to innovation. Surveys of mental health point up relations between culture and health. 9:40, Pfifferling.

Courses for Graduates

ANTH 301 READING AND RESEARCH (1 to 4). Registration with permission of professor. To be arranged. Staff.

ANTH 315 READING AND RESEARCH IN METHODOLOGY (1 -4). Registration with permission of professor. To be arranged. Staff.

ANTH 321 FIELD RESEARCH (3). Registration with permission of professor. To be arranged. Staff.

ANTH 393 MASTER'S THESIS (Var.).

ANTH 394 DOCTORAL DISSERTATION (Var.).

ANTH 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

ANTH 41 GENERAL ANTHROPOLOGY (3). An introduction to anthropology, the science of man the culture-bearing animal. Topics considered: physical evolution of mankind and biological variations within and between modern human populations, prehistoric and historic developments of culture, cultural dynamics viewed analytically and comparatively. 11:20, Staff.

ANTH 42 FOLK CULTURES IN THE MODERN WORLD (3). The customs and institutions of peoples in the Mediterranean area, Asia, Africa, and Latin America as they encounter technological and social development in the modern world. 11:20, Staff.

ANTH 43 THE EVOLUTION OF HUMAN NATURE: A BIOCULTURAL VIEW (3). Overview of human evolution. Biological and cultural evolutionary theory are presented, along with data from nonhuman primates, archaeological sites, and contemporary band societies, for understanding Homo sapiens as the social, culture-bearing primate. 9:40, Staff.

ANTH 44 HUMAN DILEMMAS (3). Contemporary dilemmas examined from a cross-cultural view; including racism, environment, population, war, gender role liberation, and personal freedom in technological societies. 8:00, Staff.

Courses for Graduates and Advanced Undergraduates

ANTH 105 ANTHROPOLOGY OF THE SOUTH (3). Anthropological materials and insights bearing on modernization and other current trends in southern culture; research problems in the South. 11:20, Staff.

ANTH 121 CULTURE AND PERSONALITY (3). Broad survey of methods and problems connected with studying personality features characteristic of tribes and modern nations, child training and personality, and the relationship of culture to mental illness. 9:40, Scheper-Hughes.

Courses for Graduates

ANTH 301 READING AND RESEARCH (1 to 4). Registration with permission of professor. To be arranged. Staff.

ANTH 315 READING AND RESEARCH IN METHODOLOGY (1 to 4). Registration with permission of professor. To be arranged. Staff.

ANTH 321 FIELD RESEARCH (3). Registration with permission of professor. To be arranged. Staff.

ANTH 393 MASTER'S THESIS (Var.).

ANTH 394 DOCTORAL DISSERTATION (Var.).

ANTH 400 GENERAL REGISTRATION (0).

ART

FIRST TERM

ART HISTORY

Courses for Undergraduates

ART 31A HISTORY OF WESTERN ART (3). A survey of Western art from antiquity through the early Renaissance. 11:20, Staff.

ART 70 MODERN ARCHITECTURE (3). A survey of 19th- and 20th-century architecture, stressing the rise of new architectural needs and the use of new materials. 9:40, Marks.

Courses for Graduates

ART 301 DIRECTED READINGS IN ART HISTORY (3). Means by which graduate students can take under 100-level courses for graduate credit. Students wishing to take ART 70 must have permission of department, and register for ART 301, Section 21, Marks. To be arranged.

ART 303 MASTER'S THESIS (Var.).

ART 394 DOCTORAL DISSERTATION (Var.).

ART 400 GENERAL REGISTRATION (0).

STUDIO ART

Courses for Undergraduates

INTRODUCTORY COURSES

For introductory courses no previous experience or training is required, no permission is required, and there are no prerequisites.

ART 44 BASIC DRAWING AND COMPOSITION (3). Designed to develop comprehension and manual dexterity in two-dimensional media. Section 1, 8:00-11:10, Ethier; Section 2, 11:20-2:30, Kinnaird.

ART 45 ARTS & CRAFTS (3). Introductory experiences in drawing, painting, design, small scale sculpture, and printmaking. Elementary crafts work also may be undertaken. Section 1, 8:00-11:10, Barnard; Section 2, 11:20-2:30, Barnard.

ART 46 THREE-DIMENSIONAL DESIGN (3). Designed to develop comprehensive and manual dexterity in three-dimensional media. 11:20-2:30, Cindric.

COURSES LISTED "VARIABLE CREDIT" NORMALLY CARRY 3.0 HOURS. ADDITIONAL CREDIT HOURS CAN BE ARRANGED WITH PERMISSION OF THE INSTRUCTOR ONLY.

PAINTING

ART 63A BEGINNING PAINTING (3). Prerequisite, Art 44. Introduction to the techniques of two-dimensional thought and process through the application of various painting media. 11:20-2:30, Ethier.

ART 63B BEGINNING PAINTING (3). Prerequisite, Art 63A or the equivalent. Continuation of 63A. 11:20-2:30, Ethier.

ART 82A INTERMEDIATE PAINTING (Var.). Prerequisite, Art 63B or the equivalent and the permission of the instructor. 11:20-2:30, Ethier.

ART 82B INTERMEDIATE PAINTING (Var.). Prerequisite, Art 82A, or the equivalent and the permission of the instructor. 11:20-2:30, Ethier.

ART 105A ADVANCED PAINTING (Var.). Prerequisite, Art 82B, or the equivalent and the permission of the instructor. 11:20-2:30, Ethier.

ART 105B ADVANCED PAINTING (Var.). Prerequisite, Art 105A or the equivalent and the permission of the instructor. 11:20-2:30, Ethier.

PRINTMAKING

ART 65A BEGINNING PRINTMAKING (3). Introduction to printmaking approaches; no prior experience in printing required. The student may choose to work in any of the following areas: a) etching, engraving and printing on metal plates; b) block cutting and engraving on wood and linoleum; c) silkscreening; d) collography, the construction of printing plates. Tools and most materials will be furnished. Prerequisites, Art 44 or 49 or the equivalent, or drawing experience and permission of instructor. 8:00-11:10, Kinnaird.

ART 65B BEGINNING PRINTMAKING (3). Prerequisite, 65A or the equivalent, and permission of the instructor. 8:00-11:10, Kinnaird.

ART 88A INTERMEDIATE PRINTMAKING (3). Prerequisite, 65B or the equivalent, and permission of the instructor. 8:00-11:10, Kinnaird.

ART 88B INTERMEDIATE PRINTMAKING (3). Prerequisite, 88A or the equivalent, and permission of the instructor. 8:00-11:10, Kinnaird.

With the permission of the instructor Art 65 or 88 may be taken for graduate credit by registering for Art 108, Section 11.

ART 120A ADVANCED PRINTMAKING (3). Prerequisite, 88B or the equivalent, and permission of the instructor. 8:00-11:10, Kinnaird.

ART 120B ADVANCED PRINTMAKING (3). Prerequisite, 112A or the equivalent, and permission of the instructor. 8:00-11:10, Kinnaird.

CERAMIC SCULPTURE

ART 67A CERAMIC SCULPTURE (3). An investigation of clay as a sculptural medium. Techniques stressed include hand building, press and pour molds, and the potter's wheel to realize sculptural concepts. Oxidation, reduction, and raku firing processes. Prerequisites, Art 46 or the equivalent and permission of the instructor. 8:00-11:10, Cindric.

ART 67B CERAMIC SCULPTURE (3). Prerequisite, Art 67A or the equivalent and permission of the instructor. Continuation of 67A. 8:00-11:10, Cindric.

ART 87A INTERMEDIATE CERAMIC SCULPTURE (Var.). Prerequisite, 67B or its equivalent and permission of the instructor. 8:00-11:10, Cindric.

ART 87B INTERMEDIATE CERAMIC SCULPTURE (Var.). Prerequisite, 87A or its equivalent and permission of the instructor. 8:00-11:10, Cindric.

INDEPENDENT STUDY

ART 108 INDEPENDENT STUDY: STUDIO (Var.). Permission and section number of instructor required. Special projects based on student's performance and capacity in other advanced courses. Barnard, Section 9, Kinnaird, Section 11; Ethier, Section 22; Cindric Section 27.

ART 109 INDEPENDENT STUDY: ART EDUCATION (Var.). Open to Art Education majors only. Special projects in art education based on student's performance and capacity in other advanced courses. To be arranged. Permission of Professor Barnard.

COURSES FOR GRADUATES

ART 240 GRADUATE PAINTING (Var.). Permission of department. To be arranged.

ART 241 GRADUATE SCULPTURE (Var.). Permission of department. To be arranged.

ART 242 GRADUATE PRINTMAKING (Var.). Permission of department. To be arranged.

ART 393 MASTER'S THESIS (Var.).

ART 400 GENERAL REGISTRATION (0).

SECOND TERM

ART HISTORY

Courses for Undergraduates

Graduate credit can be arranged for courses numbered 50-99. Inquiry should be directed to Art Department, 104 Ackland Art Center.

ART 32A HISTORY OF WESTERN ART (3). No prerequisites. A survey of Western art from the late Renaissance to the present. 9:40, Staff.

ART 39 INTRODUCTION TO RELIGION AND ART (RELI 39) (3). 8:00, Dixon.

ART 54 TWENTIETH-CENTURY ART (3). Development in modern art. The course will define "modern" by seeking its roots in the 19th century, then tracing its development through the formative years of the first half of the 20th century and concluding with postwar American art. 11:20, Dixon.

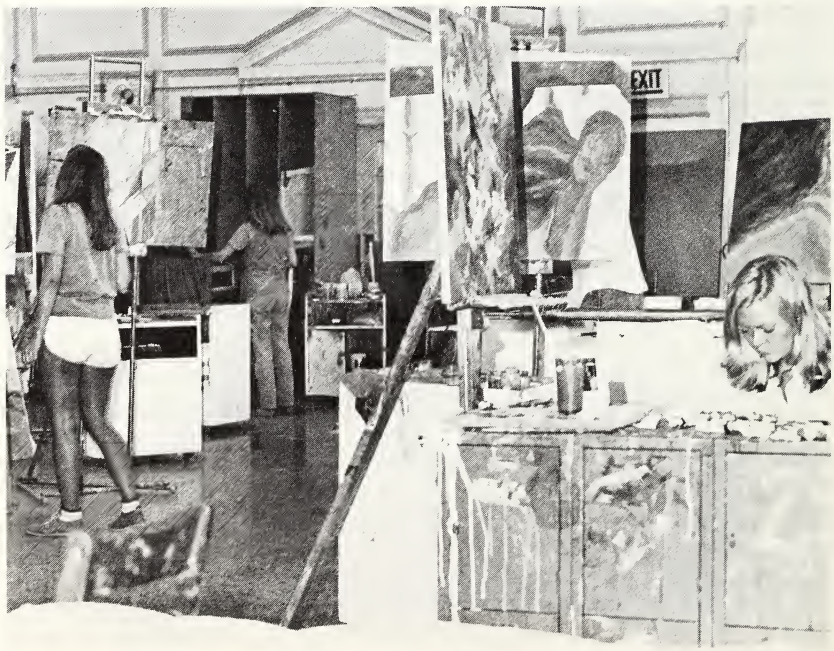
Courses for Graduates

ART 301 DIRECTED READINGS IN ART HISTORY (3). Permission of instructor. Means by which graduate students can take any of the above undergraduate courses for graduate credit. Dixon, Section 4.

ART 393 MASTER'S THESIS (Var.).

ART 394 DOCTORAL DISSERTATION (Var.).

ART 400 GENERAL REGISTRATION (0).



STUDIO ART

Courses for Undergraduates

INTRODUCTORY COURSES

For introductory courses no previous experience or training is required, no permission is required, and there are no prerequisites. All descriptions for courses listed below are same as first term with a few changes as noted. Courses listed as "Var." (variable credit) normally carry 3.0 hours. Additional credit hours can be arranged with permision of the instructor only.

ART 44 BASIC DRAWING AND COMPOSITION (3). 8:00-11:10, Gadson.
ART 45 ARTS & CRAFTS (3). Section 1, 8:00-11:10, Smith; Section 2, 11:20-2:30, Smith.
ART 46 3-DIMENSIONAL DESIGN (3). 11:20-2:30, Noe.

SPECIAL TOPICS IN STUDIO ART

ART 60A PHOTOGRAPHY (3). Prerequisite, Physics 45 or the equivalent. Emphasis on the interaction of technique, perception, and communication in making and responding to photographic images. Laboratory sessions will be scheduled. Students MUST own their own cameras. This will be a production course. 2:40, Menapace.

PAINTING

ART 63A BEGINNING PAINTING (3). 8:00-11:10, Saltzman.
ART 63B BEGINNING PAINTING (3). 8:00-11:10, Saltzman.
ART 82A INTERMEDIATE PAINTING (Var.). 8:00-11:10, Saltzman.
ART 82B INTERMEDIATE PAINTING (Var.). 8:00-11:10, Saltzman.
ART 105A ADVANCED PAINTING (Var.). 8:00-11:10, Saltzman.
ART 105B ADVANCED PAINTING (Var.). 8:00-11:10, Saltzman.

PRINTMAKING

ART 65A BEGINNING PRINTMAKING: SCREEN PRINTING (3). Prerequisite, Art 44, the equivalent, or drawing experience and permission of the instructor. An introduction and investigation into the basic stencil making techniques, with a special emphasis on photo and hand drawn position stencil making processes. Most materials will be supplied. No experience in printmaking necessary. 11:20-2:30, Gadson.
ART 65B BEGINNING PRINTMAKING (3). Prerequisite, 65A or the equivalent and permission of the instructor. 11:20-2:30, Gadson.
ART 88A INTERMEDIATE PRINTMAKING (Var.). Prerequisite, 65B or the equivalent and permission of the instructor. 11:20-2:30, Gadson.
ART 88B INTERMEDIATE PRINTMAKING (Var.). Prerequisite, 88A or the equivalent and permission of the instructor. 11:20-2:30, Gadson.
ART 120A ADVANCED PRINTMAKING (Var.). Prerequisite, Art 88B or the equivalent and permission of the instructor. 11:20-2:30, Gadson.
ART 120B ADVANCED PRINTMAKING (Var.). Prerequisite, Art 120A or the equivalent and permission of the instructor. 11:20-2:30, Gadson.

SCULPTURE

ART 64A BEGINNING SCULPTURE (3). Prerequisite, Art 46 or the equivalent and permission of the instructor. An introduction to the various media, such as clay, plastics, welding, and the carving of wood and stone, and the diverse directions—realistic, abstract, and conceptual, for example—to which sculpture can be taken. 11:20-2:30, Noe.

ART 64B BEGINNING SCULPTURE (3). Prerequisite, Art 64A or the equivalent and permission of the instructor. 11:20-2:30, Noe.

ART 86A INTERMEDIATE SCULPTURE (Var.). Prerequisite, Art 64B or the equivalent and permission of the instructor. 11:20-2:30, Noe.

ART 86B INTERMEDIATE SCULPTURE (Var.). Prerequisite, Art 86A or the equivalent and permission of the instructor. 11:20-2:30, Noe.

ART 112A ADVANCED SCULPTURE (Var.). Prerequisite, Art 86B or the equivalent and permission of the instructor. 11:20-2:30, Noe.

ART 112B ADVANCED SCULPTURE (Var.). Prerequisite, Art 112A or the equivalent and permission of the instructor. 11:20-2:30, Noe.

INDEPENDENT STUDY

ART 108 INDEPENDENT STUDY: STUDIO (Var.). Permission and section number of instructor required. Special projects based on student's performance and capacity in other advanced courses. To be arranged. Saltzman, Section 6; Noe, Section 13; Gadson, Section 19.

ART 109 INDEPENDENT STUDIES IN ART EDUCATION (Var.). Open to Art Education majors only. Special projects in art education based on student's performance and capacity in other advanced courses. Smith, Section 23.

Courses for Graduates

ART 240 GRADUATE PAINTING (Var.). To be arranged.
ART 241 GRADUATE SCULPTURE (Var.). To be arranged.
ART 242 GRADUATE PRINTMAKING (Var.). To be arranged.
ART 393 MASTER'S THESIS (Var.).
ART 400 GENERAL REGISTRATION (0).

BIOLOGY

FIRST TERM

Courses for Undergraduates

BIOL 21 GENERAL BIOLOGY LECTURES (3). Especially for freshmen and sophomores. Serves as a prerequisite to higher numbered Biology, Botany, and Zoology courses when taken together with Biology 21L (laboratory). Also serves as a General College science elective. An introduction to general principles and concepts of biology; cell structure, chemistry, and function; differentiation; inheritance and genetics; evolution and adaptation; ecology. Five lecture periods. 9:40, Lord.

BIOL 21L GENERAL BIOLOGY LABORATORY (1). Corequisite, Biology 21. The topics covered in General Biology lectures are illustrated by observations and experiments utilizing various techniques for the study of animals and plants. Biology Laboratory is required for students planning to take other Biology, Botany, or Zoology courses. 2:00-5:00, MWF, Lord.

BIOL 99 RESEARCH IN BIOLOGY FOR UNDERGRADUATES (3). Prerequisites, 3.0 grade point average, permission of instructor, and curriculum chairman. May be accepted for Honors by petition to Honors Program Committee. May be repeated for credit; two or more semesters may count as no more than one laboratory course in the major. Nine hours per week. Staff.

Courses for Graduates and Advanced Undergraduates

BIOL 102 ECOLOGY (Botany 102) (Zoology 102) (3). Prerequisite, Biology 21, 21L, or Botany 11, or Zoology 11. A study of the principles governing the environmental interrelationships of organisms, populations, communities, and ecosystems. Five lecture periods. 9:40, Stiven.

BIOL 102L ECOLOGY LABORATORY (Botany 102L) (Zoology 102L) (1). Corequisite or prerequisite, Biology 102. Laboratory and field studies of ecology. 1:00-3:50, MWF, Stiven.

SECOND TERM

Course for Undergraduates

BIOL 99 RESEARCH IN BIOLOGY FOR UNDERGRADUATES (3). Prerequisites, 3.0 grade point average, permission of instructor, and curriculum chairman. May be accepted for Honors by petition to Honors Program Committee. May be repeated for credit; two or more semesters may count as no more than one laboratory course in the major. Nine hours per week. Staff.

Courses for Graduates and Advanced Undergraduates

BIOL 100 CELL BIOLOGY (Botany 100) (Zoology 100) (3). Prerequisites, Biology 21, 21L, or Bacteriology 100, or Botany 11, or Zoology 11, and Chemistry 11, 21, or permission of instructor. Cell structure in relation to function cytology, biochemistry, and physiology of animal, plant and bacterial cells and their viruses. The cell in division and development. Five lecture periods. 8:00, Amman.

BIOL 100L CELL BIOLOGY LABORATORY (Botany 100L) (Zoology 100L) (1). Corequisite, Biology 100. Contemporary methods for the analysis of cell structure, function, and contents are illustrated by laboratory exercises and demonstrations. 2:00-5:00 MWF, Amman.

BIOL 101 GENETICS (Botany 101) (Zoology 101) (3). Prerequisite, Biology 21, 21L, or Bacteriology 100, or Botany 11, or Zoology 11, or permission of the instructor. An introduction to the principles of inheritance. Molecular aspects of gene action, Mendelian law of transmission, the role of genes in development, the genetics of populations. Five lecture periods. 9:40, Roehrdanz.

BIOL 101L GENETICS LABORATORY (Botany 101L) (Zoology 101L) (1). Corequisite, Biology 101, or permission of instructor. The principles of inheritance are illustrated by experiments with viruses, bacteria, fungi, and higher plants and animals. Nine laboratory hours. 2:00-5:00 MWF, Roehrdanz.

BIOL 102 ECOLOGY (Botany 102) (Zoology 102) (3). Prerequisite, Biology 21, 21L, or Botany 11, or Zoology 11. A study of the principles governing the environmental interrelationships of organisms, populations, communities, and ecosystems. Five lecture periods. 11:20, Reice.

BIOL 102L ECOLOGY LABORATORY (Botany 102L) (Zoology 102L) (1). Corequisite or prerequisite, Biology 102. Laboratory and field studies of ecology. 1:00-3:50 MWF, Reice.

BOTANY

FIRST TERM

Courses for Undergraduates

BOTN 10 PLANTS AND LIFE (3). An introduction to interesting and significant aspects of plant life, with emphasis on the roles of plants in the environment and their relevance to man. Five lecture periods. 8:00, Koch.

BOTN 10-2X* PLANTS AND LIFE (3). Experimental Section. An introduction to interesting and significant aspects of plant life, with emphasis on the roles of plants in the environment and their relevance to man. Three lecture periods. 2:00-5:00 MWF, Koch.

BOTN 11 GENERAL BOTANY (4). Open to all undergraduates regardless of their field of interest. Prerequisite to all other courses in botany. Scientific study of the structure, classification, life processes, reproduction and heredity of plants. Also the environmental relationships and economic significance of plants are described. Five lecture periods and nine laboratory hours. 9:40 with laboratory 2:00-5:00 MWF, Parks.

BOTN 96 SPECIAL TOPICS (2 or 3). Prerequisite, permission of the staff. An undergraduate seminar course devoted to consideration of pertinent aspects of a selected botanical discipline such as physiology, cytology, morphogenesis, systematics, ecology, genetics, evolution, algology, mycology, or bryology. To be arranged. Staff.

Courses for Graduates and Advanced Undergraduates

BOTN 102 ECOLOGY (3). See Biology 102.

BOTN 102L ECOLOGY LABORATORY (1). See Biology 102L.

BOTN 117 PTERIDOPHYTES (4). For description of course see SPECIAL FEATURES page 42.

BOTN 134f TAXONOMY OF FRESHWATER ALGAE OF THE SOUTHERN APPALACHIANS (4). For description of course see SPECIAL FEATURES page 42.

*Description of course available in the department office.

Courses for Graduates

BOTN 311-381 SPECIAL TOPICS IN BOTANY (Var.). Prerequisite, permission of the instructor. Directed individual study. To be arranged. Staff.
BOTN 393 MASTER'S THESIS (Var.).
BOTN 394 DOCTORAL DISSERTATION (Var.).
BOTN 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

BOTN 11 GENERAL BOTANY (4). Open to all undergraduates regardless of their field of interest. Prerequisite to all other courses in botany. Scientific study of the structure, classification, life processes, reproduction, and heredity of plants. Also the environmental relationships and economic significance of plants are described. Five lecture periods and nine laboratory hours. 9:40 with laboratory 2:00-5:00 MWF, Dickison.
BOTN 96 SPECIAL TOPICS (2 or 3). (See First Term for description.)

Courses for Graduates and Advanced Undergraduates

BOTN 100 CELL BIOLOGY (3). (See Biology 100.)
BOTN 100L CELL BIOLOGY LABORATORY (1). (See Biology 100L.)
BOTN 101 GENETICS (3). (See Biology 101.)
BOTN 101L GENETICS LABORATORY (1). (See Biology 101L.)
BOTN 102 ECOLOGY (3). (See Biology 102.)
BOTN 102L ECOLOGY LABORATORY (1). (See Biology 102L.)

Courses for Graduates

BOTN 311-381 SPECIAL TOPICS IN BOTANY (2-6). Prerequisite, permission of the instructor. Directed individual study. To be arranged. Staff.
BOTN 393 MASTER'S THESIS (Var.).
BOTN 394 DOCTORAL DISSERTATION (Var.).
BOTN 400 GENERAL REGISTRATION (0).

BUSINESS ADMINISTRATION

FIRST TERM

Courses for Undergraduates

BUSI 24 APPLIED BUSINESS STATISTICS WITH COMPUTER APPLICATIONS (3). Prerequisite, Mathematics 22 or 31 and Statistics 23. 8:00, 9:40, 11:20, Staff.
BUSI 71 BASIC ACCOUNTING PRINCIPLES (3). Corequisite (or prerequisite), Economics 31 and 32 or equivalents. 9:40, Bowen; 11:20, Davidson.
BUSI 72 FINANCIAL ACCOUNTING PRINCIPLES (3). Prerequisite, Business Administration 71 or equivalent. 11:20, Bowen.
BUSI 73 ELEMENTARY MANAGERIAL ACCOUNTING (3). Prerequisite, Business Administration 71 or equivalent. 9:40, Terrell.
BUSI 91 BUSINESS LAW (3). 8:00, 11:20, Stewart.

Courses for Graduates and Advanced Undergraduates

BUSI	111	PROBABILISTIC MODELS FOR DECISION PROBLEMS (3). Prerequisite, Business Administration 24 or equivalent. 11:20, Staff.
BUSI	126*	INTRODUCTION TO REAL PROPERTY (3). 9:40, Staff.
BUSI	130	PRODUCTION MANAGEMENT (3). 11:20, Goodwin.
BUSI	131	PRODUCTION MANAGEMENT ANALYSIS (3). Prerequisite, Business Administration 130 or equivalent. 9:40, Goodwin.
BUSI	150	ORGANIZATIONAL BEHAVIOR (3). 9:40, Staff.
BUSI	154	PERSONNEL DEVELOPMENT (3). Prerequisite, Business Administration 150 or equivalent. 8:00, Calhoon.
BUSI	160	PRINCIPLES OF MARKETING (3). 8:00, Littlefield.
BUSI	161	ADVERTISING (3). Prerequisite, Business Administration 160 or equivalent. 9:40, Littlefield.
BUSI	163	SALES MANAGEMENT (3). Prerequisite, Business Administration 160 or equivalent. 8:00, Hughes.
BUSI	170	ADVANCED FINANCIAL ACCOUNTING I (3). Prerequisite, Business Administration 72 or equivalent. 11:20, Terrell.
BUSI	172	ACCOUNTING THEORY (3). Prerequisite, senior standing. 9:40, Davidson.
BUSI	177	FEDERAL AND STATE TAXATION (3). Prerequisite, Business Administration 72 or 73. 11:20, Hoffman.
BUSI	178	SPECIALIZED ACCOUNTING PROBLEMS (3). Prerequisite, Business Administration 171 or equivalent. 8:00, Reynolds.
BUSI	186*	INVESTMENTS (3). Prerequisite, junior or senior standing in Business Administration or Economics. 8:00, Staff.
BUSI	190	ADMINISTRATIVE POLICY (3). Open only to seniors majoring in Business Administration. 11:20, Staff.

Courses for Graduates

BUSI	272M	FINANCIAL ACCOUNTING (3). Prerequisite, Business Administration 270 or equivalent. 11:20, Reynolds.
BUSI	277M	FEDREAL INCOME TAXATION AND PARTNERSHIP ACCOUNTING (3). Prerequisite, Business Administration 270 or equivalent. 9:40, Hoffman.
BUSI	394	DOCTORAL DISSERTATION (Var.).
BUSI	399	SEMINAR. To be arranged. Staff.
BUSI	400	GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

BUSI	24	APPLIED BUSINESS STATISTICS WITH COMPUTER APPLICATIONS (3). Prerequisite, Mathematics 22 or 31 and Statistics 23. 8:00, 9:40, 11:20, Staff.
BUSI	71	BASIC ACCOUNTING PRINCIPLES (3). Corequisite (or prerequisite), Economics 31 and 32 or equivalents. 9:40, Staff.
BUSI	72	FINANCIAL ACCOUNTING PRINCIPLES (3). Prerequisite, Business Administration 71 or equivalent. 8:00, Staff.

*Undergraduate credit only.

BUSI 73 ELEMENTARY MANAGERIAL ACCOUNTING (3). Prerequisite, Business Administration 71 or equivalent. 9:40, Staff.

BUSI 91 BUSINESS LAW (3). 11:20, Mann.

Courses for Graduates and Advanced Undergraduates

BUSI 110 DETERMINISTIC MODELS FOR DECISION PROBLEMS (3). Prerequisite, Business Administration 24 or equivalent. 9:40, Staff.

BUSI 150* ORGANIZATIONAL BEHAVIOR (3). 8:00, Calhoon.

BUSI 154 PERSONNEL DEVELOPMENT (3). Prerequisite, Business Administration 150 or equivalent. 11:20, Calhoon.

BUSI 160 PRINCIPLES OF MARKETING (3). 9:40, Perreault.

BUSI 163 SALES MANAGEMENT (3). Prerequisite, Business Administration 160 or equivalent. 8:00, Perreault.

BUSI 171 ADVANCED FINANCIAL ACCOUNTING II (3). Prerequisite, Business Administration 170 or equivalent. 8:00, Staff.

BUSI 173 COST ACCOUNTING (3). Prerequisite, Business Administration 72 or equivalent. 11:20, Brummet.

BUSI 175 AUDITING (3). Prerequisite, Business Administration 72 or equivalent. 9:40, Staff.

BUSI 177 FEDERAL AND STATE TAXATION (3). Prerequisite, Business Administration 72 or 73. 9:40, Langenderfer.

BUSI 179 CERTIFIED PUBLIC ACCOUNTING PROBLEMS (3). 8:00, Langenderfer.

BUSI 180* BUSINESS FINANCE (3). Prerequisite, Business Administration 71 or equivalent. 11:20, Staff.

BUSI 185* FINANCIAL INSTITUTIONS AND MARKETS (3). Prerequisite, junior or senior standing in Business Administration or Economics. 8:00, Staff.

BUSI 194 CREDIT TRANSACTIONS AND SALES (3). Prerequisite, Business Administration 91 or equivalent. 1:00, Mann.

BUSI 199* MANAGEMENT SIMULATION (3). Open only to seniors majoring in Business Administration. 9:40, Staff.

Courses for Graduates

BUSI 273M COST AND FINANCIAL ACCOUNTING TOPICS (3). Prerequisite, Business Administration 272M. 8:00, Brummet.

BUSI 275M AUDITING AND CONSOLIDATED STATEMENTS (3). Prerequisite, Business Administration 272M. 9:40, Staff.

BUSI 394 DOCTORAL DISSERTATION (Var.). Staff.

BUSI 399 SEMINAR. To be arranged. Staff.

BUSI 400 GENERAL REGISTRATION (0).

*Undergraduate credit only.

CHEMISTRY

FIRST TERM

Courses for Undergraduates

CHEM 11 GENERAL DESCRIPTIVE CHEMISTRY (3). Corequisite, Chemistry 11L. 9:40 M-F, Hodgson.

CHEM 11L QUANTITATIVE CHEMISTRY LABORATORY (1). Corequisite, Chemistry 11. 11:15-2:15 M-Th, or 11:15-3:15 M-W, Collier, Hodgson.

CHEM 41 MODERN ANALYTICAL METHODS FOR SEPARATION AND CHARACTERIZATION (2). Prerequisite, Chemistry 21; corequisite, Chemistry 41L; prerequisite or corequisite, Chemistry 61.

The basic principles of chemical separations, including chromatography and electrophoresis, and an introduction to analytical spectroscopy (visible, ultraviolet, and infrared) from a quantitative and structural viewpoint. 8:00 M-F, Jorgenson.

CHEM 41L LABORATORY IN SEPARATIONS AND ANALYTICAL CHARACTERIZATION OF ORGANIC AND BIOLOGICAL COMPOUNDS (2). Corequisite, Chemistry 41; prerequisite or corequisite, Chemistry 61. Applications of separation and spectroscopic techniques to organic compounds, including some of biological interest. Principles of chromatography and absorption spectroscopy; correlation of spectra with structure. (This laboratory serves as an organic chemistry laboratory for premedical and predental students.) 1:00-5:00 MTW, Evans, Jorgenson.

CHEM 42 MODERN ANALYTICAL METHODS FOR SEPARATION AND CHARACTERIZATION: SECOND COURSE (2). Prerequisite, Chemistry 41; corequisite, Chemistry 42L; prerequisite or corequisite, Chemistry 62. Intermediate analytical spectroscopy (magnetic resonance and mass spectroscopy); principles of Nernstian electrochemistry; acid-base-solvent concepts; analysis of kinetics and equilibria; radiochemical techniques. Five lecture periods. 9:40 M-F, Knight.

CHEM 42L LABORATORY IN SEPARATIONS AND ANALYTICAL CHARACTERIZATION OF ORGANIC AND BIOLOGICAL COMPOUNDS: SECOND COURSE (2). Prerequisite or corequisite, Chemistry 62; corequisite, Chemistry 42. Applications and illustrations of modern analytical spectroscopic techniques; quantitative investigation of chemical properties through electrochemical, radiochemical, and newer titrimetric techniques (some preparative experience included with these studies). (This course serves as an organic chemistry laboratory for premedical and predental students.) 1:00-5:00 MTW, Squibb.

CHEM 51 INORGANIC CHEMISTRY (3). Prerequisite, Chemistry 21 or equivalent. Bonding in inorganic compounds; molecular orbital and crystal field theories; reactions of transition metal complexes, chemistry of nonmetals. 11:20 M-F, Jicha.

CHEM 61 INTRODUCTION TO ORGANIC CHEMISTRY (2). Prerequisite, Chemistry 21. Molecular structure and its determination by modern physical methods, correlation between structure and reactivity and the theoretical basis for these relationships; classification of "reaction types" exhibited by organic molecules using as examples molecules of biological importance. 9:40 M-F, Evans.

CHEM 62 INTRODUCTION TO ORGANIC CHEMISTRY (2). Prerequisite, Chemistry 61. Continuation of Chemistry 61, with particular emphasis on the chemical properties of organic molecules of biological importance. (41L serves as an organic chemistry laboratory for premedical and predental students.) 8:00 M-F, Squibb.

CHEM 99* RESEARCH IN CHEMISTRY FOR UNDERGRADUATES (3). Prerequisite, permission of the instructor and director of undergraduate studies. The course is presented for conduct of undergraduate chemistry research on campus and is open to advanced chemistry students who normally have successfully completed one or more chemistry courses numbered 107 or higher. The course may be taken repeatedly for grade credit but Chemistry 99

and Chemistry 101 together may not be counted for more than 9 total hours course credit within the A.B. and B.S. degree programs in Chemistry. The course work may be accepted for Honors in Chemistry by the student's petition to the Honors Committee of the Department of Chemistry. A brochure concerning registration requirements is available from the Office of Undergraduate Studies in Venable Hall. A brochure concerning honors work and its relation to Chemistry 99 is also available. To be arranged. Knight, Hatfield.

Courses for Graduates and Advanced Undergraduates

CHEM 101 SPECIAL PROBLEMS IN CHEMISTRY (1 to 3). Prerequisite, to be determined by consultation with the director of undergraduate studies. Registration limited. Equivalent to one to three hours a week. Jicha.

CHEM 170L SYNTHETIC CHEMISTRY LABORATORY (2). Prerequisites, Chemistry 62, 42L. An integrated treatment of both organic and inorganic synthesis. 12:00-5:00 TWTh, Coke.

CHEM 171L SYNTHETIC CHEMISTRY LABORATORY (2). Prerequisite, 170L, prerequisite or corequisite, Chemistry 51 or 150. An integrated treatment of both organic and inorganic synthesis. 12:00-5:00 TWTh, Coke.

Courses for Graduates

CHEM 331 RESEARCH METHODOLOGY AND SEMINAR IN BIOLOGICAL CHEMISTRY (1 or more). Seminar and directed study on research methods of biological chemistry. This course provides a foundation for master's thesis or doctoral dissertation research. Staff.

CHEM 341 RESEARCH METHODOLOGY AND SEMINAR IN ANALYTICAL CHEMISTRY (1 or more). Seminar and directed study on research methods of analytical chemistry. The course provides a foundation for master's thesis or doctoral dissertation research. Staff.

CHEM 351 RESEARCH METHODOLOGY AND SEMINAR IN INORGANIC CHEMISTRY (1 or more). Seminar and directed study on research methods of inorganic chemistry. The course provides a foundation for master's thesis or doctoral dissertation research. Staff.

CHEM 361 RESEARCH METHODOLOGY AND SEMINAR IN ORGANIC CHEMISTRY (1 or more). Seminar and directed study on research methods of organic chemistry. The course provides a foundation for master's thesis or doctoral dissertation research. Staff.

CHEM 381 RESEARCH METHODOLOGY AND SEMINAR IN PHYSICAL CHEMISTRY (1 or more). Seminar and directed study on research for master's thesis or doctoral dissertation research. Staff.

CHEM 393 MASTER'S THESIS (Var.). Prerequisites, Chemistry 331, 341, 351, 361, or 381. Staff.

CHEM 394 DOCTORAL DISSERTATION (Var.). Prerequisites, Chemistry 331, 341, 351, 361, or 381. Staff.

CHEM 400 GENERAL REGISTRATION (0).

*Chemistry 99 may be counted no more than twice for elective credit in the B.S. program.

SECOND TERM

Courses for Undergraduates

CHEM 21 GENERAL DESCRIPTIVE CHEMISTRY (3). Prerequisite, Chemistry 11; corequisite, Chemistry 21L. 8:00 M-F, Little.

CHEM 21L QUANTITATIVE CHEMISTRY LABORATORY (1). Prerequisite, Chemistry 11L; corequisite, Chemistry 21. 11:00-2:00 MTW, Hills, Little.

CHEM 42 MODERN ANALYTICAL METHODS FOR SEPARATION AND CHARACTERIZATION: SECOND COURSE (2). Prerequisite, Chemistry 41; corequisite, Chemistry 42L; prerequisite or corequisite, Chemistry 62. Intermediate analytical spectroscopy (magnetic resonance and mass spectroscopy); principles of Nernstian electrochemistry; acid-base-solvent concepts; analysis of kinetics and equilibria; radiochemical techniques. 9:40 M-F, Bursey.

CHEM 42L LABORATORY IN SEPARATIONS AND ANALYTICAL CHARACTERIZATION OF ORGANIC AND BIOLOGICAL COMPOUNDS: SECOND COURSE (2). Prerequisite or corequisite, Chemistry 62; corequisite, Chemistry 42. Applications and illustrations of modern analytical spectroscopic techniques; quantitative investigation of chemical properties through electrochemical, radiochemical, and newer titrimetric techniques (some preparative experience included with these studies). (This course serves as an organic chemistry laboratory for premedical and predental students.) 1:00-5:00 MTW, Linton, Bursey.

CHEM 62 INTRODUCTION TO ORGANIC CHEMISTRY (2). Prerequisite, Chemistry 61. Continuation of Chemistry 61, with particular emphasis on the chemical properties of organic molecules of biological importance. (41L serves as an organic chemistry laboratory for premedical and predental students.) Five lecture periods. 8:00 M-F, McKee.

CHEM 99* RESEARCH IN CHEMISTRY FOR UNDERGRADUATES (3). See description under First Term. To be arranged. Dearman, Pedersen.

Courses for Graduates and Advanced Undergraduates

CHEM 101 SPECIAL PROBLEMS IN CHEMISTRY (Var.). See description under First Term. To be arranged. McKee.

CHEM 107 BIOCHEMISTRY FOR STUDENTS OF BIOLOGY AND CHEMISTRY (Biochemistry 100, Zoology 107) (3). Prerequisites, Chemistry 61 and one course in Biology. Lectures on the chemistry and metabolism of carbohydrates, lipids, amino acids, proteins and nucleic acids, elementary enzyme kinetics, biochemical genetics, regulatory mechanisms; bioenergetics. 11:20 M-F, Dearman.

CHEM 170L SYNTHETIC CHEMISTRY LABORATORY (2). Prerequisites, Chemistry 62, 42L. An integrated treatment of both organic and inorganic synthesis. 12:00-5:00 TWTh, Templeton.

CHEM 171L SYNTHETIC CHEMISTRY LABORATORY (2). Prerequisite, 170L; prerequisite or corequisite, Chemistry 51 or 150. An integrated treatment of both organic and inorganic synthesis. 12:00-5:00 TWTh, Templeton.

*Chemistry 99 may be counted no more than twice for elective credit in the B S. program.

CHEM 180 INTRODUCTION TO BIOPHYSICAL CHEMISTRY (3). Prerequisites, Chemistry 61, Physics 25, and MATH 32. Does not carry credit toward graduate work in chemistry or credit toward B.S. degree in chemistry. Application of thermodynamics to biochemical processes; enzyme kinetics; properties of biopolymers in solution 9:40 M-F, Pedersen.

Courses for Graduates

CHEM 331 RESEARCH METHODOLOGY AND SEMINAR IN BIOLOGICAL CHEMISTRY (1 or more). Seminar and directed study on research methods of biological chemistry. This course provides a foundation for master's thesis or doctoral dissertation research. Staff.

CHEM 341 RESEARCH METHODOLOGY AND SEMINAR IN ANALYTICAL CHEMISTRY (1 or more). Seminar and directed study on research methods of analytical chemistry. The course provides a foundation for master's thesis or doctoral dissertation research. Staff.

CHEM 351 RESEARCH METHODOLOGY AND SEMINAR IN INORGANIC CHEMISTRY (1 or more). Seminar and directed study on research methods of inorganic chemistry. The course provides a foundation for master's thesis or doctoral dissertation research. Staff.

CHEM 361 RESEARCH METHODOLOGY AND SEMINAR IN ORGANIC CHEMISTRY (1 or more). Seminar and directed study on research methods of organic chemistry. The course provides a foundation for master's thesis or doctoral dissertation research. Staff.

CHEM 381 RESEARCH METHODOLOGY AND SEMINAR IN PHYSICAL CHEMISTRY (1 or more). Seminar and directed study on research methods of physical chemistry. The course provides a foundation for master's thesis or doctoral dissertation research. Staff.

CHEM 393 MASTER'S THESIS (Var.). Prerequisites, Chemistry 331, 341, 351, 361, or 381. Staff.

CHEM 394 DOCTORAL DISSERTATION (Var.). Prerequisites, Chemistry 331, 341, 351, 361, or 381. Staff.

CHEM 400 GENERAL REGISTRATION (0).

CLASSICS

FIRST TERM

Courses for Undergraduates

CLAR 40 ANCIENT CITIES (3). An introduction to classical civilization with emphasis on ancient Greek and Roman cities. The Mediterranean cities will be traced from their Near Eastern origins through the Greek city states, the Hellenistic Kingdoms, and the Roman Empire to the end of antiquity (4th c. A.D.). 11:20, Sams.

CLAS 77 GREEK MYTHOLOGY (3). An introduction to mythology, followed by a study of the cycles of myths which developed in ancient Greece. Illustrations from sculpture and vase-painting. 8:00, Sams.

LATIN 1 ELEMENTARY LATIN (3). 11:20, Staff.

NOTE: Students interested in taking Latin 3, Latin 21, or Greek 3 in the First Term of the Summer Session are asked to contact the Classics Department, 212 Murphey Hall.

Courses for Graduates and Advanced Undergraduates

LATIN 101 / 101X — ELEMENTARY CLASSICAL LATIN FOR GRADUATE STUDENTS (3, 0). Graduate students whose major department authorizes them to take the course for credit should register for 101. Other graduate students not taking the course for credit should register for 101X. 8:00, Staff.

Courses for Graduates

CLAR 341 — SPECIAL READING IN ARCHAEOLOGY (3). To be arranged.
CLAR 393 — MASTER'S THESIS (Var.).
CLAR 394 — DOCTORAL DISSERTATION (Var.).
GREK 341 — SPECIAL READING (3). To be arranged.
GREK 393 — MASTER'S THESIS (Var.).
GREK 394 — MASTER'S THESIS (Var.).
LATN 341 — SPECIAL READING (3). To be arranged.
LATN 393 — MASTER'S THESIS (Var.).
LATN 394 — DOCTORAL DISSERTATION (Var.).

SECOND TERM

Course for Undergraduates

LATIN 2 — ELEMENTARY LATIN (3). 1:00, Staff.

Courses for Graduates and Advanced Undergraduates

CLAR 140 — PROBLEMS IN THE HISTORY OF CLASSICAL IDEAS (3). For description of course, see "Carolina's Study-Travel Abroad Program" under SPECIAL FEATURES, page 44.

CLAR 141 — PROBLEMS IN THE HISTORY OF CLASSICAL IDEAS (3). For description of course, see "Carolina's Study-Travel Abroad Program" under SPECIAL FEATURES, page 44.

CLAS 103* — GREEK AND ROMAN EPIC (Comparative Literature 103). (3). Reading of ancient epics, with emphasis on epic after Homer. Structure of the poems, history of epic as a literary form, the poems as expressions of the spirit of their ages. 11:20, Staff.

LATIN 102 / 102X — ELEMENTARY CLASSICAL LATIN FOR GRADUATE STUDENTS (3, 0). Graduate students whose major department authorizes them to take this course for credit should register for 102. Students not taking the course for credit should register for 102X. 8:00, Staff.

Courses for Graduates

CLAR 341 — SPECIAL READING IN ARCHAEOLOGY (3). To be arranged.
CLAR 393 — MASTER'S THESIS (Var.).
CLAR 394 — DOCTORAL DISSERTATION (Var.).
GREK 341 — SPECIAL READING (3). To be arranged.
GREK 393 — MASTER'S THESIS (Var.).
GREK 394 — DOCTORAL DISSERTATION (Var.).
LATN 341 — SPECIAL READING (3). To be arranged.
LATN 393 — MASTER'S THESIS (Var.).
LATN 394 — DOCTORAL DISSERTATION (Var.).

*Undergraduate credit only.

COMPARATIVE LITERATURE

FIRST TERM

Courses for Undergraduates

CLIT 95 SPECIAL TOPICS IN COMPARATIVE LITERATURE: LITERARY AND SCIENTIFIC VISION (3). A study of the ways in which selected literary works since the eighteenth century either reinforce or revise dominant scientific world-views. Literary texts by Diderot, Blake, the Shelleys, Poe, E.T.A. Hoffman, Verne, Wells, and Henry Adams supplemented by scientific writings of Descartes, Newton, Goethe, and works by contemporary historians of science. 9.40, Black.

Courses for Graduates and Advanced Undergraduates

CLIT 103* GREEK AND ROMAN EPIC (Classics 103) (3). See Classics for description.

CLIT 184 THE DRAMA FROM IBSEN TO BECKETT (3). The main currents of European drama from the end of the nineteenth century to the present. 1.00, Black.

Courses for Graduates

CLIT 393 MASTER'S THESIS (Var.).
CLIT 394 DOCTORAL DISSERTATION (Var.).

SECOND TERM

Courses for Graduates

CLIT 393 MASTER'S THESIS (Var.).
CLIT 394 DOCTORAL DISSERTATION (Var.).

*Undergraduate credit only.

COMPUTER SCIENCE

FIRST TERM

Courses for Undergraduates

COMP 14 INTRODUCTION TO PROGRAMMING (3). Introduction to computer use. Approaches to problem-solving; algorithms and their design; fundamental programming skills, using PL/1. 8:00, Staff.

COMP 16 INTRODUCTION TO PROGRAMMING, USING CALCULUS (3). Prerequisite, MATH 31. Introduction to computer use, emphasizing mathematical and scientific problems. Approaches to problem-solving; algorithms and their design; fundamental programming skills, using PL/1. 9:40, Staff.

Courses for Graduates and Advanced Undergraduates

COMP 114 SYSTEMATIC PROGRAMMING (4). Prerequisite, one of COMP
114X 14, 16. (May be taken without credit as COMP 114X. May not be taken for credit together with COMP 118 or 119.) How to write good programs; top-down programming and documentation, structured programming, control and data structures, use of secondary storage, efficiency, program correctness, and programming style, using PL/1. Exposure to COBOL. 11:20, Staff.

COMP 120 COMPUTER ORGANIZATION (3). Prerequisite, one of COMP 14 or 16. Data representation, computer architecture and implementation, assembler language programming. 1:00, Staff.

Courses for Graduates

COMP 393 MASTER'S THESIS (Var.).

COMP 394 DOCTORAL DISSERTATION (Var.).

COMP 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

COMP 14 INTRODUCTION TO PROGRAMMING (3). Introduction to computer use. Approaches to problem-solving; algorithms and their design; fundamental programming skills, using PL/1. 8:00, Staff.

COMP 16 INTRODUCTION TO PROGRAMMING, USING CALCULUS (3). Prerequisite, MATH 31. Introduction to computer use, emphasizing mathematical and scientific problems. Approaches to problem-solving; algorithms and their design; fundamental programming skills, using PL/1. 9:40, Staff.

Courses for Graduates and Advanced Undergraduates

COMP 118 DATA PROCESSING TECHNIQUES (3). Prerequisite, one of
118X COMP 14, 16. (May be taken without graduate credit as COMP 118X. May not be taken for credit together with COMP 114 or 119.) Data processing as used in the social sciences and business. Advanced PL/1, file processing, JCL, and program packages. 11:20, Staff.

Courses for Graduates

COMP 393 MASTER'S THESIS (Var.).
COMP 394 DOCTORAL DISSERTATION (Var.).
COMP 400 GENERAL REGISTRATION (0).

DRAMATIC ART

FIRST TERM

Courses for Undergraduates

DRAM 15 INTRODUCTION TO THE THEATRE (3). Analysis and demonstration of the theatre as a composite form of art. 9:40, 11:20, Housman, Haas.

DRAM 35 ACTING (3). Introductory course in the principles and practice of stage performance. 8:00, 9:40, 11:20, 1:00, 2:40, Staff.

DRAM 65 DRAMATIC ART PROJECTS (3). Limited to junior and senior majors in Dramatic Art. Permission of faculty of the department is required. Intensive individual work in a major area of theatrical production, design, technical, directing, acting, and playwriting. May be repeated for credit. Staff.

Courses for Graduates

DRAM 393 MASTER'S THESIS (Var.).
DRAM 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

DRAM 15 INTRODUCTION TO THE THEATRE (3). Analysis and demonstration of the theatre as a composite form of art. 9:40, 11:20, Barnett, Owen.

DRAM 35 ACTING (3). Introductory course in the principles and practice of stage performance. 8:00, 9:40, 11:20, 1:00, 2:40, Staff.

DRAM 64 TECHNICAL METHODS (3). Introduction to equipment and procedures in the design and execution of plans for the scenery, lighting, and costuming of theatre presentations. May be repeated for credit. 1:00-5:00, Glenn, Owen.

DRAM 65 DRAMATIC ART PROJECTS (3). Limited to junior and senior majors in Dramatic Art. Permission of faculty of the department is required. Intensive individual work in a major area of theatrical production, design, technical, directing, acting, and playwriting. May be repeated for credit. Staff.

Course for Graduates and Advanced Undergraduates

DRAM 192 SPECIAL STUDIES (3). Open only to majors in the Department of Dramatic Art. Permission of the instructor required. Special study of a selected area of theatre or drama. This course may be repeated for credit. 11:20, Marston.

Courses for Graduates

DRAM 393 MASTER'S THESIS (Var.).
DRAM 400 GENERAL REGISTRATION (0).

ECONOMICS

Economics 31 and 32, or equivalents, are prerequisites to all other courses in Economics, except those Economic courses numbered under 90. For Economics majors the grade of C or better must have been attained in Economics 31 and 32 or equivalents. Graduate standing in Economics or permission of the director of Graduate Studies in Economics is required for courses numbered 200 or above.

FIRST TERM

Courses for Undergraduates

ECON 31 INTRODUCTION TO MACROECONOMICS (3). An introductory study of the factors which affect the total economy: output, employment, the price level, interest rates, the money supply and the international balance of payments, and public policy towards them. 9:40, Benavie; 11:20, Staff.

ECON 32 INTRODUCTION TO MICROECONOMICS (3). An introductory study of how natural resources, labor, and capital are shared among alternative uses, and of related public policy. Economics 31 is not a prerequisite. 9:40, 11:20, Staff.

ECON 61 PRINCIPLES OF ECONOMICS (3). For juniors and seniors not majoring in economics or business administration who have not previously had a course in economics. The structure, functions, and underlying principles of modern economic life. 9:40, Mouzon.

ECON 70 ELEMENTARY STATISTICS (3). Summary measures of data, probability rules, sampling distributions, inference, regression, and correlation. 8:00, Staff.

Courses for Graduates and Advanced Undergraduates

ECON 130 MONEY, THE FINANCIAL SYSTEM, AND THE ECONOMY (3). Analysis of the role of money in the economy, its creation and management, institutional setting, policy implications, and interrelationships with other variables in determining the level of economic activity. 8:00, Kelly.

ECON 131 INTERMEDIATE THEORY: PRICE AND DISTRIBUTION (3). The determination of prices and the distribution of income in a free-enterprise system. 11:20, Kelly.

ECON 132 INTERMEDIATE THEORY: MONEY, INCOME, AND EMPLOYMENT (3). Topics include the level, fluctuations, and growth of national income, and monetary and fiscal policies designed to achieve economic goals. 11:20, Benavie.

ECON 159 HISTORY OF ECONOMIC DOCTRINES (3). A survey of the fundamental forms of economic thought from the scholastics through Keynes. 9:40, McFarland.

ECON 161 INTERNATIONAL ECONOMICS (3). An introduction to international trade, the balance of payments, and related issues of foreign economic policy. 9:40, Appleyard.

ECON 191 AN INTRODUCTION TO THE LABOR PROBLEM (3). A survey of the field of labor with emphasis on the labor force, the structure of the labor market, collective bargaining, wages, hours, and hazards of modern industrial life. 9:40, Kniesner.

ECON 194 ECONOMICS OF TRADE UNIONS (3). An economic analysis of union goals, the collective bargaining process, and the effects of unions on resource allocation and the welfare of society. 11:20, Kniesner.

Courses for Graduates

ECON 393 MASTER'S THESIS (Var.).

ECON 394 DOCTORAL DISSERTATION (Var.).

ECON 399 SEMINAR (3). Prerequisite, permission of instructor. To be arranged. Staff.

ECON 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

ECON 31 INTRODUCTION TO MACROECONOMICS (3). An introductory study of the factors which affect the total economy: output, employment, the price level, interest rates, the money supply and the international balance of payments, and public policy towards them. 8:00, 9:40, 11:20, Staff.

ECON 32 INTRODUCTION TO MICROECONOMICS (3). An introductory study of how natural resources, labor, and capital are shared among alternative uses, and of related public policy. Economics 31 is not a prerequisite. 8:00, 9:40, 11:20, Staff.

ECON 59 INTRODUCTION TO THE HISTORY OF ECONOMIC THOUGHT (3). Introduction to the development of economic thought from the Mercantilists, through Smith and the Classicists, Marx, the Neoclassicists to Keynes. Economics majors may use the course to satisfy general college requirements only. 9:40, Staff.

ECON 70 ELEMENTARY STATISTICS (3). Summary measures of data, probability rules, sampling distributions, inference, regression, and correlation. 9:40, Staff.

Courses for Graduates and Advanced Undergraduates

ECON 130 MONEY, THE FINANCIAL SYSTEM, AND THE ECONOMY (3). Analysis of the role of money in the economy, its creation and management, institutional setting, policy implications, and interrelationships with other variables in determining the level of economic activity. 1:00, Staff.

ECON 132 INTERMEDIATE THEORY: MONEY, INCOME, AND EMPLOYMENT (3). Topics include the level, fluctuations, and growth of national income, and monetary and fiscal policies designed to achieve economic goals. 9:40, Staff.

ECON 135 ECONOMIC DEVELOPMENT IN THE UNITED STATES (3). Principal factors governing American economic expansion since 1800. 11:20, Gallman.

ECON 145 INDUSTRIAL ORGANIZATION (3). The structure of industry and its relation to performance; causes and historical development of industrial concentration; investigation and analysis of specific industries in the current economy. 9:40, Blitch.

Courses for Graduates

ECON 393 MASTER'S THESIS (Var.).
ECON 394 DOCTORAL DISSERTATION (Var.).
ECON 399 SEMINAR (3). Prerequisite, permission of instructor. To be arranged. Staff.
ECON 400 GENERAL REGISTRATION (0).

EDUCATION

FIRST TERM

Courses for Undergraduates

EDUC 41 EDUCATION IN AMERICAN SOCIETY (3). 8:00, Beach.
EDUC 53 TEACHING READING IN THE SECONDARY SCHOOL (3). 9:40, Palmer.
EDUC 71 EDUCATIONAL PSYCHOLOGY (3). 11:20, Stuck.

Courses for Graduates

(Advanced undergraduates may be enrolled in 100-level courses only by explicit permission of their advisor or dean.)

EDUCATIONAL FOUNDATIONS

EDFO 100 PSYCHOLOGICAL FOUNDATIONS (3). 11:20, Coop.
EDFO 101 PSYCHOLOGY OF CHILDHOOD AND ADOLESCENCE (3). 9:40, Coop.
EDFO 106 MEASUREMENT AND EVALUATION (3). 8:00, White.
EDFO 201 PSYCHOLOGY OF SCHOOL LEARNING (3). 9:40, Stuck.
EDFO 285 LOGIC OF INQUIRY (3). 11:20, White
EDFO 393 MASTER'S THESIS (Var.).
EDFO 394 DOCTORAL DISSERTATION (Var.).

CURRICULUM AND INSTRUCTION

EDCI 111 AUDIO VISUAL INSTRUCTION: TECHNIQUES AND MATERIALS (3). 9:40, 11:20, Wileman.
EDCI 231 IMPROVEMENT IN READING (3). 4:00, Palmer.
EDCI 303 PROBLEMS IN THE CURRICULUM (3). To be arranged. Watson.
EDCI 360 INTERNSHIP IN HIGHER EDUCATION (3). To be arranged. Friedman, Rhyne, Watson.
EDCI 365 PROBLEMS IN HIGHER EDUCATION (3). To be arranged. Friedman, Rhyne, Watson.

SPECIAL PROFESSIONAL PROGRAMS

EDSP 130 INTRODUCTION TO EXCEPTIONAL CHILD STUDY (3). 8:00, Ragland.

EDSP 143 INTRODUCTION TO COMMUNICATION DISORDERS (SPCH 159) (SPCHS 183) (3). 9:40, Lubker.

EDSP 200 INTRODUCTION TO PUPIL PERSONNEL SERVICES (3). (See SPECIAL FEATURES, page 40). First Short Term (May 19-June 6) 1:00-4:00, Brown.

EDSP 209 ISSUES IN ORGANIZING GUIDANCE SERVICES (3). (See SPECIAL FEATURES, page 40). First Short Term (June 11-27), 1:00-4:00, Brown.

EDSP 322 SEMINAR IN LEARNING DISABILITIES (3). 11:20, Warnock.

EDSP 345/1 MAINSTREAMING ELEMENTARY HANDICAPPED STUDENTS IN THE REGULAR CLASSROOM (3-6). To be arranged. Turnbull.

EDSP 395 PROBLEMS IN ADMINISTRATION (3). To be arranged. George, Schlechty, Self.

EDSP 396 PROBLEMS IN SUPERVISION (3). To be arranged. Ball, Self.

SECOND TERM

Courses for Undergraduates

EDUC 12 MATHEMATICS IN EARLY CHILDHOOD AND INTERMEDIATE EDUCATION (MATH 12) (3). 11:20, Ballew.

EDUC 41 EDUCATION IN AMERICAN SOCIETY (3). 11:20, 1:00, Unks.

EDUC 53 TEACHING READING IN THE SECONDARY SCHOOL (3). 11:20, Hennis.

EDUC 71 EDUCATIONAL PSYCHOLOGY (3). 9:40, Washington.

Courses for Graduates

(Advanced undergraduates may enroll in 100-level courses only by explicit permission of their advisor or dean.)

EDUCATIONAL FOUNDATIONS

EDFO 180 EDUCATIONAL STATISTICS 1 (4). 1:00, Ware.

EDFO 223 EDUCATIONAL SOCIOLOGY (3). 9:40, Noblit.

EDFO 281 EDUCATIONAL STATISTICS II (4). 9:40, Ware.

EDFO 393 MASTER'S THESIS (Var.).

EDFO 394 DOCTORAL DISSERTATION (Var.).

CURRICULUM AND INSTRUCTION

EDCI 111 AUDIO VISUAL INSTRUCTION: TECHNIQUES AND MATERIALS (3). 11:20, Hannum.

EDCI 120 EARLY CHILDHOOD EDUCATION (3). 9:40, Day.

EDCI 121 CURRICULUM IN EARLY CHILDHOOD (3). 11:20, Day.

EDCI 200 THE SCHOOL CURRICULUM (3). 8:00, Hounshell.

EDCI	223	PRINCIPLES AND METHODS IN PARENT INVOLVEMENT (3). 8:00, Leler.
EDCI	230[2]	LANGUAGE ARTS IN THE ELEMENTARY SCHOOL (3). 9:40, Hennis.
EDCI	232[1]	DIAGNOSIS AND TREATMENT OF READING DIFFICULTIES (3). 8:00, Spiegel.
EDCI	233[1]	PRACTICUM IN DIAGNOSIS AND TREATMENT OF READING DIFFICULTIES (3). 9:40, Spiegel.
EDCI	236[3]	TEACHING SCIENCE IN THE ELEMENTARY SCHOOL (3). 9:40, Hounshell.
EDCI	237[4]	TEACHING MATH IN THE ELEMENTARY SCHOOL (3). 9:40, Ballew.
EDCI	240[2]	INVESTIGATIONS AND TRENDS IN TEACHING ENGLISH (3). 9:40, Hennis.
EDCI	246[3]	INVESTIGATIONS AND TRENDS IN TEACHING SCIENCE (3). 9:40, Hounshell.
EDCI	247[4]	INVESTIGATIONS AND TRENDS IN TEACHING MATH (3). 9:40, Ballew.
EDCI	252	GROUP PROCESS (3). (See Special Features, page 40.) Second Short Term (June 30-July 17). 9:40-12:50, Watson.
EDCI	303	PROBLEMS IN CURRICULUM (3). 9:40, Hannum.
EDCI	303	PROBLEMS IN CURRICULUM AND INSTRUCTION (3). (Separate sections for Early Childhood, Intermediate, Secondary, Media, Reading Adult and Higher.) To be arranged. Whaley.
EDCI	321	PRACTICUM IN EARLY CHILDHOOD EDUCATION (3). To be arranged. Brice.
EDCI	330	INVESTIGATIONS IN READING (3). 9:40, Whaley.
EDCI	360	INTERNSHIP IN HIGHER EDUCATION (3). To be arranged. Fendt, Friedman, Rhyne, Watson.
EDCI	365	PROBLEMS IN HIGHER EDUCATION (3). To be arranged. Friedman, Rhyne, Watson.

SPECIALIZED PROFESSIONAL PROGRAMS

EDSP	132	THE GIFTED CHILD IN SCHOOL AND SOCIETY (3). To be arranged. Staff.
EDSP	201	THEORIES OF COUNSELING (3). 8:00, Lee.
EDSP	203	PRACTICUM IN COUNSELING (3). 9:40-12:10, Lee.
EDSP	237	INTRODUCTION TO THE EDUCATION OF EMOTIONALLY DISTURBED CHILDREN (3). To be arranged. Staff.
EDSP	238	TEACHING THE EMOTIONALLY DISTURBED CHILD (3). To be arranged. Epanchin.
EDSP	290	ORGANIZATION OF AMERICAN SCHOOL SYSTEMS (3). 8:00, George.
EDSP	291	EDUCATIONAL ORGANIZATIONS AS A SOCIAL SYSTEM (3). 11:20, Noblit.
EDSP	292	THE PRINCIPALSHIP (3). 9:40, Self.
EDSP	294	SUPERVISION (3). 11:20, Schlechty.

1. Requires concurrent registration.
2. These courses are scheduled at the same hour and place. They will be taught as a single course for only three semester hours credit.
3. Ibid.
4. Ibid.

EDSP	340	INTERNSHIP (3). To be arranged. Epanchin, Hyatt, Bailey.
EDSP	345/2	MANAGEMENT OF EXCEPTIONAL CHILDREN'S PROGRAMS IN THE SCHOOL (3). To be arranged. June 30-July 17. Pelosi, Wiegerink.
EDSP	395	PROBLEMS IN ADMINISTRATION (3). To be arranged. George, Schlechty, Self.
EDSP	396	PROBLEMS IN SUPERVISION (3). To be arranged. Ball, Self.

ENGLISH

FIRST TERM

Courses for Undergraduates

ENGL	1	FRESHMAN ENGLISH (3). 8:00, McQueen; 1:00, Stumpf.
ENGL	2	FRESHMAN ENGLISH (3). 8:00, Harris; 9:40, Mills; 1:00, Thornton.
ENGL	23	INTRODUCTION TO FICTION (3). 9:40, Thornton.
ENGL	24	CONTEMPORARY LITERATURE (3). 11:20, McQueen.
ENGL	32	BUSINESS WRITING (3). 11:20, MacIntosh.
ENGL	43	THE ENGLISH NOVEL (3). 1:00, Strauss.

ENGL	46	STUDIES IN DRAMA (3). (See "Carolina's Study-Travel Programs Abroad" under SPECIAL FEATURES, page 43). Armitage.
ENGL	49	STUDIES IN LITERARY TOPICS: AFRO-AMERICAN FOLKLORE (3). 11:20, Harris.
ENGL	58	SHAKESPEARE (3). 1:00, Mills.
ENGL	66	PROSE & POETRY OF THE CLASSICAL PERIOD (3). 9:40, MacIntosh.
ENGL	72	THE CHIEF ROMANTIC WRITERS (3). 9:40, Stumpf.
ENGL	82	AMERICAN LITERATURE AFTER 1890 (3). 8:00, Flora.

Courses for Graduates

ENGL	259	SHAKESPEARE: THE LATE PLAYS (3). 1:00, Phialas.
ENGL	282	STUDIES IN AMERICAN LITERATURE (3). 11:20, Holman.
ENGL	393	MASTER'S THESIS (Var.).
ENGL	394	DOCTORAL DISSERTATION (Var.).
ENGL	397	DIRECTED READINGS (Var.). Staff.
ENGL	400	GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

ENGL	W	FRESHMAN ENGLISH (3). 9:40, Brookhouse.
ENGL	1	FRESHMAN ENGLISH (3). 8:00, Bain; 9:40, Thomson; 1:00, Avery.
ENGL	2	FRESHMAN ENGLISH (3). 8:00, Staff; 9:40, Staff; 1:00, Harmon.
ENGL	22	BRITISH LITERATURE, WORDSWORTH TO ELIOT (3). 9:40, Harmon.
ENGL	23	INTRODUCTION TO FICTION (3). 11:20, Jackson.
ENGL	24	CONTEMPORARY LITERATURE (3). 11:20, Harper.
ENGL	26	INTRODUCTION TO DRAMA (3). 8:00, King.
ENGL	30	ADVANCED EXPOSITORY WRITING (3). 9:40, Harper.
ENGL	66	PROSE & POETRY OF THE CLASSICAL PERIOD (3). 9:40, Haig.
ENGL	81	AMERICAN LITERATURE TO 1890 (3). 11:20, King.
ENGL	83	THE AMERICAN NOVEL (3). 1:00, Rust.

Courses for Graduates and Advanced Undergraduates

ENGL	130	ADVANCED COMPOSITION (3). 9:40, Harper.
ENGL	131	RHETORICAL THEORY AND PRACTICE (3). 11:20, Bain.
ENGL	142	FILM AND LITERATURE (3). 1:00, Brookhouse.
ENGL	195	20TH-CENTURY BRITISH AND AMERICAN DRAMA (3). 9:40, Avery.

Courses for Graduates

ENGL	274	STUDIES IN VICTORIAN LITERATURE: POETRY (3). 1:00, Thomson.
ENGL	393	MASTER'S THESIS (Var.).
ENGL	394	DOCTORAL DISSERTATION (Var.).
ENGL	397	DIRECTED READINGS (Var.). Staff.
ENGL	400	GENERAL REGISTRATION (0).

FOLKLORE

FIRST TERM

Courses for Graduates and Advanced Undergraduates

FOLK 122 CULTURAL ANTHROPOLOGY (Anthropology 122) (3). 8:00, Myers.
FOLK 133 THE PEOPLE OF THE CARIBBEAN (Anthropology 133) (3). 11:20, Myers.
FOLK 135 CONSCIOUSNESS AND SYMBOLS (Anthropology 135) (3). 9:40, Peacock.
FOLK 154 HISTORICAL GEOGRAPHY OF THE UNITED STATES (Geography 154) (3). 11:20, Florin.
FOLK 198 FIELD RESEARCH (3). To be arranged. Staff.
FOLK 199 DIRECTED READINGS IN FOLKLORE (3). To be arranged. Staff.

See also English 49.

Courses for Graduates

FOLK 393 MASTER'S THESIS (3). Staff.
FOLK 395 RESEARCH (3). To be arranged. Staff.

SECOND TERM

Courses for Graduates and Advanced Undergraduates

FOLK 121 CULTURE AND PERSONALITY (Anthropology 121) (3). 9:40, Scheper-Hughes.
FOLK 198 FIELD RESEARCH (3). To be arranged. Staff.
FOLK 199 DIRECTED READINGS IN FOLKLORE (3). To be arranged. Staff.

See also Anthropology 42 and 105.

Courses for Graduates

FOLK 393 MASTER'S THESIS (3). Staff.
FOLK 395 RESEARCH (3). To be arranged. Staff.

GEOGRAPHY

FIRST TERM

Courses for Undergraduates

GEOG 38 PHYSICAL GEOGRAPHY (3). Natural Science Credit. 9:40, Kopec.
GEOG 48(1) THE CHANGING HUMAN ENVIRONMENT (3). 8:00, Florin.
GEOG 48(2) THE CHANGING HUMAN ENVIRONMENT (3). 11:20, Hawley.

Courses for Graduates and Advanced Undergraduates

GEOG 132 WORLD'S FOOD SUPPLY (3). 9:40, Hawley.
GEOG 154 HISTORICAL GEOGRAPHY (3). 11:20, Florin.
GEOG 171 CARTOGRAPHY (3). 8:00, Kopec.

Courses for Graduates

GEOG 393 MASTER'S THESIS (Var.).
GEOG 394 DOCTORAL DISSERTATION (Var.).
GEOG 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

GEOG 38 PHYSICAL GEOGRAPHY (3). Natural Science Credit. 9:40, Robinson.
GEOG 48(1) THE CHANGING HUMAN ENVIRONMENT (3). 8:00, Browning.
GEOG 48(2) THE CHANGING HUMAN ENVIRONMENT (3). 11:20, Birdsall.

Courses for Graduates and Advanced Undergraduates

GEOG 110 METEOROLOGY (3). 8:00, Robinson.
GEOG 150 POPULATION GEOGRAPHY (3). 9:40, Birdsall.
GEOG 161 THE SOUTH (3). 11:20, Browning.

Courses for Graduates

GEOG 393 MASTER'S THESIS (Var.).
GEOG 394 DOCTORAL DISSERTATION (Var.).
GEOG 400 GENERAL REGISTRATION (0).

GEOLOGY

FIRST TERM

Courses for Undergraduates

GEOL 10 GEOLOGY AND SOCIETY (3). 11:20, Druhan.
GEOL 11 PHYSICAL GEOLOGY (4). Five lecture periods and six laboratory hours. 9:40, Laboratories 2:00-5:00 MW, Carter.

Courses for Graduates

GEOL 393 MASTER'S THESIS (Var.).
GEOL 394 DOCTORAL DISSERTATION (Var.).
GEOL 400 GENERAL REGISTRATION (0).

SECOND TERM

Course for Undergraduates

GEOL 11 PHYSICAL GEOLOGY (4). Five lecture periods and six laboratory hours. 9:40, Laboratories 2:00-5:00 MW, Fullagar.

Courses for Graduates

GEOL 393 MASTER'S THESIS (Var.).
GEOL 394 DOCTORAL DISSERTATION (Var.).
GEOL 400 GENERAL REGISTRATION (0).

GERMANIC LANGUAGES

FIRST TERM

Courses for Undergraduates

GERM 1 ELEMENTARY GERMAN (4). 8:00 with additional hours to be arranged. Staff.

GERM 3 INTERMEDIATE GERMAN (3). 8:00, Staff.

GERM 31 CONVERSATION AND COMPOSITION (3). Prerequisite, German 4 or permission of instructor. Practical exercises in composition and conversation. Grammar review and introduction to phonetics. 9:40, Stambaugh.

SECOND TERM

Course for Undergraduates

GERM 2 ELEMENTARY GERMAN (4). 8:00 with additional hours to be arranged. Staff.

HISTORY

FIRST TERM

Courses for Undergraduates

HIST 11 HISTORY OF WESTERN CIVILIZATION I (3). The emergence of Western Civilization from antiquity to the seventeenth century; emphasis on ideas, forces governing change, and humanistic themes. 11:20, Pfaff.

HIST 12 HISTORY OF WESTERN CIVILIZATION II (3). A survey of the main social, political, economic, and intellectual developments in the west from the mid-seventeenth century to the present. 11:20, Soloway.

HIST 21 AMERICAN HISTORY TO 1865 (3). The American experience from colonial origins through the Revolution and the fashioning of a nation to its testing in the Civil War. 8:00, Higginbotham.

HIST 22 AMERICAN HISTORY SINCE 1865 (3). A topical and chronological survey of American history since the Civil War, stressing social trends as well as political development extending into the 1970s. 9:40, Higginbotham.

HIST 41 ANCIENT HISTORY (3). A topical survey of the ancient world, especially the civilizations of the Near East, Greece, and Rome. 9:40, McCoy.

HIST 45 ENGLISH HISTORY SINCE 1688 (3). A general survey emphasizing the social, economic, political, and intellectual development of modern English society. 8:00, Soloway.

HIST 52 HISTORY OF GREECE (3). A survey of ancient Greek history and culture from the Bronze Age to the Hellenistic era. 8:00, McCoy.

HIST 54 CATHEDRAL AND CASTLE IN MEDIEVAL ENGLAND (3). An approach to the middle ages through the architectural masterpieces of medieval England. 9:40, Pfaff.

HIST 68 HISTORY OF SOUTH AFRICA (3). The contemporary crisis in southern African affairs will be examined in terms of long-range historical development. Race relations, apartheid, frontier warfare and conquest, liberation movements, gold and diamond mining, and much more will be covered. 11:20, Reefe.

HIST 90 THE WORLD AT WAR (3). (See "Carolina's Study-Travel Programs Abroad" under SPECIAL FEATURES page 43.) Leutze.

HIST 91 INDEPENDENT STUDIES IN HISTORY (3). Permission of instructor required. To be arranged. staff.

HIST 91H MAIN BATTLEFIELDS IN WESTERN EUROPE (6). (See "Carolina's Study-Travel Programs Abroad" under SPECIAL FEATURES page 43.) Leutze.

Courses for Graduates and Undergraduates

HIST 113 UNITED STATES HISTORY, 1848-1900 (3). An examination and interpretation of American history from the Mexican War to the beginning of the twentieth century. 11:20, Klingberg.

HIST 139 ENGLAND IN THE EIGHTEENTH CENTURY, 1660-1815 (3). England's rise to wealth and power; her development from sacred monarchy through aristocracy to an age of reform without violence; revolutions—industrial, American, and French—and their containment. 9:40, Baxter.

HIST 161 NORTH CAROLINA I, 1524-1835 (3). Deals with natural setting, people, government, social conditions, intellectual affairs, education, religion, agriculture, communications, and wars in North Carolina. 9:40, Powell.

HIST 162 NORTH CAROLINA II, 1835 TO THE PRESENT (3). Internal improvements, manufacturing, Civil War and Reconstruction, Prohibition, Women's Rights, education, cultural development, Research Triangle, and other topics. 1:00, Powell.

Courses for Graduates

HIST 254 CIVIL WAR AND RECONSTRUCTION, 1860-1876 (3). 1:00, Klingberg.

HIST 299 INDEPENDENT STUDY FOR GRADUATE STUDENTS (3). Permission of instructor required. To be arranged. Staff.

HIST 393 MASTER'S THESIS (Var.).

HIST 394 DOCTORAL DISSERTATION (Var.).

HIST 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

HIST 12 HISTORY OF WESTERN CIVILIZATION II (3). A survey of the main social, political, economic, and intellectual developments in the west from the mid-seventeenth century to the present. 9:40, Cecil.

HIST 21 AMERICAN HISTORY TO 1865 (3). The American experience from colonial origins through the Revolution and the fashioning of a nation to its testing in the Civil War. 8:00, Nelson.

HIST 22 AMERICAN HISTORY SINCE 1865 (3). The transformation of the United States into an industrial, urban, and pluralist society and its emergence as a world power. 11:20, Semoche.

HIST 31 HISTORY OF RUSSIA FROM 1861 TO THE PRESENT (3). Main topics: emancipation, the rise of opposition to autocracy, Bolshevik success and Soviet power, Russia and the West, and the contemporary scene in the USSR. 9:40, Brooks.

HIST 49 MODERN EUROPEAN HISTORY SINCE 1815 (3). Main topics: the importance of historical thinking; the nature and significance of nationalism; the impact of war on the modern world; contemporary Europe, including the Soviet Union. 1:00, Brooks.

HIST 53 HISTORY OF ROME (3). Political framework, from the early monarchy to Constantine; attention given to social, religious, economic, intellectual matters. 9:40, Boren.

HIST 85 THE UNITED STATES IN THE PACIFIC AREA (3). A survey of America's diplomatic, economic, missionary, and military involvement in the Pacific area from 1784 through the war in Vietnam. 8:00, Miller.

Courses for Graduates and Undergraduates

HIST 114 UNITED STATES HISTORY, 1900-1932 (3). United States as a world power, progressive movement, World War I, "golden twenties," coming of the Great Depression. 11:20, Miller.

HIST 115 UNITED STATES HISTORY SINCE 1932 (3). Roosevelt recovery program, World War II, "Cold War," Vietnam, social and economic changes, civil rights, and the status of youth and women. 8:00, Sitterson.

HIST 135 EUROPE, 1871-1918 (3). Emphasizes the disintegration of Europe, culminating in the First World War, and the fall of the continental empires. 11:20, Cecil.

HIST 168 HISTORY OF AMERICAN BUSINESS (3). Development of major areas of enterprise, industries, and corporations; examination of finance, promotion, procurement, technology, production, sales, organization. 9:40, Douglass.

Courses for Graduates

HIST 299 INDEPENDENT STUDY FOR GRADUATE STUDENTS (3). Permission of instructor required. To be arranged. Staff.

HIST 393 MASTER'S THESIS (Var.).

HIST 394 DOCTORAL DISSERTATION (Var.).

HIST 400 GENERAL REGISTRATION (0).

JOURNALISM

FIRST TERM

Courses for Undergraduates

JOUR 53 NEWS WRITING (4). Permission of school required. 9:40-12:50 M-Th, Adams.

JOUR 56 FEATURE WRITING (3). Permission of instructor required. 9:40, Johnson.

JOUR 57 NEWS EDITING (3). Permission of instructor required. 10:00-11:50, Mann.
JOUR 97 INDIVIDUAL STUDY (3). Permission of school required. To be arranged. Staff.

Courses for Graduates and Advanced Undergraduates

JOUR 111 THE PRESS IN CONTEMPORARY SOCIETY (3). 1:00, Reuss.
JOUR 164 MASS MEDIA, LAW, AND ETHICS (3). 8:00, Chamberlin.
JOUR 165 PROCESS AND EFFECTS OF MASS COMMUNICATION (3). 8:00, Stevenson.
JOUR 170 PRINCIPLES OF ADVERTISING (3). 11:20, Bowers.

Courses for Graduates

JOUR 345 READING AND RESEARCH (3). To be arranged. Staff.
JOUR 393 MASTER'S THESIS (Var.).
JOUR 394 DOCTORAL DISSERTATION (Var.).
JOUR 400 GENERAL REGISTRATION (0).

LAW

FIRST TERM

Estate and Gift Tax	John H. Martin
Interviewing, Counseling, and Negotiation	Walker Blakey
Family Law	Chauncey E. Brummer
Professional Responsibility	Eugene Gressman

(Two additional courses will be offered)

SECOND TERM

Administrative Law	Burnele V. Powell
Federal Jurisdiction	William B. Aycock
Income Tax	William B. Turnier
Labor Law	William P. Murphy

(One additional course will be offered)

LIBRARY SCIENCE

These courses are open to students enrolled in the School of Library Science. Students registered in other departments or schools may enroll in a course only upon permission of the instructor. Library Science 101 and 102 are prerequisites for all courses above the 100 level.

FIRST TERM

Courses for Graduates

LIBS 210 LEGAL BIBLIOGRAPHY (3). 11:20, Allen.
LIBS 222 SCIENCE LITERATURE (3). 9:40, Momenee.
LIBS 231 THEORY OF LIBRARY ADMINISTRATION (3). 8:00, Lowry.

LIBS 299 PROFESSIONAL FIELD EXPERIENCE FOR SCHOOL LIBRARY MEDIA SPECIALISTS (3). M. Miller.
LIBS 310 ON-LINE DATA BASE DESIGN AND EVALUATION (3). 1:00, Momenee, Section 27.
LIBS 315 SEMINAR IN PUBLIC SERVICES (3). 2:40, Lindsey.
LIBS 341 SEMINAR IN PUBLIC LIBRARIES (3). 9:40, R. Miller.
LIBS 346 SEMINAR IN LAW LIBRARIANSHIP (3). 8:00, Oliver.
LIBS 394 DOCTORAL DISSERTATION (Var.).
LIBS 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Graduates and Advanced Undergraduates

LIBS 101 INTRODUCTION TO LIBRARIANSHIP (6). 9:40 and 11:20. Staff.
LIBS 105 HISTORY OF BOOKS AND PRINTING (3). 1:00, Gambee.
LIBS 123 SELECTION OF BOOKS AND RELATED MATERIALS FOR CHILDREN (3). 9:40, Kingsbury.

Courses for Graduates

LIBS 215 BIBLIOGRAPHY (3). 11:20, Keys.
LIBS 221 READING INTERESTS AND GUIDANCE OF YOUTH (3). 11:20, M. Miller.
LIBS 224 HUMANITIES LITERATURE (3). 8:00, Keys.
LIBS 299 PROFESSIONAL FIELD EXPERIENCE FOR SCHOOL LIBRARY MEDIA SPECIALISTS (3). M. Miller.
LIBS 307 THE AGENCIES AND MEDIA OF COMMUNICATION (3). 2:40, Downing.
LIBS 394 DOCTORAL DISSERTATION (Var.).
LIBS 400 GENERAL REGISTRATION (0).

LINGUISTICS AND NON-WESTERN LANGUAGES

FIRST TERM

Courses for Undergraduates

LING 30 INTRODUCTION TO LANGUAGE (3). A survey of the many aspects of human language, including the history of language, similarities and differences among languages, language and culture, dialects, writing systems, child language acquisition, animal "languages," and the use of computers in analyzing languages. Linguistic methods used to describe and relate languages. 9:40, Staff.
CHIN 50 INTRODUCTION TO CHINESE CIVILIZATION (3). A course designed to introduce both beginning undergraduate majors in Far Eastern studies and General College students to the Chinese world of past and present. 11:20, Seaton.

Courses for Graduates and Advanced Undergraduates

LING 101 INTRODUCTION TO HISTORICAL AND COMPARATIVE LINGUISTICS (Anthropology 181). Theories and methods of historical linguistics, with emphasis upon the Indo-European family.

Topics include the development of historical methods; language families; writing systems; phonological; grammatical, and semantic change; typological classification, dialectology. 9:40, Tsiapera.

CHIN 143 CHINESE LITERATURE IN TRANSLATION (Comparative Literature 143) (3). A survey of Chinese literature from the classic period to the modern period. 1:00, Seaton.

Courses for Graduates

LING 297 SPECIAL READINGS (3). To be arranged. Staff.
LING 393 MASTER'S THESIS (Var.).
LING 394 DOCTORAL DISSERTATION (Var.).
LING 400 GENERAL REGISTRATION (0).

SECOND TERM

Course for Undergraduates

LING 30 INTRODUCTION TO LANGUAGE (3). A survey of the many aspects of human language, including the history of language, similarities and differences among languages, language and culture, dialects, writing systems, child language acquisition, animal "languages," and the use of computers in analyzing languages. Linguistic methods used to describe and relate languages. 11:20, Melchert.

Course for Graduates and Advanced Undergraduates

LING 100 INTRODUCTION TO GENERAL LINGUISTICS (Anthropology 181) (3). An introduction to the scientific study of the structure of language. 2:40, Melchert.

Courses for Graduates

LING 297 SPECIAL READINGS (3). To be arranged. Staff.
LING 393 MASTER'S THESIS (Var.).
LING 394 DOCTORAL DISSERTATION (Var.).
LING 400 GENERAL REGISTRATION (0).

MARINE SCIENCES

All courses to be offered at the Institute of Marine Sciences, Morehead City, North Carolina in academic and temporal coordination with course offerings at The University of North Carolina at Chapel Hill.

FIRST TERM: May 19-June 20

Courses for Graduates and Advanced Undergraduates

MASC 138 ENVIRONMENTAL PROCESSES OF THE COASTAL ZONE (Coastal Community Ecology) (4). Analysis of the structure and organization of several coastal communities, emphasizing marine invertebrate assemblages and barrier island plant systems. Detailed and experimental treatments of species interactions, diversity, stability, and spatial patterns. Six lecture and twelve laboratory hours per week. Peterson, Lopez.

MASC 141S SPECIAL PROBLEMS IN MARINE BIOLOGY (ZOOL 141S) (2-6. Hours to be determined.) Prerequisite, Biological Oceanography and/or permission. Comprehensive surveys of problems and laboratory methods in any of the following areas: Mollusca (Chestnut), Vertebrata (Fahy, Schwartz), Fungi (Kohlmeyer), Ecology (Paerl, Peterson). Thirty or more conference and laboratory hours a week.

MASC 199 SPECIAL TOPICS IN MARINE SCIENCES (Microbial Ecology) (4). Emphasis on the application of analytical techniques to field and laboratory studies of microbial (bacterial, fungal, and algal) interactions, nutrient exchange processes, and the food value of microorganisms to higher trophic levels. The importance of algal vs. bacterial nitrogen fixation in coastal systems will be investigated. Paerl, Kohlmeyer, Lopez.

Courses for Graduates

MASC 300 RESEARCH IN MARINE SCIENCES (2 or more). To be arranged. Staff.

MASC 393 MASTER'S THESIS (Var.).

MASC 394 DOCTORAL DISSERTATION (Var.).

MASC 400 GENERAL REGISTRATION (0).

SECOND TERM: June 30-Aug. 1

Courses for Graduates and Advanced Undergraduates

MASC 138 ENVIRONMENTAL PROCESSES OF THE COASTAL ZONE (Coastal Geology) (4). Analysis of processes that create and control coastal zone environments. The course will emphasize geomorphological processes of barrier islands and will consider such subjects as beach erosion, inlet and tidal delta migrations, dune formation, and washover phenomena. Six lectures and twelve laboratory hours per week. Hine.

MASC 141S SPECIAL PROBLEMS IN MARINE BIOLOGY (ZOOL 141S) (2-6). (See description for First Term).

MASC 199 SPECIAL TOPICS IN MARINE SCIENCE (Experimental Design and Analysis) (4). The use of quantitative methods in the design of field experiments and the analysis of biological data. Deriso.

Courses for Graduates

(See ZOOL 240S and 241S for description of other courses offered at the Institute in Morehead City, NC)

MASC 300 RESEARCH IN MARINE SCIENCES (Var.). To be arranged.

MASC 393 MASTER'S THESIS (Var.).

MASC 394 DOCTORAL DISSERTATION (Var.).

MASC 400 GENERAL REGISTRATION (0).

MATHEMATICS

FIRST TERM

Courses for Undergraduates

MATH 1 INTUITIVE CALCULUS (3). 9:40, Staff.
MATH 3 SELECTED TOPICS IN MATHEMATICS (3). 11:20, Staff.
MATH 11 MATHEMATICS FOR EARLY CHILDHOOD AND INTERMEDIATE TEACHERS (3). Prerequisite is satisfactory score on placement examination. 11:20, Staff.
MATH 22 CALCULUS FOR BUSINESS AND SOCIAL SCIENCES (3). 8:00, 9:40, Staff.
MATH 30 TRIGONOMETRY AND ANALYTIC GEOMETRY (3). 9:40, Staff.
MATH 31 CALCULUS AND ANALYTIC GEOMETRY (3). 11:20, Staff.
MATH 32 CALCULUS WITH ANALYTIC GEOMETRY (3). Prerequisite, Mathematics 31. 11:20, Staff.
MATH 33 MULTIPLE VARIABLE CALCULUS (3). Prerequisite, Mathematics 32. 9:40, Staff.

Courses for Graduates and Advanced Undergraduates

MATH 124 ELEMENTARY DIFFERENTIAL EQUATIONS (3). Prerequisite, Mathematics 33. 8:00, Staff.
MATH 128 MATHEMATICAL METHODS FOR THE PHYSICAL SCIENCES I (3). Prerequisite, Mathematics 34. 9:40, Staff.
MATH 132 ELEMENTARY LINEAR ALGEBRA (3). Prerequisite, Mathematics 32. 11:20, Staff.
MATH 133 ELEMENTARY THEORY OF NUMBERS (3). Prerequisite, Mathematics 32. 1:00, Staff.

Courses for Graduates

MATH 393 MASTER'S THESIS (Var.).
MATH 394 DOCTORAL DISSERTATION (Var.).
MATH 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

MATH 2 ELEMENTARY PROBABILITY (3). 9:40, Staff.
MATH 3 SELECTED TOPICS IN MATHEMATICS (3); 11;20, Staff.
MATH 12 MATHEMATICS IN THE EARLY CHILDHOOD AND INTERMEDIATE GRADES (Education 12) (3). 11:20, Staff.
MATH 22 CALCULUS FOR BUSINESS AND SOCIAL SCIENCES (3). 8:00, Staff.
MATH 30 TRIGONOMETRY AND ANALYTIC GEOMETRY (3). 9:40, Staff.
MATH 31 CALCULUS WITH ANALYTIC GEOMETRY (3). 9:40, Staff.
MATH 32 CALCULUS WITH ANALYTIC GEOMETRY (3). Prerequisite, Mathematics 31. 11:20, Staff.
MATH 34 MULTIPLE VARIABLE CALCULUS II (3). Prerequisites, Mathematics 31, 32, 33. 11:20, Staff.

Courses for Graduates and Advanced Undergraduates

MATH 121 ADVANCED CALCULUS I (3). Prerequisite, Mathematics 34. 11:20, Staff.

MATH 135 NUMBER AND MAGNITUDE (3). Prerequisite, one year of college mathematics or consent of instructor. 1:00, Staff.

MATH 147 APPLIED MATRIX ALGEBRA (3). Prerequisite, Mathematics 34 and Computer Science 16 or its equivalent. 9:40, Staff.

Courses for Graduates

MATH 393 MASTER'S THESIS (Var.).

MATH 394 DOCTORAL DISSERTATION (Var.).

MATH 400 GENERAL REGISTRATION (0).

MUSIC

FIRST TERM

Courses for Undergraduates

MUSC 21 FUNDAMENTALS OF MUSIC I (3). Not offered to music majors. Rudimentary theory and ear-training, melody writing, harmonization, and keyboard facility. 8:00, Oehler; 11:20, Whang.

MUSC 41 MUSIC APPRECIATION: GENERAL SURVEY (3). Not offered to music majors. No prerequisite. A broad introduction to musical understanding; representative masterworks. 9:40, Finson; 11:20, Oehler.

MUSC 42 MUSIC APPRECIATION: OPERA AND ORATORIO (3). Not offered to music majors. No prerequisite. Introduction to opera, lyric theater, oratorio. Listening, lectures, readings. 9:40, Wing.

MUSC 81 THE EVOLUTION OF JAZZ (3). No prerequisite. Open to music majors for credit with permission. A study of the origins of jazz and a survey of its types and styles. 8:00, 11:20, Smith.

MUSC 89 STUDIES IN MUSIC LITERATURE: AMERICAN POPULAR SONG (3). No prerequisite. Exploration of the definition of "popular" song; examples from the 19th century to the present. Relationship between the creation of popular songs and the influence and use of the media, including radio and television. 11:20, Finson.

Courses for Graduates

MUSC 393 MASTER'S THESIS (Var.).

MUSC 394 DOCTORAL DISSERTATION (Var.).

MUSC 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

MUSC 21 FUNDAMENTALS OF MUSIC I (3). Not offered to music majors. 8:00, Reed; 9:40, Kremer.

MUSC 41 MUSIC APPRECIATION: GENERAL SURVEY (3). Not offered to music majors. 9:40, Serrins; 11:20, Reed.

Courses for Graduates

MUSC	393	MASTER'S THESIS (Var.).
MUSC	394	DOCTORAL DISSERTATION (Var.).
MUSC	400	GENERAL REGISTRATION (0).

Individual Instruction

APPLIED MUSIC COURSES

Courses in Applied Music are open to students in any department of the University. They offer training in skills, as well as study of music literature. The amount of credit awarded depends upon the student's curriculum, in keeping with different requirements, emphasis, and standards. Details of requirements and standards for each level of study in each degree plan may be requested from the department. Any student who does not meet the minimum performance requirements for a music major may enrolled for "credit not applicable to a music degree," which is designated by the suffix X.

The credit for two forty-five minute lessons per week for a summer term is as follows:

- 0.5 for nonmusic majors, music majors in an area which is not the student's main performance medium, and for A.B. music majors.
- 1.0 for B.M.Ed. majors and for in-service teachers meeting requirements for certificate renewal.
- 1.5 for M.M. candidates.
- 2.0 for B.M. performance majors.

Individual instruction courses, offered according to demand and faculty availability in the summer, are designated. Students are advised to make arrangements for individual instruction well in advance of registration.

1A	Piano	4A	Flute
1B	Organ	4B	Oboe
1C	Harpsichord	4C	Clarinet
1X-1	Piano. Credit not applicable to a music degree	4D	Saxophone
		4E	Bassoon
1X-2	Organ	4F	Recorder
2	Voice	4X	Woodwind Instrument, credit not applicable to a music degree
2X	Voice, credit not applicable to a music degree	5A	French Horn
3A	Violin	5B	Trumpet
3B	Viola	5C	Trombone
3C	Violoncello	5D	Tuba
3D	String Bass	5X	Brass Instrument, credit not applicable to music degree
3E	Harp		
3F	Guitar	6	Percussion
3X	String Instrument, credit not applicable to a music degree	6X	Percussion, credit not applicable to a music degree

Applied Music Fees

Fees for individual instruction are $75.00 a term for two forty-five minute lessons a week. Rates for use of practice pianos, organs, and practice rooms in Hill Hall will be quoted upon request.

Registration for Applied Music is held in Hill Music Hall on May 19-20 for the first summer term and on June 30-July 1 for the second term.

Musical Ensembles

SUMMER SESSION CHORUS (0 or 1). By audition. Both terms. One semester hour credit may be earned by special permission.

PHARMACY

FIRST TERM

MEDC 65 INTRODUCTION TO MEDICINAL CHEMISTRY (3). Prerequisites, Chemistry 61, 62. A lecture course designed to initiate the student into functional group classification schemes of drug molecules and to draw correlations between chemical, physical, and pharmacodynamic characteristics of drugs. 8:00, Hager.

MEDC 68 MEDICINAL CHEMISTRY (3). Prerequisites, Chemistry 62, MEDC 65 and MEDC 66 or equivalents. An introduction to the study of the chemical and physical properties of drugs and their relationships to biological activity. 9:40, Loeffler.

MEDC 141 INTRODUCTION TO RESEARCH IN MEDICINAL CHEMISTRY (1-3). Prerequisites, permission of instructor required. To be arranged. Staff.

PHAR 31 BASIC PHARMACEUTICS I (2). Prerequisite or corequisite, Pharmacy 30. Introduction to pharmaceutical dosage forms and principles of dispensing. 11:20, Mattocks.

PHAR 31L BASIC PHARMACEUTICS I LAB (1). Corequisite, Pharmacy 31. 2:00 TWTh, Mattocks.

PHAR 171 INTRODUCTION TO RESEARCH IN PHARMACY (1-3). Prerequisite, permission of instructor required. To be arranged. Staff.

PHPR 135 INTRODUCTION TO RESEARCH IN PHARMACY PRACTICE (1-3). Prerequisite, permission of instructor required. To be arranged. Staff.

SECOND TERM

MEDC 66 BIOCHEMISTRY (4). Prerequisites, MEDC 65, Chemistry 61, 62. The chemistry of biological molecules important in the processes of the living organism primarily as a basic for understanding drug action. 9:40, Piantadosi.

MEDC 142 INTRODUCTION TO RESEARCH IN MEDICINAL CHEMISTRY (1-3). Prerequisite, permission of instructor required. To be arranged. Staff.

PHAR 67 PHYSICAL PHARMACY (3). Prerequisites, Pharmacy 30 and 31; corequisite, Pharmacy 67L. A study of physicochemical principles applied to pharmacy. 11:20, Hadzija.

PHAR 67L PHYSICAL PHARMACY LABORATORY (1). Corequisite, Pharmacy 67. 2:00 TWTh, Hadzija.

PHAR 172 INTRODUCTION TO RESEARCH IN PHARMACY (1-3). Prerequisite, permission of instructor required. To be arranged. Staff.

PHPR 136 INTRODUCTION TO RESEARCH IN PHARMACY PRACTICE (1-3). Prerequisite, permission of instructor required. To be arranged. Staff.

NOTE: Courses offered by the School of Pharmacy may be canceled if there is insufficient enrollment.

PHILOSOPHY

FIRST TERM

Courses for Undergraduates

PHIL 20 MAIN PROBLEMS IN PHILOSOPHY: AN INTRODUCTION (3). 9:40, Adams.
PHIL 21 INTRODUCTORY SYMBOLIC LOGIC (3). 9:40, Grandy; 11:20, Galligan.
PHIL 22 INTRODUCTION TO ETHICS (3). 9:40, Long.
PHIL 32 PHILOSOPHY OF RELIGION (Religion 32) (3). 9:40, Rosenberg.
PHIL 48 CONTEMPORARY ISSUES AND PHILOSOPHY (3). 11:20, Lawson.

Courses for Graduates

PHIL 311 READINGS IN PHILOSOPHY (3). Staff.
PHIL 393 MASTER'S THESIS (Var.).
PHIL 394 DOCTORAL DISSERTATION (Var.).
PHIL 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

PHIL 20 MAIN PROBLEMS IN PHILOSOPHY: AN INTRODUCTION (3). 9:40, Vance; 11:20, Ziff.
PHIL 21 INTRODUCTORY SYMBOLIC LOGIC (3). 9:40, Trianosky-Stillwell; 11:20, Schlesinger.
PHIL 22 INTRODUCTION TO ETHICS (3). 9:40, Zaffron.

Courses for Graduates

PHIL 311 READINGS IN PHILOSOPHY (3). Staff.
PHIL 393 MASTER'S THESIS (Var.).
PHIL 394 DOCTORAL DISSERTATION (Var.).
PHIL 400 GENERAL REGISTRATION (0).

PHYSICAL EDUCATION

FIRST TERM

Courses for Undergraduates

Physical Education Activities Program (Coeducational) (1 credit)

PHYA 5 BALLET (1). 1:00, Richard.
PHYA 13 GOLF (1). Section 1, 9:40, Staff; Section 2, 11:20, Staff.
PHYA 19 MODERN DANCE (1). 9:40, Eilber.
PHYA 27 SWIMMING (1). Section 1, 1:00, Staff; Section 2, 2:40, Staff; Section 3, 5:00, Staff.
PHYA 29 TENNIS (1). Section 1, 8:00, Miller; Section 2, 9:40, Miller; Section 3, 11:20, Grice; Section 4, 11:20, Branch; Section 5, 1:00, Branch; Section 6, 2:40, Grice.

PHYA 35 SCUBA (1). Section 1, 9:40, Pollard; Section 2, 11:20, Pollard.
PHYE 41 PERSONAL AND COMMUNITY HEALTH (3). Section 1, 8:00, Staff; Section 2, 8:00, Carraway; Section 3, 9:40, Pomerantz; Section 4, 9:40, Carraway; Section 5, 11:20, Miller; Section 6, 11:20, Staff.
PHYE 75 ANATOMY (3). 8:00, Robinson.
PHYE 76 PHYSIOLOGY (3). 11:20, Robinson.
PHYE 77 PRINCIPLES OF PHYSICAL EDUCATION (3). Section 1, 8:00, Blyth; Section 2, 9:40, Grice.
PHYE 83 METHODS AND MATERIALS OF PHYSICAL EDUCATION IN PUBLIC SCHOOLS (3). Open only to majors in Physical Education, Education, and Recreation Administration. 9:40, Branch.
PHYE 88 SAFETY, FIRST AID, ATHLETIC INJURIES (3). 9:40, Pleasants.

Courses for Graduates and Advanced Undergraduates

PHYE 121 ADMINISTRATION OF PHYSICAL EDUCATION AND ATHLETICS IN PUBLIC SCHOOLS AND COLLEGES (3). 8:00, Allen.
PHYE 124 MOTOR LEARNING (3). 1:00, Pleasants.
PHYE 127 INTRAMURAL AND EXTRAMURAL ACTIVITIES FOR SCHOOLS AND COLLEGES (3). 9:40, Allen.
PHYE 131 SPORTS MEDICINE ANALYSIS: SPECIAL PROBLEMS (3). 9:40, Blyth.

Courses for Graduates

PHYE 341 CONTEMPORARY PROBLEMS IN PHYSICAL EDUCATION AND SPORTS (3). 11:20, Lumpkin.
PHYE 393 MASTER'S THESIS (Var.).
PHYE 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

Physical Education Activities Program (Coeducational) (1 credit)

PHYA 13 GOLF (1). Section 1, 11:20, Stroupe; Section 2, 1:00, Stroupe.
PHYA 17 JAZZ DANCING (1). Section 1, 9:40, Turner; Section 2, 11:20, Turner.
PHYA 27 SWIMMING (1). Section 1, 1:00, Jackson; Section 2, 2:40, Jackson; Section 3, 5:00, Jackson.
PHYA 27Y INTERMEDIATE SWIMMING (1). 1:00, Avery.
PHYA 29 TENNIS (1). Section 1, 8:00, Harrison; Section 2, 9:40, Harrison; Section 3, 9:40, Staff; Section 4, 11:20, Harrison; Section 5, 11:20, Staff; Section 6, 1:00, Harrison; Section 7, 2:40, Staff.
PHYE 41 PERSONAL AND COMMUNITY HEALTH (3). Section 1, 8:00, Staff; Section 2, 8:00, Stroupe; Section 3, 9:40, Newnam; Section 4, 9:40, Lovingood; Section 5, 11:20, Hyatt; Section 6, 11:20, Lovingood.
PHYE 77 PRINCIPLES OF PHYSICAL EDUCATION (3). 9:40, Hyatt.
PHYE 83 METHODS AND MATERIALS OF PHYSICAL EDUCATION IN PUBLIC SCHOOLS (3). Open to majors in Physical Education, Education, and Recreation Administration. 9:40, Mueller.

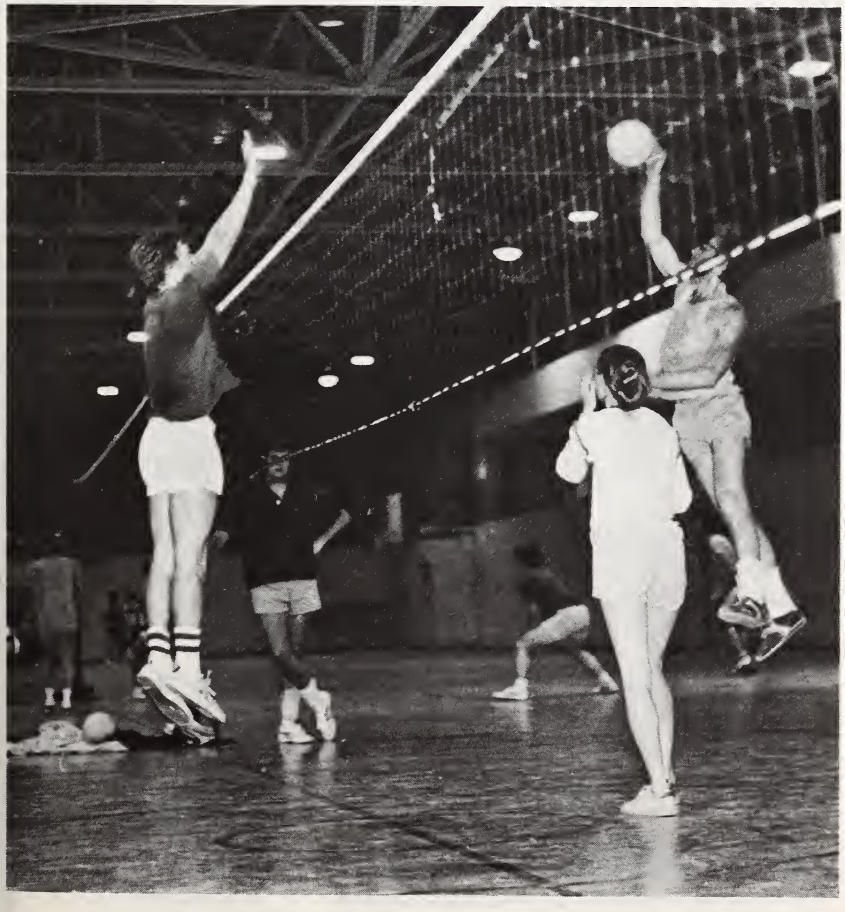
PHYE 84 HEALTH EDUCATION (3). 8:00, Mueller.
PHYE 88 SAFETY, FIRST AID, ATHLETIC INJURIES (3). Section 1, 8:00, Earey; Section 2, 9:40, McMurray; Section 3, 11:20, Earey.

Courses for Graduates and Advanced Undergraduates

PHYE 126 ADAPTED PHYSICAL EDUCATION (3). 8:00, Newnam.
PHYE 130 CARE AND PREVENTION OF ATHLETIC INJURIES (3). 11:20, Hooker.

Courses for Graduates

PHYE 220 TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION (3). 9:40, Shields.
PHYE 221 PHYSIOLOGY OF EXERCISE (3). Three lecture periods and six laboratory hours, 1:00 MWF with laboratory 2:00-5:00 TTh, McMurray.
PHYE 393 MASTER'S THESIS (Var.).
PHYE 400 GENERAL REGISTRATION (0).



PHYSICAL THERAPY

FIRST TERM

Courses for Graduates and Advanced Undergraduates

PHYT 105 DISORDERS OF DEVELOPMENT AND LEARNING IN CHILDHOOD (2). Prerequisite, permission of instructor. Interdisciplinary approach to developmental problems in children. Overview of etiological factors, diagnostic and management techniques. Lecture and discussion. Individual and group projects. Two lecture hours a week. To be arranged. Knobeloch.

PHYT 105L LABORATORY IN DISORDERS OF DEVELOPMENT AND LEARNING IN CHILDHOOD (1). Prerequisite, permission of instructor. Students enrolled in PHYT 105 have the option of registering for an additional hour of credit which requires 2 hours of observation per week in the Clinic, attendance at seminars and workshops, or observation of committee sessions, or a combination of these experiences. To be arranged. Knobeloch, Staff.

PHYT 193 FUNCTIONAL NEUROANATOMY (Anatomy 193) (3). Prerequisites, Anatomy 191, Anatomy 107 or equivalent, and permission of instructor. Study of basic structure of the brain and spinal cord, including both lecture and laboratory. To be arranged. Singleton.

PHYT 194 ADVANCED THERAPEUTIC EXERCISE (4). Prerequisite, permission of instructor. An advanced course in therapeutic exercise including theory, techniques, skills, and analytical evaluation of neurophysiological approaches to therapeutic exercise. Includes lecture and laboratory. To be arranged. Johnson.

Courses for Graduates

PHYT 290 ADVANCED KINESIOLOGY AND BIOMECHANICS (3). Prerequisites, PHYT 90 or equivalent and permission of instructor. A biomechanical and neurophysiological approach to the study of normal and pathological motion. Lecture and laboratory. To be arranged. LeVeau.

PHYT 303 PROBLEMS IN PHYSICAL THERAPY (2-3). Prerequisite, permission of instructor. Advanced study, analysis, and discussion of issues related to the practice of physical therapy. To be arranged. Staff.

PHYT 307 SEMINAR IN DISORDERS OF DEVELOPMENT AND LEARNING IN CHILDHOOD (2). Prerequisite, permission of instructor. Seminar for students with prior background in child development or related areas on interdisciplinary diagnosis and management of developmental problems in childhood. Focus on staff and student prepared case material. To be arranged. Knobeloch; DDDL Staff.

PHYT 377 READINGS IN SELECTED TOPICS IN PHYSICAL THERAPY (1-3). Prerequisite, permission of instructor. The student explores areas of special interest pertinent to his or her eventual goals in physical therapy. To be arranged. Staff.

PHYT 393 MASTER'S THESIS (Var.).

SECOND TERM

Courses for Graduates

PHYT 177 ORGANIZATION AND ADMINISTRATION OF A PHYSICAL THERAPY SERVICE (3). Prerequisite, permission of instructor. Includes materials on planning, organizing, and managing a physical therapy service in an institution or agency. Deals with personnel, facility planning, fiscal management, communication, and medical-legal aspects of service. To be arranged. Howes, Schuch.

PHYT 303 PROBLEMS IN PHYSICAL THERAPY (2-3). Prerequisite, permission of instructor. Advanced study, analysis, and discussion of issues related to the practice of physical therapy. To be arranged. Staff.

PHYT 377 READINGS IN SELECTED TOPICS IN PHYSICAL THERAPY (1-3). Prerequisite, permission of instructor. The student explores areas of special interest to his eventual goals in physical therapy. To be arranged. Staff.

PHYT 380 SEMINAR IN PHYSICAL ASPECTS OF HUMAN GROWTH AND DEVELOPMENT (2). Prerequisites, PHYT 180 or equivalent and permission of instructor. Selected topics on health related aspects of development and aging in the individual. To be arranged. Staff.

PHYT 384 ADMINISTRATIVE ASPECTS OF CLINICAL EDUCATION IN PHYSICAL THERAPY (2). Corequisite, PHYT 384L. Prerequisites, PHYT 183, Overview of Clinical Education; PHYT 177, Organization and Administration of a Physical Therapy Service or equivalent; and permission of instructor. The application of basic principles of administration pertaining to clinical education, such as: professional standards relating to students and clinical practice; medico-legal considerations; site selection; interinstitutional agreements; cost of clinical education; records and reporting; interpersonal and interdepartmental communications; and clinical faculty development. To be arranged. Schuch.

PHYT 384L LABORATORY IN ADMINISTRATIVE ASPECTS OF CLINICAL EDUCATION IN PHYSICAL THERAPY (1). Corequisite, PHYT 384. Prerequisite, permission of instructor. Offers experience with practical application of administrative elements involved in clinical education as applicable to the students, the University, and the clinical facilities. To be arranged. Staff.

PHYT 393 MASTER'S THESIS (Var.).

PHYSICS AND ASTRONOMY

FIRST TERM

Courses for Undergraduates

PHYS 24 GENERAL PHYSICS, PART I (3). Corequisites, Physics 24L and Mathematics 30 or equivalent. Physics 24 and Physics 26 may not both be taken for credit. Five lecture periods. 8:00, Rowan.

PHYS 24L GENERAL PHYSICS LABORATORY, PART I (1). Physics 24 as pre- or corequisite. Under no condition may Physics 24L precede Physics 24. Six laboratory hours to be arranged. Rowan.

PHYS 26 MECHANICS (4). Prerequisite, Mathematics 31 or permission of instructor. Mechanics of particles and rigid bodies. Newton's laws, conservation principles. Oscillatory and wave motion. Sound. Lectures M-F 9:40. Recitation W 1:00. Seven two-hour laboratory sessions during the term to be arranged. Kessemeier.

ASTR 31 DESCRIPTIVE ASTRONOMY (3). No prerequisite. Five lecture periods. 9:40, Davis.

ASTR 31L DESCRIPTIVE ASTRONOMY LABORATORY (1). Corequisite, Astronomy 31. The student must be available for night observations. Six laboratory hours per week. Staff.

PHYS 45 PHOTOGRAPHY (4). No prerequisites. Five lecture periods and four laboratory hours. 9:40 with laboratory 1:00-5:00 M, T, W, Th, or F. Haywood.

Courses for Graduates

PHYS 393 MASTER'S THESIS (Var.).
PHYS 394 DOCTORAL DISSERTATION (Var.).
PHYS 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

PHYS 25 GENERAL PHYSICS, PART II (3). Prerequisites, Physics 24 and Physics 24L (or permission). Corequisite, Physics 25L. Physics 25 and Physics 27 may not both be taken for credit. Five lecture periods. 8:00, Briscoe.

PHYS 25L GENERAL PHYSICS LABORATORY, PART II (1). Physics 25 as pre- or corequisite. Under no condition may Physics 25L precede Physics 25. Six laboratory hours to be arranged. Briscoe.

PHYS 27 ELECTROMAGNETISM AND OPTICS (4). Prerequisite, Physics 26. Physics 27 and Physics 25 may not both be taken for credit. Electricity and magnetism; Laws of Coulomb, Ampere, and Faraday. Electromagnetic oscillations and waves. Light; diffraction, and interference. Lectures M-F 9:40. Recitation W 1:00. Seven two-hour laboratory sessions during the term to be arranged. Bowers.

Courses for Graduates

PHYS 393 MASTER'S THESIS (Var.).
PHYS 394 DOCTORAL DISSERTATION (Var.).
PHYS 400 GENERAL REGISTRATION (0).

POLITICAL SCIENCE

FIRST TERM

Courses for Undergraduates

POLI 17 STUDIES IN WORLD ORDER (3). 9:40, Cioffi-Revilla.

POLI 41 INTRODUCTION TO GOVERNMENT IN UNITED STATES (3). 8:00, G. Rabinowitz; 9:40, Baloyra; 9:40, Schneider; 11:20, Cleveland.

POLI	52	INTRODUCTION TO POLITICS IN WESTERN EUROPE (3). 8:00, Gil.
POLI	61	MAJOR ISSUES IN POLITICAL THEORY (3). 9:40, Lipsitz.
POLI	65	INTRODUCTION TO NATURE AND FUNCTION OF LAW (3). 8:00, Cleveland.
POLI	66	POLITICAL PSYCHOLOGY (3). 11:20, Searing.
POLI	86	INTERNATIONAL RELATIONS IN WORLD POLITICS (3). 9:40, Obler; 11:20, Gil.
POLI	88	LAW AND ORGANIZATION IN INTERNATIONAL RELATIONS (3). 8:00, Azar.
POLI	99	INDEPENDENT STUDY IN POLITICAL SCIENCE (3). Permission of instructor. To be arranged. Beyle.

Courses for Graduates and Advanced Undergraduates

POLI	155	THE CONSTITUTION OF THE UNITED STATES (3). 9:40, Wallace.
POLI	157	CIVIL LIBERTIES UNDER THE CONSTITUTION (3). 11:20, Wallace.

Courses for Graduates

POLI	211	ADMINISTRATIVE BEHAVIOR (3). 9:40-12:10, TWF. Staff.
POLI	216	LEGAL ISSUES IN STATE/LOCAL GOVERNMENT (3). 1:30-4:00 MWTh. Lawrence.
POLI	341	SEMINAR (3). To be arranged. Beyle.
POLI	393	MASTER'S THESIS (Var.).
POLI	394	DOCTORAL DISSERTATION (Var.).
POLI	395	RESEARCH IN PUBLIC ADMINISTRATION (3). To be arranged. Staff.
POLI	400	GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

POLI	41	INTRODUCTION TO GOVERNMENT IN THE UNITED STATES (3). 8:00, Zechman; 9:40, Lee; 11:20, Black.
POLI	52	INTRODUCTION TO POLITICS IN WESTERN EUROPE (3). 8:00, Staff.
POLI	55	SOVIET GOVERNMENT (3). 9:40, Schwartz.
POLI	61	MAJOR ISSUES IN POLITICAL THEORY (3). 11:20, Kress.
POLI	62	AMERICAN POLITICAL THEORY (3). 8:00, Lienesch.
POLI	69	PERSONALITY AND POLITICAL AGGRESSION (3). 9:40, Stern.
POLI	70	PUBLIC OPINION AND POLITICAL PARTICIPATION (3). 11:20, Prothro.
POLI	86	INTERNATIONAL RELATIONS AND WORLD POLITICS (3). 9:40, Schoultz.
POLI	99	INDEPENDENT STUDY IN POLITICAL SCIENCE (3). Permission of instructor. To be arranged. Staff.

Course for Graduates and Advanced Undergraduates

POLI	101	PUBLIC ADMINISTRATION (3). 11:20, Wright.

Courses for Graduates

POLI 341 SEMINAR (3). To be arranged. Staff.
POLI 393 MASTER'S THESIS (Var.).
POLI 394 DOCTORAL DISSERTATION (Var.).
POLI 395 RESEARCH IN PUBLIC ADMINISTRATION (3). To be arranged. Staff.
POLI 400 GENERAL REGISTRATION (0).

PSYCHOLOGY

FIRST TERM

Courses for Undergraduates

PSYC 10 GENERAL PSYCHOLOGY (3). No prerequisite. Open to both freshmen and sophomores. A survey of major principles of psychology and an introduction to scientific modes of thought about behavior. Students participate in ongoing psychological research in the department. 9:40, 11:20, Staff, King.

PSYC 22 LEARNING (3). Prerequisite, Psychology 10. Open to both freshmen and sophomores. Topics in conditioning, verbal learning, memory, and problem solving. 1:00, Long.

PSYC 24 CHILD DEVELOPMENT (3). Prerequisite, Psychology 10. Open to both freshmen and sophomores. Study of the development of social and intellective behavior in normal children, and the processes which underlie this development. Emphasis is typically on theory and research. 8:00, Cairns; 9:40, Allen.

PSYC 28 PERSONALITY (3). Prerequisite, Psychology 10. Open to both freshmen and sophomores. Basic principles of personality structure, dynamics, development, assessment, and theory are discussed. Consideration is given to both environmental and biological determinants of personality. 9:40, Staff.

PSYC 30 STATISTICAL PRINCIPLES IN PSYCHOLOGICAL RESEARCH (3). Prerequisite, Psychology 10. Open to both freshmen and sophomores. Consideration of the methodological principles underlying psychological research, descriptive and inferential techniques, and the manner by which they may be employed to design psychological experiments and analyze behavioral data. 8:00, Insko; 1:00, Johnson; Laboratory, 11:20 T or Th.

PSYC 33 SOCIAL PSYCHOLOGY (3). Prerequisite, Psychology 10. Open to both freshmen and sophomores. Introductory survey of experimental, social psychology covering attitudes, interpersonal processes, and small groups. 9:40, Insko; 11:20, Staff.

PSYC 80 BEHAVIOR DISORDERS (3). Prerequisite, Psychology 10. Open to both freshmen and sophomores. Major forms of behavior disorders in children and adults, with an emphasis on description, causation, and treatment. 8:00, Sturgis; 9:40, Staff; 11:20, Staff.

Courses for Graduates and Advanced Undergraduates

PSYC 100 THINKING AND COGNITION (3). Prerequisite, Psychology 10, 21, or 22. Considers problems in concept formation, problem solving, and thinking. Emphasis will be on examination of the

experimental literature with attention to recent developments in information processing models and computer simulation. 9:40, E. Johnson.

PSYC 104 CURRENT TOPICS IN PSYCHOLOGY (3). Prerequisite, PSYC 10, 28, 80, 140, and/or permission of the instructor. Course will cover various special areas of psychological study. 1:00, Lowman.

PSYC 106 PHYSIOLOGICAL PSYCHOLOGY (Neurobiology 106B) (3). Prerequisites, Psychology 10, or a course in Zoology. Elements of neurophysiology, neuroanatomy, and neurochemistry as they apply to the understanding of behavior and conscious experience. 9:40, King.

PSYC 129 DEVELOPMENT OF SOCIAL BEHAVIOR AND PERSONALITY. (3). Prerequisites, Psychology 24, 28, and 30. Developmental processes during early childhood as these relate to social behavior and personality. 9:40, Cairns.

Courses for Graduates

PSYC 393 MASTER'S THESIS (Var.).

PSYC 394 DOCTORAL DISSERTATION (Var.).

PSYC 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

PSYC 10 GENERAL PSYCHOLOGY (3). No prerequisite. Open to both freshmen and sophomores. A survey of major principles of psychology and an introduction to scientific modes of thought about behavior. Students participate in ongoing psychological research in the department. 9:40, 11:20, Staff.

PSYC 21 SENSATION AND PERCEPTION (3). Prerequisite, Psychology 10. Open to both freshmen and sophomores. Topics in vision, audition, and the lower senses. Receptor mechanisms, psychophysical methods, and selected perceptual phenomena will be discussed. 9:40, Hollins.

PSYC 22 LEARNING (3). Prerequisite, Psychology 10. Open to both freshmen and sophomores. Topics in conditioning, verbal learning, memory, and problem solving. 8:00, Waller.

PSYC 24 CHILD DEVELOPMENT (3). Prerequisite, Psychology 10. Open to both freshmen and sophomores. Study of the development of social and intellective behavior in normal children, and the processes which underlie this development. Emphasis is typically on theory and research. 9:40, Staff.

PSYC 28 PERSONALITY (3). Prerequisite, Psychology 10. Open to both freshmen and sophomores. Basic principles of personality structure, dynamics, development, assessment, and theory are discussed. Consideration is given to both environmental and biological determinants of personality. 9:40, 11:20, Staff.

PSYC 30 STATISTICAL PRINCIPLES IN PSYCHOLOGICAL RESEARCH (3). Prerequisite, Psychology 10. Open to both freshmen and sophomores. Consideration of the methodological principles underlying psychological research, descriptive and inferential

techniques, and the manner by which they may be employed to design psychological experiments and analyze behavioral data. 9:40, Staff. Laboratory 1:00 T or Th.

PSYC 33 SOCIAL PSYCHOLOGY (3). Prerequisite, Psychology 10. Open to both freshmen and sophomores. Introductory survey of experimental, social psychology covering attitudes, interpersonal processes, and small groups. 9:40, 11:20, Staff.

PSYC 80 BEHAVIOR DISORDERS (3). Prerequisite, Psychology 10. Open to both freshmen and sophomores. Major forms of behavior disorders in children and adults, with an emphasis on description, causation, and treatment. 8:00, 9:40, Staff.

Courses for Graduates

PSYC 393 MASTER'S THESIS (Var.).

PSYC 394 DOCTORAL DISSERTATION (Var.).

PSYC 400 GENERAL REGISTRATION (0).

RADIO, TELEVISION, AND MOTION PICTURES

FIRST TERM

Courses for Undergraduates

RTVM 20 INTRODUCTION TO MASS COMMUNICATION (3). Open to freshmen and sophomores. Required of all RTVMP majors. Not open to junior and senior nonmajors. A survey of media systems and the process of mass communication in American society, to include historical, social, economic, and political dimensions. 8:00, Wallace.

RTVM 30 BASIC WRITING FOR BROADCASTING AND FILM (3). Limited to majors. Permission of the department required. The basic problems of writing for the three media, with emphasis on media characteristics as they affect the writer, the proper formats, and the types of writing for each. Students are required to demonstrate an understanding of these problems by completing a variety of practical writing assignments and by analyzing professional scripts and copy material. 11:20, Settle.

RTVM 45 BROADCASTING/FILM PROCESSES AND PROGRAMS (3). Freshman, sophomore elective, open to juniors and seniors majoring in other departments. Students majoring or expecting to major in RTVMP may not take this course after they become juniors. Works of artistic merit are studied in terms of the intentions and attainments of the artists involved in their preparation. Through texts, scripts, radio recordings, television, and motion picture films, the student becomes acquainted with the contributions made by the writer, director, performers, and other artists working in a production and becomes acquainted with their relationships. 9:40, 11:20, Merritt.

RTVM 50 INTRODUCTORY PRODUCTION TECHNIQUES AND EQUIPMENT (3). Departmental permission required. A comparative examination of radio/TV/film production techniques and equipment. 9:40, Kindem.

Courses for Graduates and Advanced Undergraduates

RTVM 130 MASS MEDIA & AMERICAN SOCIETY (3). Departmental permission required. An examination of popular films and television programs which attempts to define their processes of communication and to assess their cultural significance. Popular arts in the mass media are approached from a formal and a cultural perspective. 8:00, Kindem.

RTVM 140 EDUCATIONAL TELEVISION PRODUCTION AND INSTRUCTION (3). Prerequisite, permission of the department required. In the College of Arts and Sciences open only to Radio, Television, and Motion Picture majors. To prepare the educational television participant, including the producer-director, the classroom and studio teacher, and the curriculum coordinator for effective production of instructional materials. Current uses of television content considerations, cooperative program planning, techniques of television teaching, classroom considerations, potentials of various instructional forms, and evaluation methodology. Two lectures and two laboratory hours a week. 1:00-4:00 MTWTh, Gwyn.

RTVM 179 ADVANCED WRITING FOR BROADCASTING AND FILM (3). Offered as a three-week WRITERS WORKSHOP. Applicants must submit a script, story idea, or portion of a script by March 15 to the Department of Radio, TV, Motion Pictures, Attention: Writers Workshop, Swain Hall 044A, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27514. Admission will be determined by content and quality of scripts. Applicants will be notified April 5. Class to meet three weeks, beginning May 27. 1:00-3:00, with individual meetings at times in place of lecture sessions. Visiting Professor Tad Mosel.

Courses for Graduates

RTVM 290 SOCIAL ASPECTS OF MASS COMMUNICATION (3). Required of all graduate majors. Media of mass communication are examined for their social and cultural roles in society—for their roles in reflecting, modifying, or creating attitudes, tastes, and opinions. While emphasis is on the present, the course considers the historical development of the concept of communication and the rise of the media. 9:40, Wallace.

RTVM 393 MASTER'S THESIS (Var.).

RTVM 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

RTVM 30 BASIC WRITING FOR BROADCASTING AND FILM (3). Limited to majors. Permission of the department required. The basic problems of writing for the three media, with emphasis on media characteristics as they affect the writer, the proper formats, and the types of writing for each. Students are required to demonstrate an understanding of these by analyzing professional scripts and copy material. 9:40, Singleton.

RTVM 45 BROADCASTING/FILM PROCESSES AND PROGRAMS (3). Freshman, sophomore elective, open to juniors and seniors majoring in other departments. Students majoring or expecting to major in RTVMP may not take this course after they become juniors. Works of artistic merit are studied in terms of the intentions and attainments of the artists involved in their preparation. Through texts, scripts, radio recordings, television, and motion picture films, the student becomes acquainted with the contributions made by the writer, director, performers, and other artists working in a production and becomes acquainted with their relationships. 8:00, Singleton; 9:40, Allen.

RTVM 82 MEDIA SPEECH (Speech 32) (3). Study and practice in the fundamentals of voice and speech for radio, television, and motion pictures. Limited to majors in fine arts and speech. 11:20, Czech.

RTVM 98 TELEVISION PRODUCTION WORKSHOP. Permission of instructor required. Workshop will produce dramatic television show. Students with advanced directing to beginning production skills will be selected to form a workshop production crew. 1:00-4:00, MTWTh, Nickell.

Courses for Graduates and Advanced Undergraduates

RTVM 125 SOUNDS AND IMAGES IN THE CREATIVE PROCESS (3). Examines the expressive resources of motion pictures and television through consideration of the relationship of the physical world, ideas, and sound and image representation. 11:20, Allen.

RTVM 176 RADIO PRODUCTION ARTS (3). Prerequisites, RTVM 50 and permission of the department. Analysis and application of the principles and methods of radio production and direction. Standard and experimental program forms will be studied. Two lecture and two laboratory hours a week. 8:00, Czech.

RTVM 182 MEDIA ACTING AND PERFORMANCE (3). Permission of instructor required. Study and practice in acting and performing for Television Production Workshop. Students admitted by audition. 1:00-4:00 MTWTh, Nickell.

Courses for Graduates

RTVM 393 MASTER'S THESIS (Var.).

RTVM 400 GENERAL REGISTRATION (0).

RECREATION ADMINISTRATION

FIRST TERM

Course for Undergraduates

RECR 73 INTRODUCTION TO COMMUNITY RECREATION (3). 9:40, Meyer; 11:20, Warder.

Courses for Graduates and Advanced Undergraduates

RECR 172 RECREATION SERVICES FOR SPECIAL POPULATIONS (3). No prerequisite required. 11:20, Stein.

RECR 175a,b SUPERVISED FIELD TRAINING (3, 3). Permission of instructor; prerequisites required. To be arranged. Meyer, Stein, and Bullock.
RECR 199 RECREATION PARKS AND PUBLIC POLICY (3). No prerequisite required. 8:00-11:10 (June 11-27), Warder, Hutchison.

Courses for Graduates

RECR 370 INDEPENDENT FIELD STUDY (3). To be arranged. Staff.
RECR 371a,b INTERNSHIP (3, 3). Permission of instructor; prerequisites required. To be arranged. Staff.
RECR 393 MASTER'S THESIS (Var.).
RECR 400 GENERAL REGISTRATION (0).

SECOND TERM

Course for Undergraduates

RECR 73 INTRODUCTION TO COMMUNITY RECREATION (3). 9:40, Bullock.

Courses for Graduates and Advanced Undergraduates

RECR 173 INTRODUCTION TO GROUP DYNAMICS AND COMMUNITY LEADERSHIP (3). No prerequisite required. 11:20, Sessoms.
RECR 175a,b SUPERVISED FIELD TRAINING (3, 3). Permission of instructor; prerequisites required. To be arranged. Sessoms and Hampton.
RECR 176 LEISURE AND THE AGING (3). No prerequisite required. 9:40, Hampton.
RECR 199 COMMUNITY PROGRAMMING FOR THE HANDICAPPED (3). No prerequisite required. 8:00-11:10 (June 30-July 17). Staff.

Courses for Graduates

RECR 370 INDEPENDENT FIELD STUDY (3). To be arranged. Staff.
RECR 371a,b INTERNSHIP (3, 3). Permission of instructor; prerequisites required. To be arranged. Staff.
RECR 393 MASTER'S THESIS (Var.).
RECR 400 GENERAL REGISTRATION (0).

RELIGION

FIRST TERM

Courses for Undergraduates

RELI 22 INTRODUCTION TO NEW TESTAMENT LITERATURE (3). 11:20, Schutz.
RELI 35 INTRODUCTION TO RELIGIOUS STUDIES (3). 9:40, Peck.
RELI 37 COMPARATIVE RELIGIOUS ETHICS. ETHICS IN EXTREME SITUATIONS: PATIENTS, CAPTIVES, SURVIVORS (3). 8:00, Tyson.
RELI 84 PSYCHOLOGY OF RELIGION (3). 1:00, Peck.
RELI 97 COURSE FOR HONORS (3). To be arranged. Staff.
RELI 99/25 TOPICS IN THE STUDY OF RELIGION (3). To be arranged. Staff.

Course for Graduates and Advanced Undergraduates

RELI 199/25 INDEPENDENT STUDY (3). To be arranged. Staff.

Courses for Graduates

RELI 325 READING AND RESEARCH IN RELIGION (3). To be arranged. Staff.
RELI 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

RELI 21 INTRODUCTION TO OLD TESTAMENT LITERATURE (3). 9:40, Gitay.
RELI 39 INTRODUCTION TO RELIGION AND ART (ART 39) (3). 8:00, Dixon.
RELI 46 THE BUDDHIST TRADITION (3). 11:20, Sanford.
RELI 98 COURSE FOR HONORS (3). To be arranged. Staff.
RELI 99H TOPICS IN THE STUDY OF RELIGION (6). (See "Carolina's Study-Travel Programs Abroad" under SPECIAL FEATURES page 44.) Sasson.
RELI 99/25 TOPICS IN THE STUDY OF RELIGION (3). To be arranged. Staff.

Course for Graduates and Advanced Undergraduates

RELI 199/25 INDEPENDENT STUDY (3). To be arranged. Staff.

Courses for Graduates

RELI 325 READING AND RESEARCH IN RELIGION (3). To be arranged. Staff.
RELI 400 GENERAL REGISTRATION (0).

ROMANCE LANGUAGES

FRENCH

FIRST TERM

Courses for Undergraduates

FREN 1 ELEMENTARY FRENCH (4). 8:00 M-F, and one additional class. Staff.
FREN 3 INTERMEDIATE FRENCH (3). 8:00, Staff.
FREN 23 INTERMEDIATE CONVERSATION (3). Prerequisite, French 4 or equivalent. Emphasis on practical everyday use of the language. 9:40, de la Quérière.
FREN 95 SPECIAL TOPICS OR READINGS IN FRENCH LITERATURE (3). This course is primarily intended to be a tutorial. Topic to be agreed upon by student and member of professional staff. To be arranged. Staff.

FREN 96 UNDERGRADUATE SEMINAR IN FRENCH LITERATURE (3). Molière. An exploration of the diversity of Molière's repertory, as reflected in his key works, and the evolution of his popular and critical reputation. (This class will meet with French 330.) 9:40, Vogler.

Courses for Graduates

FREN 101X ELEMENTARY FRENCH FOR GRADUATE STUDENTS (3). Course designed for preparation for reading knowledge examination for higher degree. Passing of the examination at the end of 102X will certify that this requirement has been satisfied. 2:40, Haig.

FREN 330 SEMINAR (3). Molière. An exploration of the diversity of Molière's repertory, as reflected in his key works, and the evolution of his popular and critical reputation. 9:40, Vogler.

FREN 340 SPECIAL READINGS (Var.). To be arranged. Staff.

FREN 393 MASTER'S THESIS (Var.).

FREN 394 DOCTORAL DISSERTATION (Var.).

FREN 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

FREN 2 ELEMENTARY FRENCH (4). 8:00 M-F, and one additional class. Staff.

FREN 4 INTERMEDIATE FRENCH (3). 8:00, Staff.

FREN 40 FRENCH THEATER IN TRANSLATION (3). Representative dramatic masterpieces from the seventeenth to the twentieth century. 11:20, Daniel.

FREN 95 SPECIAL TOPICS OR READINGS IN FRENCH LITERATURE (3). This course is primarily intended to be a tutorial. Topic to be agreed upon by student and a member of professorial staff. To be arranged. Staff.

Courses for Graduates

FREN 102X ELEMENTARY FRENCH FOR GRADUATE STUDENTS (3). Course designed for preparation for reading knowledge examination for higher degree. Passing of the examination at the end of 102X will certify that this requirement has been satisfied. 2:40, Montgomery.

FREN 340 SPECIAL READINGS (Var.). To be arranged. Staff.

FREN 393 MASTER'S THESIS (Var.).

FREN 394 DOCTORAL DISSERTATION (Var.).

FREN 400 GENERAL REGISTRATION (0).

ITALIAN

FIRST TERM

Courses for Undergraduates

ITAL 1 ELEMENTARY ITALIAN (3). 9:40, Rao.

ITAL 95 SPECIAL TOPICS OR READINGS IN ITALIAN LITERATURE (3). A tutorial on a topic agreed upon by the student and a member of the faculty. To be arranged. Staff.

Courses for Graduates

ITAL 340 SPECIAL READINGS (3). To be arranged. Staff.

ITAL 393 MASTER'S THESIS (Var.).

ITAL 394 DOCTORAL DISSERTATION (Var.).

ITAL 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

ITAL 2 ELEMENTARY ITALIAN (3). 9:40, Illiano.

ITAL 95 SPECIAL TOPICS OR READINGS IN ITALIAN LITERATURE (3). A tutorial on a topic agreed upon by the student and a member of the faculty. To be arranged. Staff.

Courses for Graduates

ITAL 340 SPECIAL READINGS (3). To be arranged. Staff.

ITAL 393 MASTER'S THESIS (Var.).

ITAL 394 DOCTORAL DISSERTATION (Var.).

ITAL 400 GENERAL REGISTRATION (0).

PORTUGUESE

FIRST TERM

Courses for Undergraduates

PORT 1 ELEMENTARY PORTUGUESE (3). 9:40, Sharpe.

PORT 35 MODERN BRAZILIAN LITERATURE IN ENGLISH TRANSLATION (3). Prose, poetry, and theatre of modern Brazilian writers from Machado de Assis to present. 11:20, Clark.

PORT 95 SPECIAL TOPICS OR READINGS IN PORTUGUESE (3). A tutorial on a topic agreed upon by the student and a member of the faculty. To be arranged. Staff.

Courses for Graduates

PORT 340 SPECIAL READINGS (3). To be arranged. Staff.

PORT 393 MASTER'S THESIS (Var.).

PORT 394 DOCTORAL DISSERTATION (Var.).

PORT 400 GENERAL REGISTRATION (0).

SECOND TERM

Course for Undergraduates

PORT 2 ELEMENTARY PORTUGUESE (3). 9:40, Staff.

Courses for Graduates

PORT 340 SPECIAL READINGS (3). To be arranged. Staff.
PORT 393 MASTER'S THESIS (Var.).
PORT 394 DOCTORAL DISSERTATION (Var.).
PORT 400 GENERAL REGISTRATION (0).

SPANISH

FIRST TERM

Courses for Undergraduates

SPAN 1 ELEMENTARY SPANISH (4). 8:00 M-F, and one additional class. Staff.
SPAN 3 INTERMEDIATE SPANISH (3). 8:00, Staff.
SPAN 35 CONTEMPORARY SPANISH AMERICAN FICTION IN TRANSLATION (3). Narrative works of Borges, Cortázar, García Márquez, and other contemporary Spanish American writers. 9:40, Salgado.
SPAN 95 SPECIAL TOPICS OR READINGS IN SPANISH LITERATURE (3). Permission required. The course is primarily intended to be a tutorial. Topic to be agreed upon by students and a member of professorial staff. To be arranged. Staff.

Courses for Graduates

SPAN 340 SPECIAL READINGS (3). To be arranged. Staff.
SPAN 393 MASTER'S THESIS (Var.).
SPAN 394 DOCTORAL DISSERTATION (Var.).
SPAN 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

SPAN 2 ELEMENTARY SPANISH (4). 8:00 M-F, and one additional class. Staff.
SPAN 4 INTERMEDIATE SPANISH (3). 8:00, Staff.
SPAN 46 CERVANTES IN ENGLISH TRANSLATION (3). Study and discussion of *Don Quixote* with consideration of the *Exemplary Novels* and the background of Renaissance prose. 9:40, LoRé.
SPAN 95 SPECIAL TOPICS OR READINGS IN SPANISH LITERATURE (3). Permission required. The course is primarily intended to be a tutorial. Topic to be agreed upon by the student and a member of professorial staff. To be arranged. Staff.

Courses for Graduates

SPAN 340 SPECIAL READINGS (3). To be arranged. Staff.
SPAN 393 MASTER'S THESIS (Var.).
SPAN 394 DOCTORAL DISSERTATION (Var.).
SPAN 400 GENERAL REGISTRATION (0).

SLAVIC LANGUAGES

FIRST TERM

Course for Undergraduates

RUSS 1-2 INTENSIVE ELEMENTARY RUSSIAN (6). An intensive introductory course designed to lay foundation of grammar and to convey basic reading and pronunciation skills. Equivalent of full-year course of elementary Russian. Attendance at the laboratory is required. Lecture 8:00 to 9:30 and 11:20 to 12:50. Laboratory 3:00-5:00 M-F, Staff.

SECOND TERM

Course for Undergraduates

RUSS 3-4 INTENSIVE INTERMEDIATE RUSSIAN (6). An intensive course designed to improve knowledge of grammar, reading, and oral skills. Equivalent of full-year course of intermediate Russian. Attendance at the language laboratory is required. Lecture 8:00 to 9:30 and 11:20 to 12:50. Laboratory 3:00-5:00 M-F, Staff.

SOCIAL WORK

FIRST TERM

Courses for Graduates and Advanced Undergraduates

SOWO 106 RACISM: IMPLICATIONS FOR HUMAN SERVICES (3). TTh 8:30-12:15, McClinton.
SOWO 140 SUICIDOLOGY AND CRISIS INTERVENTION (3). TTh 1:00-4:45, King.

Courses for Graduates

SOWO 220 SOCIAL WORK PRACTICUM I (4). 8:00-5:00, Staff.
SOWO 221 SOCIAL WORK PRACTICUM II (4-6). 8:00-5:00, Staff.
SOWO 222 SOCIAL WORK PRACTICUM III (6). 8:00-5:00, Staff.
SOWO 223 SOCIAL WORK PRACTICUM IV (6). 8:00-5:00, Staff.
SOWO 230 PSYCHOPATHOLOGY OF HUMAN BEHAVIOR (3). M-Th 1:00-2:55, Saur.
SOWO 252 PLANNING AND COORDINATING FOR PROBLEM-SOLVING AND SERVICE DELIVERY (3). MW 1:00-4:45, Cohen.
SOWO 277 HUMAN RESOURCE SUPERVISION (3). MW 8:30-12:15, Cooke.
SOWO 300 SEMINAR: STUDIES IN SOCIAL WORK PROCESS (3). To be arranged. Staff.

SECOND TERM

Courses for Graduates

SOWO 221 SOCIAL WORK PRACTICUM II (4-6). 8:00-5:00, Robinette.
SOWO 222 SOCIAL WORK PRACTICUM III (6). 8:00-5:00, Robinette.
SOWO 223 SOCIAL WORK PRACTICUM IV (6). 8:00-5:00, Robinette.
SOWO 225 THEORETICAL BASES FOR SERVICES TO INDIVIDUALS, FAMILIES, AND GROUPS (3). (See SPECIAL FEATURES, page 41 for dates and further information.)
SOWO 300 SEMINAR: STUDIES IN SOCIAL WORK PROCESS (3). To be arranged. Staff.

SOCIOLOGY

Sociology 51 or Sociology 151 or permission of the instructor is a prerequisite for all courses numbered 91-199.

FIRST TERM

Courses for Undergraduates

SOCI 51 INTRODUCTION TO SOCIOLOGY (3). 9:40, 1:00, Marsden; 11:20, Staff.
SOCI 52 SOCIAL PROBLEMS (3). 1:00, Staff.
SOCI 54 POPULATION PROBLEMS (3). 11:20, Uhlenberg.
SOCI 55 CRIME AND DELINQUENCY (3). 8:00, Jones; 11:20, Staff.
SOCI 62 FAMILY AND SOCIETY (3). 9:40, Calhoun.

Course for Graduates and Advanced Undergraduates

SOCI 161 FAMILY STRUCTURE AND PROCESS (3). 8:00, Uhlenberg.

Courses for Graduates

SOCI 301 READING AND RESEARCH (3). To be arranged. Staff.
SOCI 393 MASTER'S THESIS (Var.).
SOCI 394 DOCTORAL DISSERTATION (Var.).
SOCI 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

SOCI 51 INTRODUCTION TO SOCIOLOGY (3). 8:00, 11:20, Simpson.
SOCI 52 SOCIAL PROBLEMS (3). 8:00, Landsberger.
SOCI 53 BLACK-WHITE RELATIONS IN THE UNITED STATES (3). 11:20, Hawkins.
SOCI 55 CRIME AND DELINQUENCY (3). 1:00, Eckland; 9:40, Hawkins.
SOCI 62 FAMILY AND SOCIETY (3). 9:40, Wiggins.

Course for Graduates and Advanced Undergraduates

SOCI 155 EDUCATION AND STRATIFICATION (3). 9:40, Eckland.

Courses for Graduates

SOCI 301 READING AND RESEARCH (3). To be arranged. Staff.
SOCI 393 MASTER'S THESIS (Var.).
SOCI 394 DOCTORAL DISSERTATION (Var.).
SOCI 400 GENERAL REGISTRATION (0).

SPEECH COMMUNICATION

FIRST TERM

Courses for Undergraduates

SPCH 41 ORAL INTERPRETATION (3). 9:40, Staff.
SPCH 53 FUNDAMENTALS OF COMMUNICATION (3). 8:00, Staff; 9:40, Balthrop.

Courses for Graduates and Advanced Undergraduates

SPCH 141 READERS THEATRE (4). 3:00-5:30 MWF, Long.
SPCH 156 SPEECH DEVELOPMENT IN CHILDREN (3). 11:20-2:50 MWF, Jarrard.
SPCH 159 INTRODUCTION TO COMMUNICATION DISORDERS (EDSP 143) (SPHS 183) (3). 9:30, Lubker.

Courses for Graduates

SPCH 393 MASTER'S THESIS (Var.).
SPCH 395 DIRECTED RESEARCH (Var.).

SECOND TERM

Courses for Undergraduates

SPCH 33 PUBLIC SPEAKING (3). 9:40, Staff.
SPCH 41 ORAL INTERPRETATION (3). 11:20, Staff.
SPCH 53 FUNDAMENTALS OF COMMUNICATION (3). 8:00, Brandes.

Courses for Graduates and Advanced Undergraduates

SPCH 95.1 INTERVIEWING (3). 7:00-9:30 P.M., TTh, Conrad.
SPCH 153 SOCIAL DIALECTS (3). 1:00, Brandes.
SPCH 165 SPEECH WRITING (3). 11:20, Pence.

Courses for Graduates

SPCH 393 MASTER'S THESIS (Var.).
SPCH 395 DIRECTED RESEARCH (Var.).

SPEECH AND HEARING SCIENCES

FIRST TERM

Courses for Graduates and Advanced Undergraduates

SPHS 100 MANUAL COMMUNICATION I (1-3). 4:30, Holmes.
SPHS 101 MANUAL COMMUNICATION II (1-3). 5:45, Holmes.
SPHS 173 FOUNDATION OF EDUCATION FOR THE HEARING IMPAIRED (3). To be arranged. Holmes.
SPHS 183 INTRODUCTION TO COMMUNICATION DISORDERS (EDSP 143) (SPCH 159) (3). 9:30, Lubker.

Courses for Graduates

SPHS 302 PROBLEMS IN SPEECH AND HEARING SCIENCES (1-3). To be arranged. Peters.
SPHS 303 CLINICAL PRACTICUM (1-3). To be arranged. Staff.
SPHS 330 INDEPENDENT STUDY (1-3). To be arranged. Staff.
SPHS 321 SEMINAR IN AUDIOLOGY: HEARING CONSERVATION (3). Section 4, 4:30-6:00, Wood.
SPHS 341 SEMINAR IN SPEECH PATHOLOGY: VOICE (3). Section 8, 8:00, Hadjian.
SPHS 393 MASTER'S THESIS (Var.).

SECOND TERM

Courses for Graduates

SPHS 302 PROBLEMS IN SPEECH AND HEARING SCIENCES (1-3). To be arranged. Peters.
SPHS 303 CLINICAL PRACTICUM (1-3). To be arranged. Staff.
SPHS 330 INDEPENDENT STUDY (1-3). To be arranged. Staff.
SPHS 341 SEMINAR IN SPEECH PATHOLOGY: STUTTERING (3). Section 7, 8:00, Peters.
SPHS 361 SEMINAR IN LANGUAGE AND LANGUAGE DISORDERS (3). To be arranged. Layton.

SPHS 393 MASTER'S THESIS (Var.).

STATISTICS

FIRST TERM

Courses for Undergraduates

*STAT 11 11C BASIC CONCEPTS OF STATISTICS AND DATA ANALYSIS (3). No prerequisite. Basic concepts and techniques of data analysis emphasizing the role of statistics in making inferences, predictions, and decisions from the data. 8:00, 9:40, Staff.

*STAT 12 BASIC CONCEPTS OF STATISTICS AND PROBABILITY (3). No prerequisite. An elementary introduction to probability and statistical inference. 9:40, Staff.

STAT 23 ELEMENTARY PROBABILITY AND STATISTICS FOR BUSINESS (3). Prerequisite, Mathematics 22 or 31. An introduction to probability and statistics with a special emphasis on applications in business. Handling of data, probability distributions, sampling, estimation, hypothesis testing. 9:40, 11:20, Staff.

SECOND TERM

Courses for Undergraduates

*STAT 11 11C BASIC CONCEPTS OF STATISTICS AND DATA ANALYSIS (3). No prerequisite. Basic concepts and techniques of data analysis emphasizing the role of statistics in making inferences, predictions, and decisions from the data. 9:40, Staff.

STAT 23 ELEMENTARY PROBABILITY AND STATISTICS FOR BUSINESS (3). Prerequisite, Mathematics 22 or 31. An introduction to probability and statistics with a special emphasis on applications in business. Handling of data, probability distributions, sampling, estimation; hypothesis testing. 8:00, Staff.

ZOOLOGY

FIRST TERM

Courses for Undergraduates

ZOOL 11 PRINCIPLES OF GENERAL ZOOLOGY (3). No prerequisite. Open to freshmen. Prerequisite with 11L to all other courses in Zoology. Principles, problems, and experimental methods of animal biology; basic similarities of all living organisms; organ systems and their physiology; embryology, genetics, organic evolution, ecology; survey of the major animal phyla. Five lecture periods. 9:40, DeSaix.

*Courses 11, 11C, and 12 may not be taken for credit if credit has been obtained or is being obtained concurrently for Economics 70, Psychology 30, or Statistics 23. Credit cannot be obtained for both Statistics 11 (or 11C) and Statistics 12. Statistics 11 may not be taken for credit by students with previous credit in Mathematics 22, 31, or their equivalents; such students should take STAT 11C. Statistics 23 may not be taken for credit if credit has been obtained, or is being obtained concurrently, for Economics 70 or Psychology 30.

ZOOL 11L PRINCIPLES OF GENERAL ZOOLOGY LABORATORY (1). Co-requisite, Zoology 11, or permission of the department chairman. Nine laboratory hours. 1:00-4:00 MWF, DeSaix.

Courses for Graduates and Advanced Undergraduates

ZOOL 102 ECOLOGY (See Biology 102).

ZOOL 102L ECOLOGY LABORATORY (See Biology 102L).

ZOOL 114 AVIAN BIOLOGY (3). Prerequisites, Zoology 11, 11L, or permission of the instructor. A study of avian evolution, zoogeography, migration patterns, behavior, food and feeding habits, and a survey of the families of birds of the world with emphasis on North Carolina avifauna. Five lecture periods. 9:40, Feduccia.

ZOOL 114L AVIAN BIOLOGY LABORATORY (1). Prerequisite or corequisite, Zoology 114. Avian anatomy, field biology, and a study of the birds of North Carolina. Nine laboratory hours. 1:00-3:50 MTTh, Feduccia.

ZOOL 141S SPECIAL PROBLEMS IN MARINE BIOLOGY (MASC 141S) (2-6). Introduction to research and laboratory methods in any of the special areas of instruction listed. Special areas of instruction: Malacology, Mycology, Ichthyology, Ecology. Prerequisites, Marine Sciences 104, Zoology 140S, and/or permission of instructor. Offered at Institute of Marine Sciences, Morehead City, NC. To be arranged. (May 19-June 20), Staff.

Courses for Graduates

ZOOL 300-310 RESEARCH COURSES (3 or more). Prerequisite, permission of instructor.

ZOOL 393 MASTER'S THESIS (Var.).

ZOOL 394 DOCTORAL DISSERTATION (Var.).

ZOOL 400 GENERAL REGISTRATION (0).

SECOND TERM

Courses for Undergraduates

ZOOL 11 PRINCIPLES OF GENERAL ZOOLOGY (3). No prerequisite. Open to freshmen. Prerequisite with 11L to all other courses in Zoology. Principles, problems, and experimental methods of animal biology; basic similarities of all living organisms; organ systems and their physiology; embryology, genetics, organic evolution, ecology; survey of the major animal phyla. Five lecture periods. 9:40, Hagadorn.

ZOOL 11L PRINCIPLES OF GENERAL ZOOLOGY LABORATORY (1). Co-requisite, Zoology 11 or permission of the department chairman. Nine laboratory hours. 1:00-3:50 MWF. Hagadorn.

ZOOL 45 FUNDAMENTALS OF HUMAN ANATOMY AND PHYSIOLOGY (Replaces Zoology 41) (3). Prerequisites, Zoology 11, 11L, or two courses in biological science. Basic structure and function in the human body and their explanation by principles of embryology, histology, heredity, and evolution. Five lecture periods. 9:40, Bynum.

Laboratory for Fundamentals of Human Anatomy and Physiology. See ZOOL 103L, which serves as the anatomy laboratory for Zoology 45 and for all premedical, predental, and other health affairs curricula requiring Zoology 45 with laboratory.

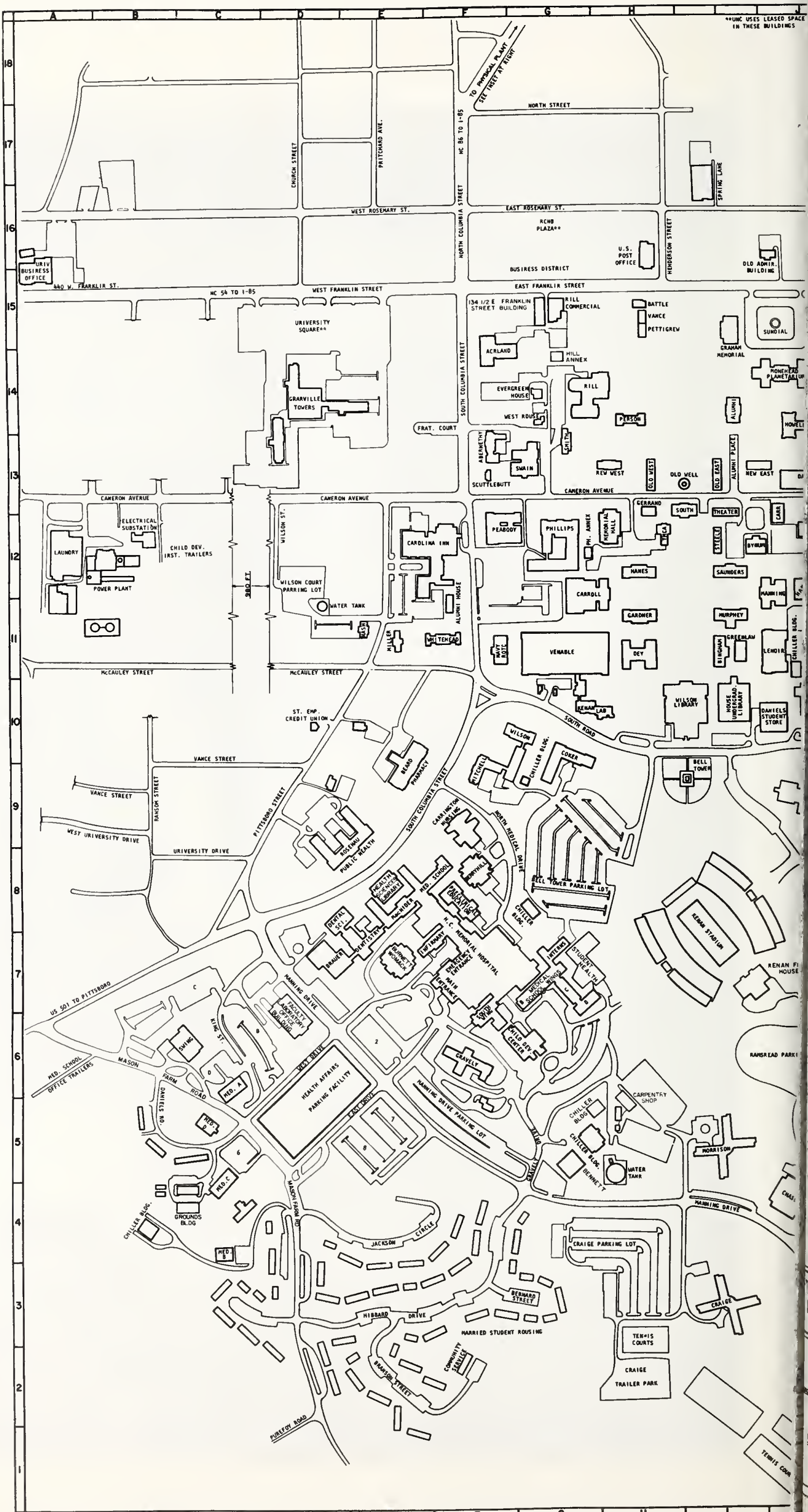
Courses for Graduates and Advanced Undergraduates

ZOOL 100 CELL BIOLOGY (See Biology 100).
ZOOL 100L CELL BIOLOGY LABORATORY (See Biology 100L).
ZOOL 101 GENETICS (See Biology 101).
ZOOL 101L GENETICS LABORATORY (See Biology 101L).
ZOOL 102 ECOLOGY (See Biology 102).
ZOOL 102L ECOLOGY LABORATORY (See Biology 102L).
ZOOL 103L VERTEBRATE STRUCTURE AND EVOLUTION LABORATORY (1). Prerequisite or corequisite, Zoology 103 or 45. Vertebrate comparative anatomy of organ systems and their evolution with emphasis on human anatomy. Nine laboratory hours. 1:00-3:50 MTTh.
ZOOL 112 VERTEBRATE FIELD ZOOLOGY (SALAMANDERS) (3). For description of course see SPECIAL FEATURES, page 43. (July 14-August 15).
ZOOL 141S SPECIAL PROBLEMS IN MARINE BIOLOGY (MASC 141S) (2-6). Introduction to research and laboratory methods in any of the special areas of instruction listed. Special areas of instruction: Malacology, Mycology, Ichthyology, Ecology. Prerequisites, Marine Sciences 104, Zoology 140S, and/or permission of instructor. Offered at Institute of Marine Sciences, Morehead City, NC. To be arranged. (June 30-August 5).
ZOOL 175 SPECIAL TOPICS (3). For description of course see SPECIAL FEATURES page 43. (July 14-August 15).

Courses for Graduates

ZOOL 240S ICHTHYOLOGY (5). Prerequisites, introductory zoology, vertebrate structure, or equivalent and permission of instructor. Five lecture and five laboratory periods a week. Offered at Institute of Marine Sciences, Morehead City, NC. (June 30-August 5). Schwartz.
ZOOL 241S TECHNIQUES FOR SAMPLING MARINE ORGANISMS (1). Corequisite, Zoology 240S or permission of instructor. Design, history, theory, and practice of equipment used in sampling marine organisms. A variety of devices will be used in field exercises. Six laboratory hours a week. Offered at Morehead City, NC. (June 30-August 5). Schwartz.
ZOOL 300-310 RESEARCH COURSES (Var.). Prerequisite, permission of instructor.
ZOOL 393 MASTER'S THESIS (Var.).
ZOOL 394 DOCTORAL DISSERTATION (Var.).
ZOOL 400 GENERAL REGISTRATION (0).

Toronto



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NC 86 TO I-85
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EAST ROSEMARY ST.
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HENDERSON STREET
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URIV BUSIRESS OFFICE
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NC 54 TO I-85
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EAST FRANKLIR STREET
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GRAHAM MEMORIAL
ACRLAND
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MONEHEAD PLANETARIUM
GRARVILLE TOWERS
SOUTH COLUMBIA STREET
EVERGREEN HOUSE
RILL
WEST ROUSE
PERSON
ALUMNI
HOWELL
FRAT. COURT
ABERNETHY
SMITH
SWAIN
SCUTTLEBUTT
REW WEST
OLD WEST
OLD WELL
OLD EAST
ALUMNI PLACE
NEW EAST
CAMERON AVENUE
GERRAND
SOUTH
THEATER
CARR
ELECTRICAL SUBSTATION
LAUNDRY
CHILD DEV. IRST. TRAILERS
POWER PLANT
WILSON ST.
980 FT.
WILSON COURT PARRING LOT
WATER TANK
RASH
CAROLINA INN
PEABODY
PHILLIPS
PH. ANNEX
MEMORIAL HALL
YMCA
STEELE
BYNUM
HANES
SAUNDERS
CARROLL
GARDNER
MURPHEY
MANNING
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BELL TOWER
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RAMSREAD PARKI
MED. SCHOOL OFFICE TRAILERS
MASON FARM ROAD
HEALTH AFFAIRS PARKING FACILITY
GRAVELY
MED. A
DANIELS RD.
EAST DRIVE
MANNING DRIVE PARKING LOT
CARPENTRY SHOP
CHILLER BLDG
MED. D
CHILLER BLDG.
GRAVELY DRIVE
WATER TANK
BENNETT
MORRISON
MED. C
GROUNDS BLDG
MASON FARM RD
MANNING DRIVE
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JACKSON CIRCLE
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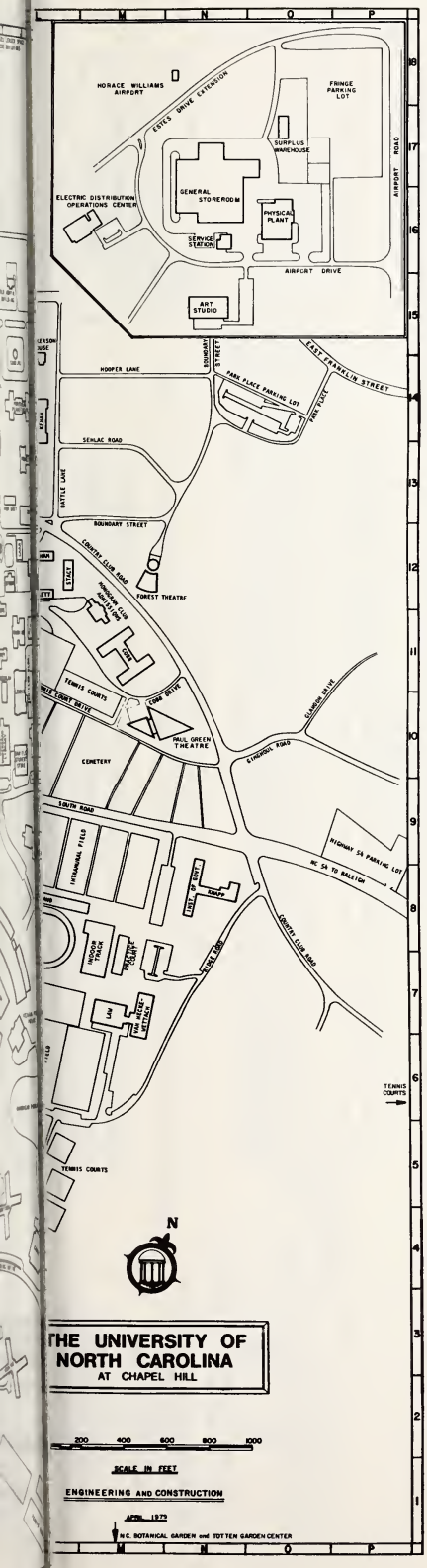

INDEX OF CAMPUS BUILDINGS

NAME	MAP REFERENCE
Abernethy (Extension Division)	F-13
Ackland Art Building and Museum	F-14
Alumni Hall (Social Work, Anthropology, Archaeology)	I-14
Alumni House (Alumni Offices)	F-11
Arboretum	K-13
Art Studio Building, Airport	N-15
Battle Hall (Personnel)	H-15
Battle Hall (Personnel, Social Work)	H-15
Bell Tower — Morehead-Patterson	I-9
Bingham Hall (Speech, English)	I-11
Boshamer Baseball Stadium	L-5
Bowman Gray Swimming Pool (in Woollen Gym)	K-9
Bynum Hall (Cashier, UNC Press, News Bureau, International Students Program)	I-12
Caldwell Hall (Philosophy, Art)	J-12
Carmichael Auditorium	L-9
Carolina Inn	F-12
Carroll Hall (Business Administration)	G-11
Chase Hall (Food Service, Health Sciences Research Center)	J-4
Chiller Building (South Side)	B-4
(NCMH)	G-5
(North Side)	G-8
(Coker-Wilson-Mitchell)	G-9
(Emerson)	J-11
Coker Hall (Botany)	G-10
Community Service Center (Married Students Housing Office)	F-2
Craige Trailer Park	H-2
Daniels Building (Student Stores, UNC Printing)	J-10
Davie Hall (Psychology)	J-13
Dey Hall (Modern Foreign Languages)	H-11
Electric Distribution Operations Center	M-16
Evergreen House (Urban Studies)	G-14
Fetzer Field	L-8
Fetzer Gymnasium	J-9
Forest Theatre	M-12
Gardner Hall (Economics)	H-11
General Storeroom	L-16
Gerrard Hall	H-12
Graham Memorial (Dramatic Art)	I-15
Graham Student Union	J-10
Greenhouse	J-13
Greenlaw Hall (English)	I-11
Grounds Building	C-4
Hamilton Hall (History, Political Science, Sociology, Campus Mail Center)	J-12
Hanes Hall (Career Planning & Placement, Records and Registration)	H-12
Hickerson House (Urban and Regional Studies)	L-14
Hill Commercial Building (Internal Auditor)	G-15
Hill Hall Annex (Music)	G-14
Hill Hall (Music)	G-14
Howell Hall (Journalism)	J-14
Indoor Track	M-7
Infirmary (Student Health Service)	F-7
Institute of Government	N-8
Intramural Field	L-9
Kenan Field House	I-7
Kenan Laboratories (Chemistry)	G-10
Kenan Stadium	I-7
Kessing Swimming Pool	K-8
Knapp Building (Institute of Government)	N-8
Laundry Plant	A-12
Law School—Van Hecke-Wettach	M-7
Lenoir Hall (AFROTC, Art, Food Service)	J-11
Library, House (Undergraduate)	I-10
Library, Wilson (Graduate)	L-10
Mail Center (in Hamilton Hall)	J-12
Manning Hall (Library Science, Institute for Research in Social Science)	J-11
Married Students Housing	E-3
Memorial Hall	H-12
Mitchell Hall (Geology)	F-9
Monogram Club (Undergraduate Admissions)	M-11
Morehead Planetarium	J-14
Morehead-Patterson Bell Tower	I-9
Murphey Hall (Classics)	I-11
Nash Hall (Testing & Guidance Services)	E-11
Naval ROTC Armory	F-11
Navy Field	L-6
N.C. Botanical Garden	M-1
New East Hall (City Planning)	I-13
New West Hall (Computer Science)	H-13
Old Administration Building (Social Work)	J-16
Old Well	I-13
Paul Green Theatre	M-10
Peabody Hall (Education)	F-12
Person Hall (Music)	H-14
Pettigrew Hall (Personnel)	H-15
Phillips Hall (Mathematics, Physics/Astronomy, Statistics, Computation Center)	G-12
Phillips Hall Annex (Reading Clinic, Office Machine Repair, Op. Res. & Sys. Anal.)	G-12
Physical Plant Building	M-16
Playmakers Theater	I-12
Police, Campus—YMCA Building	H-12
Power Plant	A-12
President's House	L-15
Saunders Hall (Geography, Religion)	I-12
Scuttlebutt (Snack Bar)	F-13
Smith Hall (Mathematics, Statistics, Alpha Phi Omega)	G-13
South Building (Administration)	I-12
State Employees' Credit Union	D-10
Steele Building (Student Affairs, Graduate School)	I-12
Student Stores—Daniels Building	J-10
Student Union—	
Frank Porter Graham	J-10
Surplus Warehouse	M-17
Swain Hall (Radio, Television and Motion Pictures, WUNC, Photo Lab)	G-13
Tennis Courts	
(Craige)	H-3
(Boshamer)	L-5
(Hinton James)	J-1
(Cobb)	L-11
(Country Club Road)	P-6
Totten Garden Center	M-1
UNC Printing (in Daniels Building)	J-10
Vance Hall (Personnel, Student Aid)	H-15
Van Hecke-Wettach Hall (Law)	M-7
Venable Hall (Chemistry, Health & Safety, Curriculum of Marine Sciences, Duplicating)	G-11
West House (Computer Science)	G-14
Wilson Hall (Zoology)	G-10
Woollen Gymnasium (Physical Education)	K-9
YMCA-YWCA Building (Traffic Office, Campus Police)	H-12

RESIDENCE HALLS

Alderman	L-14
Alexander	L-11
Avery	K-6
Aycock	L-12
Carr (University Housing Offices)	J-12
Cobb	M-11
Connor	L-10
Craige	I-3
Ehringhaus	K-4
Everett	L-12
Graham	L-12
Grimes	K-12
Hinton James	J-2
Joyner	K-11
Kenan	L-14
Lewis	L-12
McIver	L-13
Mangum	K-12
Manly	K-12
Morrison	I-5
Old East	I-13
Old West	H-13
Parker	K-6
Ruffin	K-12
Spencer	K-15
Stacy	L-12
Teague	K-7
Whitehead	F-11
Winston	K-10

HEALTH AFFAIRS

Beard Hall (Pharmacy)	E-9
Berryhill Hall (Basic Science Laboratories)	F-8
Brauer Hall (Dentistry)	D-7
Burnett-Womack (Clinical Sciences)	E-7
Carpentry Shop	H-5
Carrington Hall (Nursing)	F-9
Child Development Center - Biological	G-6
Dental Science Research	D-8
Faculty Laboratory Office Building	D-7
Gravely Building	F-6
Health Sciences Library	E-8
Hospital, N.C. Memorial	F-7
Interns' Quarters	G-7
Library	E-8
MacNider Hall (Medicine)	E-8
Med. Lab. Building "A"	C-6
Med. Lab. Building "B"	C-4
Med. Lab. Building "C"	C-4
Med. Lab. Building "D"	C-5
Medical School Wings B, C, D	G-7
Miller Hall (Health Affairs Offices)	E-11
Preclinical Education	F-8
Rosenau Hall (Public Health)	E-9
South Wing (Psychiatric)	F-6
Swing Building (Pharmecology)	C-6

UNIVERSITY BUSINESS OFFICES

440 West Franklin Street Building	A-15
Accounting - Accounts Payable, Encumbrance Control, Payroll, State Funds, Trust Funds, Travel	
Administrative Data Processing	
Budget	
Campus Utilities	
Contract Administration	
Property	
Purchasing	
Systems & Procedures	
134½ East Franklin Street Building	G-15
Engineering & Construction	
Facilities Planning	

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102 Peabody Hall - 037 A
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27514

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Print your name in the order indicated one letter or comma space per box, e.g., DOE, Peter Alan, Jr.

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Mr
Ms
LAST name (Comma) FIRST name (Comma) Middle Suffix

NAME OF PARENT OR GUARDIAN (First name first) (e.g., PETER ALAN DOE JR, JANE ANN DOE)
MR
MS

GIVE ADDRESS

STREET P.O. BOX OR RURAL ROUTE

CITY STATE ZIP CODE

YOUR PERMANENT ADDRESS (IF DIFFERENT FROM ABOVE)

STREET, P.O. BOX OR RURAL ROUTE

CITY STATE ZIP CODE

DATE OF BIRTH
MONTH DAY YEAR

SEX Check one
1 ☐ - MALE
2 ☐ - FEMALE

VETERAN STATUS Check one
1 ☐ - am a veteran
2 ☐ - not a veteran

MARITAL STATUS
☐ Single ☐ Married

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1 ☐ Citizen of the United States
2 ☐ Non-resident alien (foreign)
3 ☐ Resident alien - (hold a "green form" form I-151)
No. _____
If alien, country of citizenship _____

ETHNIC GROUP
Check one
1 ☐ - AMERICAN INDIAN or ALASKAN NATIVE
2 ☐ - ASIAN or PACIFIC ISLANDER
3 ☐ - BLACK (not of HISPANIC origin)
4 ☐ - HISPANIC (Persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish origin or culture - regardless of race)
5 ☐ - WHITE (not of Hispanic origin)

PREVIOUS ATTENDANCE AT UNC AT CHAPEL HILL

Indicate Dates	fall	spring	1st sum	2nd sum	
A First attended	☐	☐	☐	☐	yr _____
B Last attended	☐	☐	☐	☐	yr _____
	1	2	3	4	

C Did you complete your degree? ☐ Yes ☐ No.

WHERE IS YOUR LEGAL RESIDENCE?
1 County (if in North Carolina) _____
2 State (if in USA) _____
3 Country (if not in USA) _____

APPLICANT: DO NOT WRITE IN THIS COLUMN

DATE OF BIRTH M M D D Y Y
SEX VSS CSS EG MS
ORIG ENT T YY
LAST ATTEND T YY
HOME RES CODE
DEGREE LEVEL
FICE TYPE (X or G)
FICE CODE
V
APPLICATION NUMBER
SCH
CL
MAJOR
TERM COMING T YY
RES STAT
ADMIT READMIT
DEGREE INTENT Ø
ADM STAT Ø

Please circle the highest academic level completed (including current term):
High School: So. Jr. Sr. PG College Undergraduate: 1 2 3 4 5 Graduate: 1 2 3 4 5 PG
What high school did (do) you attend: (If more than one, give last).

_____ (Name of School) _____ (Address of School)

What is the highest level degree or diploma you have received?

_____ (Degree) _____ (Date Awarded) _____ (Institution Awarding Degree)

If currently a student, where are you enrolled? _____ Major _____

Do you claim N.C. residence for tuition purposes?
1. ☐ yes 2 ☐ no

Have you made application to attend U.N.C. at Chapel Hill for fall *semester*? ☐ yes ☐ no

If you have been accepted, will you enroll as
☐ Undergraduate ☐ Professional
☐ Graduate ☐ Other _____

Please indicate terms you plan to attend:
☐ First Term ☐ Second Term
☐ First Short Term ☐ Second Short Term

List the courses for which you plan to register.
(Give name and number of the courses. This indication is useful for planning purposes, but it does not commit you in any way; it *does not* constitute a registration.)
1. _____ 3 _____
2 _____ 4 _____

(If you need additional space for any item on this form, please use reverse side.)

THE HONOR SYSTEM

The University operates under a system of student self-government which is in force in the Summer Session, as it is in the regular academic year. Every student, therefore, carries the responsibility of good citizenship in student life. This responsibility includes (1) the duty to respect and uphold the honor system (specifically to refrain from cheating, stealing, lying, and to report any violations); (2) the duty to respect and uphold the campus code (specifically, to observe standards of conduct befitting a lady or a gentleman at all times).

Your signing and submitting this application will be construed as a signification by you that you understand and accept the responsibility outlined above.

DATE _____ SIGNATURE _____

(CONTINUED ON REVERSE SIDE)

PLEASE COMPLETE IN DUPLICATE

• • • •

DO NOT SUBMIT WITHOUT A SOCIAL SECURITY NO.

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

APPLICATION FOR ADMISSION TO SUMMER SESSION

STUDENTS CURRENTLY PURSUING A DEGREE PROGRAM AT UNC-CH

DO NOT COMPLETE THIS FORM

MAIL TO:
Director, Summer Session
102 Peabody Hall - 037 A
Chapel Hill, N.C.
27514

SOCIAL SECURITY NUMBER

Print your name in the order indicated .. one letter or comma space per box; e.g., DOE, Peter Alan, Jr.

YOUR NAME (e.g., DOE, PETER ALAN, JR.)

Mr
Ms.

LAST name (Comma) FIRST name (Comma) Middle Suffix

NAME OF PARENT OR GUARDIAN (First name first) (e.g., PETER ALAN DOE JR, JANE ANN DOE)

MR
MS

GIVE ADDRESS

STREET, P.O. BOX OR RURAL ROUTE

CITY STATE ZIP CODE

YOUR PERMANENT ADDRESS (IF DIFFERENT FROM ABOVE)

STREET, P.O. BOX OR RURAL ROUTE

CITY STATE ZIP CODE

DATE OF BIRTH
MONTH DAY YEAR

SEX: Check one
1 ☐ - MALE
2 ☐ - FEMALE

VETERAN STATUS Check one
1 ☐ - am a veteran
2 ☐ - not a veteran

MARITAL STATUS
☐ Single ☐ Married

WE ARE REQUIRED BY THE OFFICE OF CIVIL RIGHTS HEW TO REPORT ON CITIZENSHIP STATUS AND ETHNIC GROUP.

Check One CITIZENSHIP STATUS

1 ☐ Citizen of the United States
2 ☐ Non-resident alien (foreign)
3 ☐ Resident alien - (hold a "green form" form I-151)
No. _____
If alien, country of citizenship: _____

ETHNIC GROUP

Check one
1 ☐ - AMERICAN INDIAN or ALASKAN NATIVE
2 ☐ - ASIAN or PACIFIC ISLANDER
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PREVIOUS ATTENDANCE AT UNC AT CHAPEL HILL

Indicate Dates	fall	spring	1st sum	2nd sum	
A. First attended	☐	☐	☐	☐	yr ____
B. Last attended	☐	☐	☐	☐	yr ____
	1	2	3	4	

C. Did you complete your degree? ☐ Yes ☐ No.

WHERE IS YOUR LEGAL RESIDENCE?

1 County (if in North Carolina) _____
2 State (if in USA) _____
3 Country (if not in USA) _____

Please circle the highest academic level completed (including current term):

High School: So. Jr. Sr. PG College Undergraduate: 1 2 3 4 5 Graduate: 1 2 3 4 5 PG

What high school did (do) you attend: (If more than one, give last).

_____ (Name of School) _____ (Address of School)

What is the highest level degree or diploma you have received?

_____ (Degree) _____ (Date Awarded) _____ (Institution Awarding Degree)

If currently a student, where are you enrolled? _____ Major _____

Do you claim N.C. residence for tuition purposes?
1. ☐ yes 2. ☐ no

Have you made application to attend U.N.C. at Chapel Hill for fall semester? ☐ yes ☐ no

If you have been accepted, will you enroll as
☐ Undergraduate ☐ Professional
☐ Graduate ☐ Other _____

Please indicate terms you plan to attend:

☐ First Term ☐ Second Term
☐ First Short Term ☐ Second Short Term

List the courses for which you plan to register.
(Give name and number of the courses. This indication is useful for planning purposes, but it does not commit you in any way; it *does not* constitute a registration.)

1. _____ 3 _____
2 _____ 4. _____

(If you need additional space for any item on this form, please use reverse side.)

APPLICANT: DO NOT WRITE IN THIS COLUMN

DATE OF BIRTH MM DD YY
SEX VS CS EG MS
DRIG ENT T YY
LAST ATTEND T YY
HOME RES CODE
DEGREE LEVEL
FICE TYPE (X or G)
FICE CODE
V
APPLICATION NUMBER
SCH
C L
MAJOR
TERM COMING T YY
RES STAT
ADMIT READMIT
DEGREE INTENT Ø
ADM STAT Ø

THE HONOR SYSTEM

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Your signing and submitting this application will be construed as a signification by you that you understand and accept the responsibility outlined above.

DATE _____ SIGNATURE _____

(CONTINUED ON REVERSE SIDE)

(RSSF 12/79)

Complete this application only if Claiming North Carolina Residence for Tuition Purposes

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

INFORMATION RELATING TO CLAIMED NORTH CAROLINA RESIDENCE FOR TUITION PURPOSES

North Carolina law (G.S. 116-143.1) requires that "*To qualify for instate tuition a legal resident must have maintained his domicile in North Carolina for at least the 12 months immediately prior to his classification as a resident for tuition purposes.*" The information requested on this form must be supplied by every applicant for admission or readmission to The University of North Carolina at Chapel Hill who claims to be eligible for the N.C. tuition rate. Complete the form and return it with your application for admission. This information is to be used only in connection with determination of your residence status for tuition purposes.

The law requires that every student admitted to the University (initially or after a lapse in enrollment) be classified for the term admitted as either a resident or non-resident for tuition purposes, prior to enrollment. To be classified a resident for tuition purposes, you must furnish such evidence as the University may require to enable it to make such classification. If you claim North Carolina residence for tuition purposes, you *must* file this application promptly and before the close of the term for which you claim such residence. Otherwise, your classification in the University is non-resident for tuition purposes for your proposed term of enrollment.

ANSWER ALL QUESTIONS. PRINT OR TYPE YOUR RESPONSES.

1. Full Name _____ Social Security No. (voluntary) _____
   Last, First, Middle
2. Age _____ Date of Birth _____ Place of Birth _____ Citizenship _____
3. Current mailing address _____
   Number, Street, City, State, Zip
   until (date) _____
4. If you are married: Spouse's name _____ Date of Marriage _____
5. Father living? _____Yes No _____ . His Name _____
6. Mother living? _____Yes No _____ . Her Name _____
7. If your parents are divorced, in whose custody are/were you? _____
8. Name of court-appointed guardian (if applicable) _____
9. If you have a court-appointed legal guardian, where (place) _____
   and when (date) _____ was the appointment made?
10. Have you, your spouse or either of your parents been in active military service within the past two years? _____Yes No _____
11. Check each of the following you have ever done outside North Carolina: attended post-secondary school _____ worked _____
12. Secondary (high or preparatory) schools you attended in sequence:

	Name	Address (place & state)	Dates attended (from)	(to)
a)				
b)				

13.

	PERMANENT HOME ADDRESS	SINCE (DATE)
Yours		
Spouse		
Father		
Mother		
Guardian		

14.

	LAST ADDRESS OUTSIDE NORTH CAROLINA	FROM (DATE)	UNTIL (DATE)
Yours			
Spouse			
Father			
Mother			
Guardian			

15.

	OCCUPATION	LOCATION	SINCE (DATE)
Yours			
Spouse			
Father			
Mother			
Guardian			

16. Have you applied to any other UNC-CH admissions office to be classified a resident for tuition purposes? _____ Yes No _____
    If "yes," list each such admissions office and the term for which you most recently applied. _____

Classification? Resident ☐ Nonresident ☐ (Check one)

IF ADDITIONAL INFORMATION IS NEEDED, THE APPLICANT WILL BE NOTIFIED.

I hereby acknowledge that completion of Item I (Social Security number) is voluntary, is requested by the institution solely for administrative convenience and record-keeping accuracy, and is requested only to provide a personal identifier for the internal records of this institution.

I hereby certify that all information I have set forth herein is true to the best of my knowledge, pursuant to my reasonable inquiry where needed.

I hereby acknowledge that the institution may verify the information set forth herein from sources accessible under law to the institution but that the institution may divulge the contents of this application only as permitted under the Family Educational Rights and Privacy Act of 1974 if I am, or have been, in attendance at this institution.

_____

Signature of applicant (Parent or guardian also if applicant is under 18 years of age) Date

ENROLLMENT INFORMATION

☐ First Summer Term ☐ Short Term
☐ Second Summer Term ☐ Short Term

SUMMER SESSION OFFICE

(Social Security Number)

Please type or print plainly, and use full legal name:

Name: _____
(Last) (First) (Middle)

Home Address: _____
(Number and Street)

_____
(City) (State) (Zip Code)

MAIL TO:

CASHIER'S OFFICE
UNIVERSITY OF NORTH CAROLINA
BYNUM HALL, 008-A
CHAPEL HILL, N.C. 27514