

CATALOG
1967-1968

COVER LAY-OUT DRAWN BY MR. LEON D. WIESENER
INSTRUCTOR OF ART, PEMBROKE STATE COLLEGE

PEMBROKE STATE COLLEGE



BULLETIN
1967-1968

BOARD OF REGENTS
PUBLISHED BY THE STATE



THE STATE OF NORTH CAROLINA
1915

Pembroke State College is a fully accredited member of The Southern Association of Colleges and Secondary Schools, The Association of American Colleges, and The North Carolina College Conference.

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CALENDAR, 1967-68

September	10	Sunday, 8:00 a.m.—Dormitories Open for Freshmen
September	11	Monday, 9:00 a.m.—Freshmen Orientation Program Begins; Dormitories Open for Upperclassmen
September	12	Tuesday, 8:00 a.m.—Upperclassmen Registration
September	13	Wednesday—Freshmen Registration Begins at 8:00 a.m.
September	14	Thursday, 8:00 a.m.—Classes Begin
September	22	Friday, 5:00 p.m.—Last day to add classes or drop classes with W grade
November	21	Tuesday, 5:00 p.m.—Thanksgiving Holidays Begin
November	27	Monday, 8:00 a.m.—Classes Resume
December	11-15	Monday-Friday—Pre-registration for Spring Semester
December	19	Tuesday, 5:00 p.m.—Christmas Vacation Begins
December	20	Wednesday, 12:00 Noon—All Dormitories Close
January	2	Tuesday, 1:00 p.m.—All Dormitories Re-open
January	3	Wednesday, 8:00 a.m.—Classes Resume
January	12	Friday, 5:00 p.m.—Classes End
January	15-19	Monday-Friday—Final Examinations
January	23	Tuesday—Upperclassmen Registration for Spring Semester
January	24	Wednesday—Freshmen Registration for Spring Semester
January	25	Thursday, 8:00 a.m.—Classes Begin
February	2	Friday 5:00 p.m.—Last day to add classes or drop classes with a W grade
April	5	Friday, 5:00 p.m.—Spring Vacation Begins
April	6	Saturday, 12:00 Noon—All Dormitories Close
April	15	Monday, 1:00 p.m.—All Dormitories Open
April	16	Tuesday, 8:00 a.m.—Classes Resume
May	17	Friday, 5:00 p.m.—Classes End
May	20-24	Monday-Friday—Final Examinations
May	26	Sunday—Commencement
May	27	Monday, 12:00 Noon—All Dormitories Close

SUMMER SCHOOL

June	3	Monday, 8:00 a.m.—Registration for First Summer Session
July	8	Monday, 8:00 a.m.—Registration for Second Summer Session
August	9	Friday—End of Second Summer Session



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I. Trustees, Administration, and Faculty



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JOHN W. OXENDINE

ADMINISTRATIVE OFFICES

ENGLISH E. JONES, B.S., M.S., L.L.D. President

GEORGE E. MOORE, A.B., A.M., Ph.D. Dean of the College
and Director of Summer School

FREDERICK D. CORTNER, B.S., M.A., Ph.D. Dean of Student Affairs
and Director of Housing

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REBA M. LOWRY, B.A., M.A. Dean of Women

JASON B. LOWRY, B.A., M.A. Director of Admissions

JAMES F. HUBBARD, B.A., B.D., Th.M., M.A. Director of Student
Counseling

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TERRY R. HUTCHINS, A.B., L.L.B. Director of Institutional Research

MARJORIE KANABLE, B.S., B.S. in L.S., M.A. Librarian

LIBRARY STAFF

MARJORIE KANABLE *Head Librarian*

FRANCES COX CARNES *Assistant Librarian*

WALTER SHELDON MUSGROVE *Cataloger*

MARGY ANN HOJJATI *Library Assistant*

ADMINISTRATIVE AND SECRETARIAL STAFF

Supervisors

- HORACE BURNETTE *Superintendent of Buildings and Grounds*
- JAMES B. CHAVIS *Manager of Student Union
and Financial Aid Officer*
- REGGLE STRICKLAND *Assistant Manager of Student Union*
- FLOWERS SAMPSON *Manager of Cafeteria*
- MARK H. HUCKERIEDE *College Physician*
- VERONICA WADE, R.N. *College Nurse*
- MARIE KING *Housemother, West Hall*
- LUCY LANIER *Assistant Housemother, West Hall*

Secretaries and Business Staff

- BERTEEN PRINE *Secretary to the President*
- MAUREEN C. REGAN *Secretary to the Dean of the College*
- SHIRLEY C. PENNINGTON *Secretary to the Dean of Student Affairs*
- KATE LOCKLEAR *Secretary to the Business Manager*
- JOYCE COX *Secretary to the Registrar*
- NELL LOWRY *Secretary to the Director of Admissions*
- CARROLL P. ALFORD *Secretary to the Director of Institutional Research*
- JUANITA LOCKLEAR *Secretary to the Librarian*
- LILLIAN BREWINGTON *Office of the Registrar*
- BETTY CUMMINGS *Office of the Registrar*
- THERESA G. DECARLO *Secretary to the Manager of the Student Union*
- QUERLON CUMMINGS *Mailroom Clerk—Student Union*
- SUE ANN MAYNOR *Old Main*
- BRENDA LOWRY *Moore Hall*
- LOIS JACOBS *Locklear Hall*
- ESTHER MAYNOR *Cashier*
- CHRISTINE LOCKLEAR *Bookkeeper*
- KATHLEEN LOWRY *Assistant Bookkeeper*

THE FACULTY

CYRIL EDWARD ABBOTT, Ph.D.

1963

Professor of Biology

B.A., University of Wisconsin; M.S., Kansas State College;
Ph.D., Ohio State University

JAMES L. ALLEN, Ed.M.

1963

Assistant Professor of Mathematics

B.A.; Ed.M., University of North Carolina

GEORGE THOMAS AMMONS, B.S.; C.P.A.

1965

Instructor of Business Administration

B.S., University of North Carolina

RICHARD DOUGLAS AVERITT II, M.A.

1966

Instructor of History

B.S.; M.A., Memphis State University

CHARLES SAMUEL BARTLETT, JR.

1966

Instructor of Geology

B.S.; University of North Carolina

FREDERICK BOHRER, M.A.

1959

Assistant Professor of Music

B.A., Wagner College; M.A., New York University

ALICE S. BRANDENBURG, Ph.D.

1966

Associate Professor of English

B.A., Goucher College; M.A., Radcliffe College;
Ph.D., Radcliffe College

ROBERT FRANKLIN BRITT, M.A.

1960

Associate Professor of Biology

B.A.; M.A., University of North Carolina

WILLIAM ROBERT BULLARD, JR., M.A.
1966

Assistant Professor of History

B.A., St. Andrews Presbyterian College; M.A., University of North Carolina

LOREN LEONARD BUTLER II, M.A.
1966

Instructor of History

B.A.; M.A., University of Arkansas

AVERY JOHN BUTTERS, Ph.D.
1965

Professor of History

B.A., Passionist Fathers' Seminary; M.A., Boston College;
Ph.D., Fordham University

FRANCES COX CARNES, M.S. in L.S.
1959

Assistant Librarian

B.A., University of Texas;
B.S. in L.S.; M.S. in L.S., Columbia University

OTIS G. CARNES, Th.D.
1959

Professor of Philosophy and English

B.A., Stephen F. Austin College; B.D., Yale University;
Th.D., Boston University

R. WOODROW CASTLE, Ph.D.
1967

Professor of Economics

A.B.; M.A., West Virginia University;
Ph.D., University of Pittsburgh

CECIL CONLEY, Ph.D.
1963

Professor of Biology and Chemistry

B.S.; M.S., University of Kentucky; Ph.D., North Carolina State

NAOMI L. CONLEY, Ed.D.
1962

Associate Professor of Education

B.S., Pembroke State College; Ed.M., University of North Carolina;
Ed.D., University of Tennessee

12 FACULTY

FREDERICK DALE CORTNER, Ph.D.

1966

Associate Professor of Education

B.S., University of Utah; M.A., East Carolina College

Ph.D., University of North Carolina

EDWIN WOOTEN CRAIN, M.A.

1965

Assistant Professor of Physical Education

B.S.; M.A., Appalachian State Teachers College

LULA M. DALLMANN, M.A.

1965

Assistant Professor of Home Economics

B.S., North Texas State Teachers College; M.A., Texas State College
for Women

ADOLPH L. DIAL, Ed.M.

1958

Associate Professor of History and Political Science

B.A., Pembroke State College; Ed.M.; C.A.G.S., Boston University

EDWARD WARREN DONOVAN, M.S.

1966

Instructor of Science

B.S., Pembroke State College; M.S., Clemson University

CHRISTINA MACGREGOR DOWNES, M.A.

1966

Associate Professor of French

B.A., Glasgow University; M.A., The Sorbonne, Paris University

ALBERT DAREN DUNAVAN, M.A.

1965

Associate Professor of Speech and Drama

B. S.; M.A., University of Nebraska

JAMES BOYER EBERT, A.M.

1956

Associate Professor of Science

B.S., Louisiana State University and A. & M. College; A.M.,
Duke University

JOHN L. ENTREKIN, JR., Ed.M.

1962

Assistant Professor of Psychology

B.S.; Ed.M., University of Southern Mississippi

JAMES S. FARMER, M.A.

1957

Associate Professor of English

B.A.; M.A., University of North Carolina

MARJORIE L. FARMER, M.A.

1965

Assistant Professor of English

B.A., Tift College; M.A., University of North Carolina

JOHN M. FLOWERS, Ed.D.

1964

Professor of Chemistry

B.A.; M.S., University of Alabama; Ed.M.; Ed.D., Duke University

PAUL K. FREIWIRTH, Ph.D.

1962

Professor of History

Th.D., Atlantic Union College; M.A., Potomac University;

Ph.D., University of Maryland

LACEY E. GANE, Ed.M.

1965

Assistant Professor of Physical Education

B.A., Elon College; Ed.M., University of North Carolina

GRACE EVELYN GIBSON, M.A.

1966

Instructor of English

B.A., University of North Carolina; M.A., Duke University

ABOLMAJD HOJJATI, Ph.D.

1965

Professor of Sociology

B.A., Tehran University; M.S., Southern Illinois University;

Ph.D., St. Louis University

14 FACULTY

HOWARD ALLAN HOFFMAN, A.M.

1966

Assistant Professor of Speech

B.A., Milton College; A.M., University of Illinois

CARYL H. HOWARD, Ph.D.

1965

Professor of Chemistry

B.S., Missouri Wesleyan College; M.S., Oklahoma A&M College;
Ph.D., Rutgers University

JAMES F. HUBBARD, M.A.

1965

Associate Professor of Psychology

B.A., University of Richmond; B.D., Union Theological Seminary
Th.M., Union Theological Seminary; M.A., University of Richmond

WAYNE HAROLD HUNTER, M.A.

1966

Instructor of English

B.A., Louisiana Polytechnic Institute; M.A., University of Arkansas

JERRY J. INGRAM, M.A.

1965

Instructor of Business Administration and Economics

B.S.; M.A., University of Alabama

JAMES ARNOLD JACOBS, Ed.M.

1937

Associate Professor of Mathematics

B.S., Murrury State College; Ed.M., Duke University

DORIS BAUMANN JOHNSON, Ed.M.

1966

Instructor of Music

B.M., Syracuse University; Ed.M., The University of Buffalo

KENNETH PETRIE JOHNSON, Pe.D.

1964

Professor of Physical Education

BS., Cortland State Teachers College; Ed.M., St. Lawrence University;
Pe.D., Indiana University

EDNA FAYE JONES, M.A.

1966

Instructor of Education

B.S.; M.A., East Carolina College

ENGLISH E. JONES, L.L.D.

1956

Professor of Agriculture

B.S., University of Kentucky; M.S., North Carolina State College
L.L.D., Wake Forest College

MARJORIE KANABLE, M.A.

1942

Head Librarian

B.S., Ohio Wesleyan; B.S. in L.S.; M.A., University of Denver

KENNETH G. KERSH, Ed.D.

1961

Professor of Education

B.A., Arkansas Polytechnic College; M.Ed.; Ed.D., University of Arkansas

VEERIAH V. KOTA, Ph.D.

1965

Professor of Mathematics

B.S., Osmania University; B.S., North Carolina State College
M.S., Osmania University; M.S., Lowell Technological Institute;
Ph.D., Osmania University

MIN-CHUAN KU, Ph.D.

1965

Professor of Political Science

B.A., National Institute of Political Science, China;
M.A., University of Michigan; Ph.D., New York University

DAVID K. KUO, Ph.D.

1966

Assistant Professor of Biology

B.S., National Taiwan University; M.F.; Ph.D., University of Georgia

LOIS BARRETT LEWIS, M.A.

1963

Associate Professor of English

B.A.; M.A., University of Akron

CRISTINA P. LONG, M.S.

1965

Instructor in Home Economics

B.S., University of Santo Tomas; M.S., University of Rhode Island

REBA M. LOWRY, M.A.

1935

Associate Professor of Romance Languages

B.A., Maryville College; M.A., University of Tennessee

16 FACULTY

JEROME A. MCDUFFIE, M.A.
1965

Instructor of History
B.A., Pembroke State College; M.A., Wake Forest College

JOSEPH A. MCGIRT, M.A.
1965

Instructor of Biology
B.S., Pembroke State College; M.A., George Peabody College

DANIEL P. MCNAIR, Ed.M.
1965

Associate Professor of Physical Education
B.S., Ed.M., Alabama Polytechnic Institute

I. RUTH MARTIN, M.A.
1953

Associate Professor of Religion and Journalism
B.A., Meredith College; M.R.E., Southwestern Baptist
Theological Seminary; M.A., Emory University

MAX L. MILLER, M.A.
1962

Assistant Professor of History and Political Science
B.A.; M.A., University of Colorado

GEORGE ELLIS MOORE, Ph.D.
1966

Professor of History and Political Science
A.B., Fairmont State College; A.M.; Ph.D., West Virginia University

L. L. MURRAY, Ed.D.
1965

Professor of Education
B.A., Atlantic Christian College; M.A., East Carolina College
Ed.D., University of Florida

WALTER SHELDON MUSGROVE, M.S. in L.S.
1966

Cataloger
B.A., University of Florida; L.L.B., Blackstone School of Law
M.S. in L.S., Atlanta University

CLIFTON OXENDINE, M.A.
1939

Professor of History
B.A., McKendree College; M.A., George Peabody College

HERBERT G. OXENDINE, Ed.D.*

1953

Professor of Education

B.S., Western Carolina College; Ed.M.; Ed.D., Boston University

JOSEPH R. PEARCE, M.A.

1965

Associate Professor of Business Administration

B.S.; M.A., East Carolina College

THOMAS LLOYD PENDERGRAFT, B.S.**

1965

Instructor of History

B.S., Campbell College

RAYMOND B. PENNINGTON, Ed.M.

1963

Associate Professor of Physical Education

B.S., East Carolina College; Ed.M., University of North Carolina

FRANCIS LOUIS PFEIFER, D.M.E.

1966

A.B., Panhandle A&M College; M.A., University of Wyoming

D.M.E., Chicago Musical College of Roosevelt University

GEORGE W. POLHEMUS, M.A.

1965

Associate Professor of English

B.A.; M.A., University of Mississippi

ANDREW RANSOM, Ed.M.

1958

Associate Professor of Chemistry and Physics

B.S., Pembroke State College; Ed.M., Ohio State University

ELMA LOUISE RANSOM, M.A.

1958

Associate Professor of Music

B.S.; M.A., Ohio State University

JOSE RAMON RODRIGUEZ, Doctor En Derecho

1962

Associate Professor of Spanish

Bachiller En Letras, De La Salle; Doctor En Derecho,

Universidad of La Habana

* Deceased

** Part-Time; Director of Public Relations

18 FACULTY

D. VIRGINIA RYAN, M.S.

1964

Assistant Professor of Physical Education
B.S.; M.S., University of Southern Mississippi

GILBERT LANE SAMPSON, M.A.

1966

Instructor of Mathematics
B.S., Pembroke State College; M.A., University of Arkansas

KARL A. SCHEELE, Ph.D.

1965

Professor of Business Administration and Economics
M.A., Northwestern University; Ph.D., University of Berlin

MARIANNE S. SCHEELE, M.A.

1965

Assistant Professor of Modern Languages
B.S., Presbyterian College; M.A. Middlebury College

JANIE BRITT SILVER, Ed.D.

1960

Professor of Education
B.S.; M.B.A., University of Georgia; Ed.D., University of Mississippi

WALTER THOMAS STIGALL, M.S.

1966

Instructor of Geography
B.S.; M.S., Marshall University

LASZLO TARNOI, Doctor Iuris Universis

1966

Associate Professor of History
B.A., Madach Principal Gymnasium; B.A.; M.A., Royal Pazmany University
Doctor Iuris Universis, Royal Pazmany University

JOHN L. TARVER, M.S.

1965

Instructor of Business Administration and Economics
B.S.; M.S., University of Southern Mississippi

WILMA TATE, Ed.S.

1967

Associate Professor of Education
A.B., Lincoln Memorial University
M.A.; Ed.S., George Peabody College for Teachers

LOUIS E. TEETS, Ed.D.

1965

Associate Professor of Education
B.A., Glenville State College; M.A., West Virginia University
Ed.D., University of Florida

NORMA JEAN THOMPSON, M.A.

1963

Instructor of Business Education

B.S., Pembroke State College; M.A., Appalachian State Teachers College

BESSIE MAE WALKER, M.A.

1965

Assistant Professor of English

B.S., East Tennessee State College; M.A., George Peabody College

LEON DAVID WIESENER, M.F.A.

1966

Instructor of Art

B.A., M.F.A., Florida State University

ANNE REAVES FENNEGAN WELLS, M.A.

1960

Associate Professor of English

B.A., Coker College; M.A., East Carolina College

HAROLD N. WHITE, Ph.D.

1965

Professor of English

B.A.; M.A., University of Nebraska; Ph.D., University of Texas

VICTOR W. WOLF, M.B.A.

1958

Associate Professor of Business Administration and Economics

Handelskandidat, Siviløkonom, Norges Handelshøyskole

HOWARD WOODY, M.A.

1962

Associate Professor of Art

B.F.A., Richmond Professional Institute; M.A., East Carolina College

NICHOLAS YANNACOUREAS, Ph.D.

1966

Associate Professor of French

B.A., University of Athens; M.A.; Ph.D., University of Lausanne

JAMES EDWARD ZEMBA, M.F.A.

1966

Instructor of Art

B.S., Western Michigan University; M.F.A., Cranbrook Academy of Art

FACULTY STANDING COMMITTEES 1966-67

(The first person named serves as chairman)

COMMITTEE ON COMMITTEES:

Dr. Otis Carnes, Mr. Frederick Bohrer, Dr. Kenneth G. Kersh, Mrs. Elma Ransom, Mr. Edwin W. Crain, Mr. Adolph Dial, Mrs. Reba M. Lowry.

COMMITTEE ON ADMISSIONS AND ACADEMIC STANDARDS:

Dr. L. L. Murray, Dr. George E. Moore, Mrs. Anne Wells, Mr. Adolph Dial, Dr. John M. Flowers, Mr. Jason B. Lowry, Mr. John L. Carter, Mr. Max Miller.

COMMITTEE ON CURRICULUM:

Dr. George E. Moore, Dr. Harold N. White, Mr. Joseph Pearce, Mr. James A. Jacobs, Mr. John L. Carter, Miss Marjorie Kanable, Dr. Kenneth G. Kersh, Mrs. Elma Ransom, Dr. Otis Carnes, Dr. Cecil Conley, Mr. Adolph Dial.

COMMITTEE ON LIBRARY AND INSTRUCTIONAL MATERIALS:

Miss Marjorie Kanable, Dr. Avery Butters, Mr. Robert Britt, Dr. Kenneth P. Johnson, Mrs. Cristina Long, Mr. George Polhemus, Dr. Louis E. Teets.

COMMITTEE ON PROGRAMS:

Mr. James B. Ebert, Mrs. Doris Johnson, Mr. Howard Woody, Mr. Howard Hoffman, Miss I. Ruth Martin, Mrs. Norma Jean Thompson, Mr. Joseph A. McGirt, Mr. James A. Jacobs, Mr. Claude Thomas Martin (student), Mr. Tony Bass (student).

COMMITTEE ON RANK, PROMOTION, AND FACULTY WELFARE:

Mr. Andrew Ransom, Dr. George E. Moore, Dr. Naomi L. Conley, Mr. James Farmer, Mr. Howard Woody, Mr. Raymond B. Pennington.

COMMITTEE ON STUDENT AFFAIRS:

Dr. Frederick D. Cortner, Mr. James Hubbard, Mr. John Tarver, Mr. John Entrekin, Miss Faye Jones, Mrs. Marjorie Farmer, Mr. Frank Swinyer (student), Mr. Curtis Pierce (student) Mr. Ray Brayboy (student).

COMMITTEE ON INTER-COLLEGIATE ATHLETICS AND INTRAMURAL SPORTS:

Mr. Raymond Pennington, Mrs. Virginia Ryan, Mr. Frederick Bohrer, Mr. Albert Dunavan, Mr. Jerry Ingram, Dr. Jose Rodriguez, Mr. Lacey Gane.

II. General Information



I. GENERAL INFORMATION

HISTORICAL SKETCH

In 1887 the General Assembly of North Carolina authorized establishment of a normal school for Indians in Robeson County. This legislation, which included an appropriation of only five hundred dollars, required the local Indians to provide a building within two years on pain of having the act repealed if they failed to do so. A four-member board, composed of Robeson County Indians, was named to inaugurate the new school and guide its development.

With money raised by local subscription these trustees purchased an acre of land one mile west of Pembroke and erected thereon a two-story building with lumber and labor donated by residents of the area. W. L. Moore, a leading Indian teacher, became the first principal of the new school which opened in the Fall of 1887 with fifteen pupils. In 1889 the General Assembly increased the appropriation to one thousand dollars, and this level of support was continued for many years. In 1909 the school was removed to its present location, and in 1921 the legislature appropriated seventy-five thousand dollars to build a large, modern structure which was ready for use in 1923. This building now known as "Old Main" still stands on the front campus.

Although it had been legally designated a "normal school" from the beginning, the institution did not offer work beyond the elementary level during its early years. After its relocation in 1909 steady growth occurred, secondary and vocational courses were added, and in 1912 the first high school graduate was turned out. Two additional students completed the high school curriculum in 1914, but after that year the program languished and it was not until 1922 that a fourth person achieved high school graduation from the institution. In 1924, when the graduating class included seven members, the school was given a "standard" classification by the State High School Inspector.

Until 1926 only elementary and high school courses were offered, but in that year a normal program was inaugurated, and the phasing out of the elementary offerings was begun. In June, 1928, the first normal class was graduated, and the State Board of Education recognized the institution as a "Standard Normal School."

During these years the name of the institution underwent successive changes. First called the Croatan Normal School, it was in 1911 rechristened the Indian Normal School of Robeson County.

In 1928 the last of the elementary classes were eliminated from the curriculum and only high school and normal programs were continued. In the early 1930's college classes were initiated, and by 1938 three full years of college work were available. The high school and college branches were separated in 1939 when a fourth year of college work was added, and in June, 1940, the first college degrees were conferred. In keeping with these changes, the Legis-

lature in 1941 renamed the school Pembroke State College for Indians, and in 1949 shortened the name to Pembroke State College.

Until 1945 only Robeson County Indians were eligible for admission to Pembroke, but in that year the legislature authorized admission of Indians other than those who resided in Robeson County. In 1953 the doors were opened to such white persons as might "be approved by the Board of Trustees." Following the public school desegregation decision of the Supreme Court of the United States in 1954 the school was opened to qualified applicants without regard to race, religion, or national origin.

LOCATION

Pembroke State College occupies 42 acres located along the western edge of the town of Pembroke in Robeson County, North Carolina. It is easily accessible by automobile, being only ten miles from Interstate 95 and two miles from U.S. 74. Passenger service is available on the Atlantic Coast Line Railway and the National Trailways Bus Company. Commercial air line service is available at the Fayetteville Municipal Airport, which is approximately 30 miles from the campus.

PURPOSE

Pembroke State College exists for the purpose of providing collegiate education for the youth of North Carolina. To fulfill this purpose Pembroke offers approved programs in liberal arts, business administration, teacher education, and home economics.

ACCREDITATION

Pembroke State College is accredited by the Southern Association of Colleges and Schools, the North Carolina College Conference, and the North Carolina Department of Public Instruction.

BUILDINGS AND GROUNDS

Old Main, first occupied in 1923, contains a six-hundred seat auditorium, faculty and departmental offices, and numerous classrooms.

The Gymnasium, completed in 1940, contains classrooms and offices used by the Physical Education department as well as a basketball court and various training facilities.

Sampson Hall, completed in 1949, houses the college administration offices. It was named for Oscar R. Sampson, a long-time chairman of the College Board of Trustees.

24 BUILDINGS AND GROUNDS

Locklear Hall, opened in 1950 and named for Anderson Locklear, a leading educator of Robeson County, formerly housed the division of science. With the completion of the new science building, Locklear Hall became the home of the departments of Education and Psychology.

Moore Hall, dating from 1951, contains a three-hundred seat auditorium and classrooms, offices, and studios used by the Art, Music, and Home Economics departments. This building was named for Reverend W. L. Moore, the first teacher of the Indian normal school at Pembroke.

The President's House, completed in 1952, is located on the western side of the campus.

Home Economics Residence House, opened in 1965, is an instructional facility used for residence training of home economics majors.

The D. F. Lowry Student Center, completed in 1965, contains the mail room, student supply store, snack bar and soda fountain, and lounge and recreational areas. The center was named for Reverend D. F. Lowry, the first person to graduate from the Indian normal school.

Jacobs Hall, dating from 1961, is a men's dormitory which has a capacity of 134 students. This dormitory was named for Reverend L. W. Jacobs who served as chairman of the Board of Trustees for 35 years.

Wellons Hall, opened in 1965, is a men's dormitory with a capacity of 100 students. This structure was named for Dr. Ralph D. Wellons who served as President of the college from 1924 through 1956.

West Hall is a women's dormitory which offers accommodations to 200 students.

The Music Annex, attached to Moore Hall in 1965, contains facilities for the college band and chorus, as well as practice rooms and faculty offices.

The College Cafeteria, built in 1959, was renovated and enlarged in 1966. It is now capable of seating 300 persons in the main dining room, and 24 in a smaller room intended for use by private groups, conferences, etc.

The College Infirmary, opened in the spring of 1967, contains examination and treatment rooms, offices for the college nurse and physician, and 22 beds for treatment of in-patients.

The Mary Livermore Library, capable of housing 200,000 volumes, was completed in 1967.

The **Science Building**, completed in 1967, affords classrooms, laboratories, and offices for the departments of Biology, Physical Science, and Mathematics.

The **Maintenance Buildings** are located on the northwest corner of the campus. They contain shops, offices, and garage facilities for college vehicles.

The **Central Receiving Depot** is located beside the Maintenance Building. All deliveries of supplies and materials are received here.

III. The Admissions Process



II. THE ADMISSIONS PROCESS

REGULAR ADMISSION

Students are admitted to Pembroke State College by the Director of Admissions in accordance with policies recommended by the Faculty Committee on Admissions and Academic Standards and approved by the faculty and trustees. The admissions policy is a selective one based upon consideration of (1) College Entrance Examination Board scores, (2) high school academic record, (3) standing in high school graduating class, and (4) recommendations of guidance counselors and principals.

The following procedures must be observed by applicants:

1. Submission of a properly executed application form obtained from the Director of Admissions.
2. Submission of College Entrance Examination Board scores.
3. Submission of a properly executed medical examination form secured from the Director of Admissions.
4. Submission of official transcripts showing secondary work and high school graduation.
5. Payment of a \$5.00 application fee. This fee is non-refundable and is not applicable towards any other cost.
6. All forms and documents to support the application must be received by the Director of Admissions no later than June 30 to be considered for admission to the freshman class entering in the following September.

ADMISSION TO THE COLLEGE OPPORTUNITY PROGRAM

In 1967 Pembroke inaugurated a college opportunity program designed for certain high school graduates who do not meet the requirements for regular admission. Under this program such students are permitted to begin their college work in the summer sessions, during which time they carry certain prescribed courses. If they meet minimum academic requirements during the summer, they return to the campus at the beginning of the second semester of the academic year. Admission to this special program is on a probationary basis, and students enrolled in it are not given unconditional admission to the college until they have successfully completed both summer sessions and one full semester.

TRANSFER STUDENTS

Students who wish to transfer from other colleges or universities must be eligible to return to the institution last attended and must

have attained a 2.0 quality point average in all work attempted in the various institutions attended. Students on academic probation at the institution last attended are not eligible to enter Pembroke as transfer students. Transfer students must complete all of the steps outlined in procedures for application on page 28 and in addition must submit to the Director of Admissions complete official transcripts from all colleges or universities attended. Credit earned in other institutions is transferable to Pembroke under the following conditions:

1. Only credit earned with a grade of C or better can be transferred.
2. The credit must have been earned in an accredited school.
3. The credit must have been earned in courses equivalent to those offered at Pembroke, and must be such as can be properly fitted into the student's proposed program.

SPECIAL STUDENTS

Mature persons who wish to enroll for college classes without entering a degree program may be admitted as special students. Such special students may not later become degree candidates unless they have been admitted to the college as regular students, nor may any credit earned by a person while he is classified as a special student be applied to meet degree requirements. Persons interested in entering Pembroke as special students should ask the Director of Admissions for information and application forms.

SUMMER SCHOOL

Regular students entering Pembroke for the first time in the summer sessions as either beginning freshmen or transfer students must meet all requirements and follow all of the procedures set forth on page 28. Transient students, that is, students who are enrolled in other colleges or universities, and who are taking courses at Pembroke for transfer to their home institutions, must submit a form available in the Summer School office showing that they are in good standing in their home institution and are permitted to enroll in Pembroke by their Dean or Registrar. Admission of a transient student to the summer session does not constitute admission to the college. In-service teachers who wish to attend summer sessions must submit an application form obtainable in the Summer School Office.

PENALTY FOR FALSIFICATION

Any student who supplies false or misleading information or conceals pertinent facts in order to secure admission to Pembroke will be immediately dismissed from the college and will be ineligible to receive any credit at Pembroke State College.

IV. Academic Regulations



III. ACADEMIC REGULATIONS

CLASSIFICATION OF STUDENTS

Regular students at Pembroke are classified according to the number of semester hours they have earned in keeping with the following table:

Fewer than 32 hours	—Freshmen
32 to 64 hours	—Sophomore
65 to 95	—Junior
More than 96	—Senior

STUDENT LOAD

The normal student load is 15 to 18 hours in any one semester, and students must carry at least 12 semester hours each semester in order to be classified as full-time students. Persons whose cumulative quality point average is 3.0 or higher may be permitted to carry as many as 21 semester hours with the approval of their major adviser and the Dean of the College. Students on academic probation may not carry more than 15 semester hours in any one semester. No more than 7 semester hours may be taken during any summer session. For the purpose of computing student load, courses in which a student is enrolled as an auditor are counted.

GRADING SYSTEM

The following system of grading is employed at Pembroke:

A—Excellent	I—Incomplete
B—Good	W—Withdrawal
C—Average	WP—Withdrew Passing
D—Below Average	WF—Withdrew Failing
F—Failure	FIW—Failure because of irregular withdrawal

The “I” or incomplete grade is given when the student is unable to complete the work required because of illness or some other unavoidable circumstance, and unless removed within one semester will be recorded as an “F.”

A grade of “W” means that the student has been permitted to drop a course within the time allowed for adding courses after the beginning of a semester. The grade “W” will not be counted as a course attempted when computing quality point averages. After the time allowed for adding courses has passed, “WP” or “WF” grades will be given to those who withdraw from classes.

The grade “WP” indicates that the student has been permitted to withdraw from a course while he is doing satisfactory work. The grade “WP” will not be counted as a course attempted, and will ordinarily not be given during the final four weeks of a semester.

The grade "WF" means that a student has been permitted to withdraw from a course while his work is below passing standards. A grade of "WF" will count as a course attempted.

The grade "FIW" is given to students who withdraw from courses irregularly without observing prescribed procedures for dropping a course or withdrawing from college. The "FIW" grade will count as a course attempted.

REGISTRATION

Registration for classes is accomplished in two steps: pre-registration and final registration. During the pre-registration period students confer with their faculty advisers and prepare their class schedules for the next semester. At final registration, at the beginning of each term, they pay their fees, fill in personnel cards, and make any schedule changes which are necessary.

DROPPING AND ADDING COURSES

After a student has completed final registration his class schedule can be changed only by the drop-and-add procedure. To accomplish this the student must secure the approval of his adviser, the instructors concerned, and the Dean of the College. A drop-add form properly endorsed must be presented to the Business office and the Registrar. The period within which courses may be added or dropped with a W grade is indicated in the college calendar.

CLASS ATTENDANCE

Regular class attendance is expected of all students and excessive absences may result in failure. Authority to determine whether an absence is to be excused or unexcused is delegated to the instructor of the class, except that absences caused by personal illness, illness or death in the immediate family, or participation in a college sponsored activity are excused. The burden of establishing the cause of an absence is, however, upon the student, who must provide such information as the instructor may require.

In interpreting this regulation "immediate family" will mean parents, grandparents, brothers, and sisters; and "college sponsored activity" will include only such events as are officially sponsored by the college such as inter-collegiate athletic contests and public appearances of the band or college singers. Club activities and religious retreats are not considered as college sponsored activities.

ACADEMIC ELIGIBILITY

Academic eligibility at Pembroke is based upon the quality point average which a student earns. These points depend upon the grade received and are assigned for each semester hour of credit earned as follows:

34 HONORS

- A Grade—4 quality points
- B Grade—3 quality points
- C Grade—2 quality points
- D Grade—1 quality point
- F Grade—0 quality points

Quality point average is determined by dividing the total number of quality points earned by the total number of semester hours *attempted*. There are two different quality point computations which are important in determining the academic eligibility of a student. The first of these, known as the *cumulative quality point average*, results from dividing the total number of quality points earned at Pembroke by the total number of semester hours attempted here. The other, known as the *semester quality point average*, is obtained by dividing the total quality points earned in any given semester by the number of hours attempted during the same period. Hours for which the grades W or WP are recorded are not included as hours attempted. Credit hours earned in other institutions and transferred to Pembroke are not considered when making quality point computations.

Any student whose cumulative quality point average falls below 2.0 is automatically placed on academic probation. If during any semester in which he is on academic probation, a student fails to earn a semester quality point average of at least 2.0, he will be suspended from the college for academic deficiency. Students who have been suspended for academic deficiency may, after the lapse of one semester, apply for readmission. Such applications will be referred to the faculty committee on admissions and academic standards which will make its recommendations to the Dean of the College. Persons who have been suspended for academic deficiency, and whose cumulative quality point average is 1.5 or greater, may be permitted to attend summer school during the summer which immediately follows this suspension.

In all such cases the student must carry at least 12 semester hours in courses approved by his adviser and the Dean of the College, and must attain a quality point average of 2.0 or be permanently suspended.

Persons readmitted after a period of suspension for academic deficiency will be on academic probation and will be permanently suspended if they do not attain a quality point average of 2.0 or more during the probationary semester or semesters after readmission.

In order to receive a degree from Pembroke State College the candidate must have attained a cumulative quality point average of at least 2.0 in all work attempted at this institution.

HONORS

Students who attain a cumulative quality point average of 3.80 or higher are graduated *summa cum laude*. Those who attain a minimum cumulative quality point average of 3.50 are graduated *magna cum*

laude, and those whose cumulative quality point average is at least 3.0 are graduated *cum laude*.

DEAN'S LIST

The Dean's List, issued at the close of each semester, contains the names of students who, while carrying at least 15 semester hours, have attained a minimum semester quality point average of 3.0

REQUIREMENTS FOR GRADUATION

A minimum of 128 semester hours is required for graduation. The candidate must also meet all requirements in general education as well as those in his major and minor fields. A minimum quality point average of 2.0 in all work attempted at Pembroke is also required.

All candidates for degrees must complete a minimum of 32 semester hours in residence at Pembroke during the regular school year (not in summer school). The last semester prior to graduation must be done in residence at Pembroke. A minimum of 9 semester hours in the major field and at the upper division level must be earned at Pembroke.

No more than 20 semester hours earned in extension courses may be applied to meet the degree requirements at Pembroke, and no credit earned by correspondence will be accepted for any purpose.

Transfer Students who have completed Freshman English in other institutions, students who pass English 105 or 106 with a D grade, and those who are designated by a faculty member as deficient in English, must pass an English proficiency test administered by the English department before they are eligible to receive a degree from Pembroke.

Transfer students must take this test during their first semester at Pembroke. Others take it during the semester at whose close they will have earned 60 semester hours of college credit.

Students are responsible for making application for the degree. This application must be made on a form provided by the Registrar's office no later than the end of registration for the last semester before completion of the graduation requirements. A non-refundable graduation fee of \$10.00 must accompany this application. If the applicant fails to qualify, he must submit another application and pay another fee at the time when he later qualifies. If the student fails to submit his application in keeping with the regulations of this paragraph, he must wait until the next commencement to receive his degree.

No person may receive a degree until he has satisfied all of his financial obligations to the college. Candidates for degrees are required to attend graduation exercises. Diplomas will not be granted to those who are absent without official approval.

MISCELLANEOUS ACADEMIC REGULATIONS

Students must meet the requirements which are published in the college catalog which is currently in effect at the time they enter Pembroke. Students whose attendance at Pembroke is interrupted for more than one semester must meet the requirements published in the catalog which is in effect at the time when they resume their college studies. Any student may elect to meet the requirements specified in a catalog published subsequently to the one under which he entered, but in this case the requirements of the later catalog must be met in their entirety.

Courses completed in other accredited colleges and universities for which transfer credit is requested will be evaluated in terms of the curriculum selected at Pembroke State College. Only such courses as fit into the proposed program at Pembroke will be accepted, and all such work must have been passed with at least a C grade.

No student may receive transfer credit for more than 64 semester hours earned in a two-year college nor may any student who has attained junior status at Pembroke receive transfer credit for any work taken after that time in a two-year college.

Students will not be permitted to enroll for junior and senior courses until all required freshman courses have been completed.

Courses in which a D or F grade has been received may be repeated under the following conditions: a course in which a D grade was received may be repeated *one* time only; a course in which an F grade was received may be repeated *two* times only. Courses in which a grade of C or higher was received may not be repeated. In computing quality point averages where repetition of courses is involved, all hours attempted and honor points earned will be counted, but in such cases the credit hours earned in the course repeated will be counted only once toward meeting graduation requirements.

Fractional credit will not be granted for partial completion of any course.

Students are expected to learn the college requirements and regulations which are applicable to them, and are individually responsible for meeting all such requirements and regulations.

Before the close of each semester, the student is expected to discharge all financial obligations to the college. A student may not register for a new semester nor receive a degree, certificate, or transcript until all college bills are paid.

V. Curricula And Degrees



IV. CURRICULA AND DEGREES

Pembroke State College operates on the traditional two semester system and offers an extensive summer program designed to permit the academic acceleration of regular college students and to serve the needs of public school teachers. The summer program is divided into two sessions of five weeks each. Information concerning enrollment procedures and costs of the summer sessions may be obtained from the Director of the Summer School.

The College offers various liberal arts programs leading to the Bachelor of Arts or Bachelor of Science degree, programs for teacher certification in several fields, and a special two-year curriculum for students who intend to transfer to the School of Agriculture at North Carolina State University at Raleigh. Candidates who successfully complete the college requirements in the following fields receive the Bachelor of Arts degree:

Art	History
Economics	Political Science
English	Sociology
French	Spanish

Candidates who successfully complete the college requirements in the following fields receive the Bachelor of Science degree:

Art Education	Home Economics
Biology	Mathematics
Business Administration	Music Education
Business Education	Physical Education
Chemistry	Psychology
Elementary Education	

In 1965 the Division of Professional Services of the State Department of Public Instruction approved the following teacher certification programs at Pembroke:

- Elementary School
 - Grades 1-8

- Secondary School
 - Business Education
 - English

 - Foreign Languages
 - French
 - Spanish

 - Home Economics
 - Mathematics
 - Science
 - Social Studies

Special Subjects (Grades 1-12)

- Art
- Music
- Physical Education and Health

The two-year curriculum for students who intend to transfer to the School of Agriculture at North Carolina State is set forth below. Persons who complete this program with a quality point average of 2.0 or higher will be admitted at North Carolina State's School of Agriculture without loss of credit.

**TWO-YEAR CURRICULUM FOR TRANSFER TO N. C. STATE
OF THE UNIVERSITY OF NORTH CAROLINA AT RALEIGH
SCHOOL OF AGRICULTURE CURRICULA**

Freshman Year

Fall Semester			Credits
English	105	Composition	3
Mathematics	107	College Algebra	3
Biology	101	General Biology	4
Physical Education	101	General Physical Education	1
History	107	Western Civilization	3
Political Science	201	American Government	3
			17

Spring Semester			Credits
English	106	Composition	3
Mathematics	108	Plane Trigonometry	3
Biology	102	General Biology	4
Physical Education	102	General Physical Education	1
History	108	Western Civilization	3
Economics	201	General Economics	3
			17

Sophomore Year

Fall Semester			
English	205	World Literature	3
or			
English	329	English Literature	3
or			
Language		3
Chemistry	111	General Chemistry	4
Sociology	201	Principles of Sociology	3
Psychology	201	General Psychology	3
Geology	111	General Geology	4
Physical Education	101	General Physical Education	1
			18

40 CURRICULA AND DEGREES

Spring Semester			Credits
English	206	World Literature	3
or			
English	330	English Literature	3
or			
Language		3
Chemistry	112	General Chemistry	4
Philosophy	300	Introduction to Philosophy	3
or			
Philosophy	302	Introduction to Logic	3
Geography	201	Principles of Geography	3
or			
Music	230	Introduction to Music	3
or			
Religion	111	Origin and Background of Bible	2
Free Elective		3
Physical Education	102	General Physical Education	1
			16-17

MINIMUM GENERAL EDUCATION REQUIREMENTS

Graduation from Pembroke is based upon successful completion of the general education program required for the degree as well as the specialized programs for a major and minor.

B.A. OR B.S. DEGREE

Art 205	3 semester hours
or	
Music 230	
Lab. Science	8 semester hours
English 105-106	6 semester hours
English 205-206	6 semester hours
Foreign Language	6-12 semester hours
History 107-108	6 semester hours
Math 105 or Math 107	3 semester hours
Philosophy 300, Psychology 201 or Religion 312 or 412 ..	3 semester hours
Physical Education 101-102	2 semester hours
Health 101	1 semester hour
Social Science—any <i>two</i> of the following	6 semester hours
Anthropology	
Economics	
Geography	
Political Science	
Sociology	
TOTAL	50-56 semester hours*

Certification Requirements (subject-matter preparation)

4 hrs. Lab. Science, in addition to the regular 8 hours of Lab. Science

6 hrs. American History

Note: French or German must be taken by Science Majors

Math. 105 will not be taken by mathematics majors or science majors.

Instead they will take the mathematics course suggested by their department head.

Physical Education majors may substitute P. E. 104 in place of Health 101.

An English proficiency test is required of certain students, see page 35.

* Every student must demonstrate a speech competency either by passing a test given by the Speech Department or, if he does not pass this test, by taking Speech 101, Speech Fundamentals, 3 semester hours.

MAJORS AND MINORS

A major field of study consists of thirty semester hours earned in courses above the freshman level in a department which is approved to offer the major. At least half of the hours required for the major must be earned in upper division (junior and senior) courses. A minor consists of not less than eighteen semester hours earned in a department which is authorized to offer a minor. At least one-fourth of the hours required for the minor must be earned in upper division courses. Detailed requirements for majors and minors in the various departments are printed under the departmental headings which precede the listing of courses offered.

TEACHER CERTIFICATION PROGRAMS

ADMISSION TO THE TEACHER TRAINING PROGRAM

The Department of Education admits candidates to the teacher certification program on the basis of academic ability, personality, and general suitability for teaching. The initial screening is done before students are permitted to enroll in education courses, but a continuing evaluation of the candidate's aptitude and fitness is made at every stage of the program.

The candidate's qualifications for admission to the teacher certification program are determined when he requests permission to enroll in Education 227, Foundations of Education. To be eligible to enroll in this course the applicant must have completed at least two semesters of college work and must be in good academic standing.

THE PROFESSIONAL SEMESTER

During his senior year the candidate for teacher certification must complete a professional semester devoted entirely to professional education and student teaching. One half of this semester is devoted to accelerated classes in professional education, and the other to full-time supervised teaching in the public schools.

In order to be eligible for enrollment in the professional semester, a candidate must have completed all required general education courses, must be within one summer of graduation upon completion of the professional semester, and must not lack more than six semester hours of completing the requirements in his major field of study. He must have earned a quality point average of at least 2.0 in all work attempted at Pembroke, and at least 2.30 in his major field. Finally the candidate must present a certificate of eligibility signed by his department head and be accepted by the Department of Education.

NATIONAL TEACHERS EXAMINATION

All candidates for teacher certification in North Carolina must take the National Teachers Examination. This Examination is given at various times and places throughout the year under arrangements made by the Education Testing Service, Princeton, New Jersey. Information and application forms may be obtained from the Head of the Education Department.

VI. Student Life And Affairs



V. STUDENT LIFE AND AFFAIRS

STUDENT GOVERNMENT

The student government at Pembroke State College consists of all regularly enrolled students, a twelve member representative council, and five standing committees. The student government is concerned with the general welfare of the student body and exercises jurisdiction in certain types of disciplinary cases.

ATHLETICS

Pembroke attempts to maintain a well rounded program in both intercollegiate and intramural athletics. The college holds membership in the National Association of Intercollegiate Athletics, and fields representative teams in basketball, baseball, soccer, track, wrestling, tennis, and golf. Regular competition in several intramural sports is available to men students and the Women's Recreation Association offers college women an opportunity to participate in basketball, bowling, and volley ball.

MUSICAL ORGANIZATIONS

The College Band appears in numerous parades and festivals and offers several concerts during the academic year.

The Mixed Chorus appears on several programs during the college year.

The College Swingers specialize in popular and folk music and appear before various campus groups and local civic organizations.

RELIGIOUS ORGANIZATIONS

Student religious groups organized on the campus include the Baptist Student Union, Canterbury Club, King's Pentecostal Fellowship, Methodist Student Movement, Newman Club, Westminster Fellowship, and the Young Women's Auxiliary. During the spring semester the college observes a religious emphasis week which features lectures and discussion by outstanding personalities representing various religious denominations.

COLLEGE PUBLICATIONS

Publications include the college *Catalog* which is published annually and includes the general rules and regulations of the institution, the Faculty and Student *Handbooks* which provide detailed information to faculty and students respectively, the student newspaper known as the *Pine Needle*, and the college year book known as the *Indian-head*.

CULTURAL PROGRAMS

The Lyceum series provides a varied program of lectures and musical and dramatic productions throughout the year. Exhibitions of the work of regional and national artists are conducted continuously in Moore and Sampson Halls on a monthly rotation basis. These exhibits include paintings, sculpture, ceramics and graphic prints.

The Pembroke State College Permanent Art Collection is displayed in the Student Union. The college also sponsors an annual art contest open to college and high school students who are located within 300 miles of Pembroke, and offers exhibits of student work on a loan basis for a period of one month.

STUDENT CLUBS

The Art Club offers opportunities for art majors to work under a variety of conditions both on and off the campus.

The Business Club is open to all students majoring in Business Administration or Business Education.

Le Circle Francais provides opportunities for French conversation and the study of French, art, literature, and culture.

The Circle K Club sponsored by the Pembroke Kiwanis Club is a service organization with student membership.

The Collegiate Council for the United Nations is open to all student who are interested in international relations and world affairs.

Los Conquistadores offers to those interested in Spanish various opportunities for conversation and reading in that language.

The Euclidian Mathematics Club is open to all students interested in mathematics.

The German Club is devoted to the study of German culture and civilization.

The Home Economics Association is open to majors in this field. It engages in various projects and caters and hosts certain college functions.

The Natural Science Club is open to those interested in scientific matters. It conducts monthly seminars and sponsors field trips to various points.

The Pembroke State College Players is a dramatics organization which offers its members the opportunity to appear in plays and to engage in play production.

The Phi Sigma Chi Fraternity is a social organization dedicated to enhancing the social life on campus. Many projects are undertaken by Phi Sigma Chi each year. It also functions as a service organization.

HONORARY FRATERNITIES

Alpha Psi Omega, the national dramatics fraternity, is open to those who excel in dramatics.

Phi Epsilon Chi is a national honor fraternity open to students who achieve outstanding scholarship during their undergraduate years.

STUDENT HOUSING

At Pembroke State College we feel that student housing is an integral part of the educational program. Resident halls are considered to be more than merely places to sleep; they are "home" for a few years for many of our students.

It is our aim that resident halls provide an environment conducive to studying and an opportunity for each student to develop socially as well as academically. Our resident halls are essentially operated by the residents themselves. Especially mature, well qualified students are employed as hall counselors. These hall counselors have many duties; however, one of their primary duties is to extend the services of our Guidance Center into each room of the dormitory. Dormitory Councils, elected by the dormitory students, make the dormitories essentially self-governing.

Pembroke State College provides adequate dormitory housing for both men and women. Each room is arranged to accommodate two occupants. Each room is furnished with basic items, but residents may bring rugs, curtains, et certera. Students furnish their own study lamp, pillows, and blankets. Linen is provided by the college. Daily janitor service is provided for the building; however, each student is expected to make his bed and keep his own room in order.

Application for rooms in dormitories should be directed to the Director of Student Housing, Pembroke State College, Pembroke, North Carolina, accompanied by a reservation fee of \$25.00. Upon occupation of the room by the student, this fee will be held as a breakage deposit. This deposit is refundable at graduation, or termination of college residence, less any breakage and damage.

HOUSING FOR MEN

The college has dormitory space on campus for approximately 250 men. Currently, the college has space for approximately 32 men in an off-campus building; however, this building is considered campus housing in that residents are subject to all dormitory regulations. Vacancies in campus housing are filled first from those men living in this off-campus dormitory.

Housing for men is also available in town. The housing office maintains a list of private housing units which have been very satisfactory to our men in previous years. The housing office makes every effort to assist men in finding private housing in town when college housing is not available.

HOUSING FOR WOMEN

Currently, the college has dormitory space for 200 young ladies. Within the next two years, this capacity will be doubled. We have a

Head Dormitory Supervisor and an Assistant who live in the dormitory and who assist the young ladies in adjusting to college life.

As a matter of policy, young ladies must either live in the dormitory or commute from their homes. There is no approved off-campus housing for young ladies.

SUMMER HOUSING

Dormitory housing is available during both summer sessions at a cost of \$30.00 for each session. Students occupying dormitory rooms during summer sessions are required to purchase a minimum of four meal books at a cost of \$10.00 per book during each session.

MEAL BOOKS

All dormitory residents are required to purchase a minimum amount of \$100.00 in meal books each semester. Meal books are valid only in the academic year issued. **LOST MEAL BOOKS WILL NOT BE REPLACED BY THE COLLEGE.**

Refunds for unused meal books will be made on a prorated basis if a student withdraws officially prior to mid-semester. No refunds under any condition will be made after mid-semester.

Non-resident students may use the cafeteria.

COUNSELING SERVICES

The college maintains a counseling center dedicated to assisting students in their search for a place in our adult society. The center is especially interested in those students who are having academic difficulties; however, academic difficulties are often only the symptoms of more complex problems. Therefore, the center is also equipped to assist students in their search for vocational information and solutions to personal and social problems.

Counseling services are also carried into each dormitory room by the dormitory counselors who act as emissaries of the counseling center. Students who have "real" problems are urged to visit the center, of course.

HEALTH SERVICES

Pembroke State College is proud to present to its student body a new and modern 22 bed infirmary with 24 hour coverage and the services of a qualified physician.

DISCIPLINE

Pembroke State College is an institution for the education of young men and women who expect to take their places as responsible, trustworthy citizens of their country. It takes for granted that

48 VEHICLE REGISTRATIONS

students will not be guilty of unmanly or unwomanly conduct.

The aim of all discipline is two-fold: first, to develop self-control in the individual; and second, to protect the welfare of society.

Students who cannot or will not comply with the few and simple rules set for the student body are subject to dismissal.

The institution reserves the right to decline to register students whose past record is such as to indicate moral, scholastic, or general conduct unfitness.

All students are expected to observe the rules and live by the general codes of conduct as stated above and enumerated in the Student Handbook. Students living in the college dormitories are expected to observe the special rules applicable to dormitory students. Students living in private housing off-campus are expected to conduct themselves as responsible young men.

VEHICLE REGULATIONS

Each motor vehicle (including two-wheeled motor vehicles- driven or parked on the campus by students, faculty, and staff members must be registered in the Business Office and must display a valid official parking permit.

Students, faculty, and staff members alike are subject to the traffic rules and regulations which are enforced by the campus policemen.

VII. Student Finances



FINANCIAL AID

Financial aid is available to worthy students in the form of scholarships, campus employment, and loans. Applications for financial aid must be filed with the Financial Aid Officer on forms available in his office at least eight weeks before the beginning of the semester for which aid is requested. Grants will be made on the basis of demonstrated need and scholarship.

To be eligible to receive loans or grants, a freshman must have a minimum of 750 on the College Entrance Examination Board. An upperclassman must have a C average on all work attempted.

SCHOLARSHIPS

1. Academic Scholarships

The Alumni and friends of Pembroke State College have provided funds to aid students who show above average academic ability and who are in financial need. The awarding of these scholarships is the responsibility of the faculty scholarship and student assistance committee.

2. Lumberton Chamber of Commerce and Agriculture Scholarship Fund

This fund was established to assist worthy students, needing financial assistance, with their education at Pembroke State College. This was made possible by financial assistance from a number of Lumberton's business firms who feel that some provision should be made to assist in the higher education of worthy Robesonians who need financial assistance. The choice of those to receive the scholarships will be the responsibility of the faculty scholarship and student assistance committee. Upon certification to the Chamber of Commerce, official checks to cover the scholarships will be forwarded to the college. The only request is that the student who will be certified shall be a resident of Robeson County.

3. Athletics Scholarships

The Alumni of Pembroke State College have provided funds to aid young men who show exceptional skill in the area of inter-collegiate sports. The awarding of these scholarships is the responsibility of the coach in cooperation with the Administration of the College.

4. North Carolina Tuition Grants

Funds in the amount of \$19,000.00 annually have recently been made available to graduates of North Carolina high schools in attendance at Pembroke State. These grants are limited to basic tuition costs.

Home Economics Scholarship

5. This fund was established to provide financial assistance to students majoring in home economics at Pembroke State College. The awarding of this scholarship is the responsibility of the club adviser and the faculty members of the Home Economics Department.

LOAN FUNDS

1. National Defense Education Act Loan Fund
Capable students may borrow money from this fund. Loan awards to freshmen are made on the basis of College Entrance Examination Board Scores and indicated need. Loan awards to upperclassmen are based upon their previous records and upon need. These awards, issued as loans, actually become scholarships if the recipient teaches anywhere in continental United States or its possessions. For each year of teaching service, one-half year's loan is exempted from payment.
2. North Carolina State Scholarship Loan Fund for Prospective Teachers. Students desiring loans of this type should make application to the North Carolina State Department of Education, Raleigh, North Carolina. This fund provides \$350.00 per year to aid prospective teachers.
3. College Foundations, Incorporated
The banks of North Carolina have formed the College Foundation to act as a single lending agency in this state. Residents of North Carolina may borrow up to \$1,000.00 per academic year from this foundation with endorsement of the college. Under the Higher Education Act of 1965, the government will pay the interest on these loans up to 6 per cent on the principal while the student borrower is in college and 3 per cent on the principal while the borrower is repaying the loan after leaving college. Applications are secured from the college.
4. Memorial Emergency Loan Fund
This is a \$1,000.00 revolving loan fund. This fund was established through the efforts of Mr. Lacy Maynor, former Judge of Records Court.
5. Home Demonstration Club Loan Fund
This is a \$1,000.00 revolving loan fund. This fund was established through the efforts of Mrs. Helen Sampson, Home Demonstration Agent.
6. Herbert G. Oxendine Memorial Loan Fund
This fund was established by friends of the late Dr. Herbert G. Oxendine who for many years taught at Pembroke State College. Because of Dr. Oxendine's great interest in education and Pembroke State College, it was the desire of his many friends to establish a fund in his name to aid students in furthering their education.

7. James Fulton Lowry Memorial Loan Fund

This fund was established in memory of one of Pembroke's business leaders. Mr. Lowry, for many years president of the Pembroke State College Alumni Association, desired that every student who wanted to further his education be given the opportunity.

STUDENT EMPLOYMENT

1. Many job opportunities are available to students desiring financial aid. These positions are with the library, cafeteria, telephone switchboard, administrative and departmental offices, and laboratories. The pay rate is \$1.25 per hour.
2. Under the Work-Study Program of the Economic Opportunities Act of 1964 employment is available to students who have very limited financial resources for the purpose of aiding them with college expenses. These jobs provide learning opportunities as well as financial aid. The pay rate for these jobs is \$1.25 per hour.

VETERANS

Veterans and veteran dependents who are receiving financial support from the National Government may obtain information and advice from the office of the Dean of Student Affairs.

STUDENT FEES

It is the policy of the administration and trustees to keep the cost of a college education as low as possible. The fees now in effect are, however, subject to change without notice. Since Pembroke is maintained by the people of North Carolina for the education of residents of this State, it is available to them at less cost than to non-residents. The residency status of each student is determined at the time of original admission in accordance with the following rules.

1. If he has graduated from or last attended a North Carolina high school and claims North Carolina residency, the student will be presumed to be a *bona fide* resident of the State unless information to the contrary is received. If such information is received, the student will be required to submit to the Business Manager in writing satisfactory proof of his North Carolina residency.
2. If he has graduated or last attended a high school located outside the State of North Carolina, the student will be presumed to be an out-of-state student. If, under these circumstances the student wishes to claim North Carolina residency, he must make such claim in writing to the Business Manager and supply satisfactory proof to support his claim.

LIST OF FEES

Application Fee	\$ 5.00
This fee is paid at the time of initial application, is non-refundable, and cannot be applied to meet any other charges	
Graduation Fee	10.00
This fee must be paid at the time when the student makes application for graduation. It is used to pay the rental of cap and gown and the cost of the diploma.	
Registration Fee	8.00
This fee must be paid at the time of registration each semester.	
Late Registration Fee	5.00
Students who register for classes after the scheduled registration date has passed must pay this fee.	
Change of Course Fee	2.00
Students who voluntarily drop or add courses after the first day of classes in any semester must pay this fee.	
Tuition	
North Carolina residents	75.00
Out-of-State residents	250.00
Student who carry fewer than 10 hours in any semester are charged at the rate of \$7.50 per hour for North Carolina residents and \$25.00 per hour for non-residents.	
Activity Fee	18.00
This fee, paid by all students each semester, is used to support student activities such as athletics, band, dramatics, newspaper, yearbooks, etc.	
General Fee	5.00
This fee must be paid each semester. It goes to maintain laboratory, library, and other special instructional facilities.	
Health and Accident Insurance	7.00
Protection begins 48 hours before the official opening of the regular school session and ends 48 hours after its official close. The insurance covers X-rays, laboratory costs, hospital bills, and nurses, phy-	

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sicians, and surgeons fees. More detailed information may be obtained from the college nurse.

Medical	7.00
Room (Per Semester)	70.00
Board	100.00
Dormitory residents are required to purchase a minimum of 10 meal books at \$10.00 per book. Persons not residing in the dormitory may purchase meal books if they so desire.	
Linen	10.00
Vehicle Registration Fee	1.00

SUMMER FEES

Registration	4.00
Tuition (Per semester hour)	
North Carolina residents	7.50
Non-Residents	25.00
General Fee	5.00
Medical Fee	1.00
Room	30.00
Board (Four meal books)	40.00
Linen	3.00

REFUND POLICY

If a student officially withdraws from college during a regularly scheduled registration period, he will receive a full refund of tuition and fees, except for the registration fee. After the end of the registration period, refunds will not be made unless the withdrawal is caused by physical incapacity attested by a physician's certificate. No refunds can be made after mid-semester.

VIII. Courses Of Instruction



DEPARTMENTS

ART

Head: HOWARD WOODY

Leon D. Wiesener

James E. Zemba

The department of art fulfills an ever-increasing need by contributing to the cultural life and experience of the whole College, as well as providing many opportunities for the artistic, intellectual, and spiritual development of those who have chosen a fine art as a professional goal. Art develops an understanding and an appreciation of beauty in everyday life. The art department provides the gifted student with a professional foundation as an artist and as a teacher. Major and Minor Requirements:

B.S. MAJOR: This program offers certification in public school art teaching.

A student graduating from this program should have a working knowledge of the different art areas and the ability to help others in their art attempts. The senior student is expected to exhibit a display of his art works from his area of study.

B.S. REQUIREMENTS:

22 semester hours of lower level art studios: 100, 101, 102, 105, 107, 111, 132, 133, 151. (All freshman classes, which are open to art majors, are required. Required freshman classes are not counted towards an Art Major.)

B.S. ART MAJOR REQUIREMENTS:

6 semester hours, Advanced History of Art
 9 semester hours, one area of advanced art studio
 9 semester hours, Art Education (307, 308, and 405)
 6 semester hours, Art Electives

A student taking the B.S. art major and the introductory art courses, in effect, takes a major in general art and a minor in studio art. Whenever possible, a student should take an academic minor as well. CERTIFICATION REQUIREMENTS FOR A SPECIAL SUBJECT AREA IN ART (Grades 1-12) are fulfilled by the classes listed above.

A.B. MAJOR: This program offers the student a foundation for his art judgment and taste. Graduates of this program might be expected to either practice their art or continue in graduate study. Before graduating from this program a senior would be expected to prepare and display an exhibition of his art work from his area of concentration. The College may also be expected to retain, temporarily, a few examples of each student's work.

A.B. REQUIREMENTS:

22 semester hours of lower level art studios: 100, 101, 102, 105, 107, 111, 132, 133, 151. (All freshman classes, which are open to art majors, are required. Required freshman classes are not counted towards an Art Major.)

A.B. ART MAJOR REQUIREMENTS:

6 semester hours, Advanced History of Art

12 semester hours. Area of Concentration: Sculpture, Ceramics, or Painting

9 semester hours, Area of Secondary Interest: Sculpture, Ceramics, Painting, or Commercial Art.*

3 semester hours, Art Electives

REQUIREMENTS FOR A STUDIO MINOR IN ART:

Art 101, 102, 132 and the introduction course and two advanced courses in one art area. (Ceramics, painting or sculpture).

REQUIREMENTS FOR A GENERAL STUDIO MINOR IN ART:

Art 101, 102, 132, 133 and six elective semester hours in art.

REQUIREMENTS FOR AN ART HISTORY AND THEORY MINOR:

Art 200, 300, 400 and fifteen hours of 300 or 400 Art History courses. (A.B. studio art majors may minor in art history and theory with the permission of the department head. These majors may substitute the required art history courses in the A.B. major with art electives.)

100, 200, 300, 400. Art Theory

An introductory analysis of ancient and recent theories of Art. Each course number to compare and relate different theories, such as art and reality, art as intuition, imitation, and experience. A directed readings and seminar course, which can be repeated under different course number. Fall, Spring; one recitation weekly. Credit, 1 semester hour.

101. Two-dimensional Design

A study and application of design principles in creative two-dimensional projects in line, value, color and texture. Fall; three double laboratory periods weekly. Credit, 3 semester hours. (Required of all majors and minors.)

102. Three-dimensional Design

Prerequisite: Art 101

A study and application of design principles in creative three-dimensional projects in mass and space using various materials. Spring; three double laboratory periods weekly. Credit, 3 semester hours. (Required of all majors and minors.)

103. Introduction to Design

An introductory course aimed at studying the elements of two-dimen-

* Special commercial art projects can be taken on an individual basis under 301, 302, 401, 402.

sional design. Fall; three double laboratory periods weekly. Credit, 3 semester hours. (Not open to art majors and minors.)

105. Introduction to Sculpture

A survey course aimed at studying the problems of mass and space in sculpture. Beginning projects in the head and figure will be explored. Fall, spring; three double laboratory periods weekly. Credit, 3 semester hours per semester.

107. Art Anatomy

A study of the bone and muscular structure of the figure and their relationships to the external surface of the human body. Special emphasis will be placed on figure drawing in various media. Fall, spring; two double laboratory periods weekly. Credit, 2 semester hours.

111. Introduction to Ceramics

A survey course aimed at studying techniques applied in the making of ceramic ware. Fall, spring; three double laboratory periods weekly. Credit, 3 semester hours.

132. Introduction to Drawing

Introduction to fundamentals of visual form and structure in different linear media. Creative expression and interpretation stressed. Fall, spring; three double laboratory periods weekly. Credit, 3 semester hours.

133. Introduction to Painting

Introduction to fundamentals of visual form, picture structure, and plastic use of color. Creative expression and interpretation stressed. Fall, spring; three double laboratory period weekly. Credit, 3 semester hours.

151. Lettering

An introduction to calligraphy and the techniques of one stroke brush lettering, speedball pen and constructed lettering, spacing and their application in graphic layout. Fall, spring; one double laboratory period weekly. Credit, 1 semester hour.

205. History and Appreciation of Art

To establish an understanding of art, to develop an appreciation for the relation between art and man, and to study art in a cultural environment. Fall, spring; three recitations weekly. Credit, 3 semester hours. (Cannot be applied towards a major or minor in art. Art majors may substitute an advanced art history class for this one.)

250. Advertising Design

Prerequisite: Art 151

An introduction to applied lettering, layout, and story illustration. Fall, spring; two double laboratory periods weekly. Credit, 2 semester hours.

301, 302. Advanced Design

Prerequisite: Art 101-102.

Advanced specialized problems in two or three-dimensional art forms. Fall, spring; three double laboratory periods weekly. Credit, 3 or 6 semester hours.

307. Art Education in the Public School

A study of arts and crafts as an integral part of teaching in the elementary and secondary grades. Acquaintances with various tools and media for two and three-dimensional creative art work. A special emphasis placed on the philosophy of teaching art to children. Fall, spring; three double laboratory periods weekly. Credit, 3 semester hours. Required of all elementary majors.

308. Public School Art Curriculum

A study of the origins and development of Public School Art Curriculum in relationship to the development of arts and crafts as a one-subject field in general education. An exploration into the methods and techniques of teaching art in the public schools, as well as the purchase, selection, and maintenance of all art materials, tools, equipment, and reproductions. Spring; three recitations weekly. Credit, 3 semester hours.

315. Sculpture

Prerequisite: Art 105

A study and application of three-dimensional principles to construct a creative expression while working in different media. Exploration of various techniques including modeling, casting, and carving. Fall; three double laboratory periods weekly. Credit, 3 semester hours.

316. Advanced Sculpture

Prerequisite: Art 315

Advanced study in sculpture devoted to developing skills, techniques, and exploring new materials. Spring; three double laboratory periods weekly. Credit, 3 semester hours.

318. Sculpture History

Prerequisite: Art 205

A study of the origins and development of sculpture from prehistoric to contemporary times. Spring; three recitations weekly. Credit, 3 semester hours.

331, 332. Advanced Drawing and Painting

Prerequisites: Art 131-132

Advanced creative problems in tempera, oil painting, and other media. Problems in two dimensional work with regard to composition, space, balance, proportion, rhythm, and color. Fall, spring; three double laboratory periods weekly. Credit, 3 or 6 semester hours.

341. Ceramics

Prerequisite: Art 111

An advanced study of design and surface decoration as applied in ceramics. A course for advanced work on the potter's wheel. Fall; three double laboratory periods weekly. Credit, 3 semester hours.

342. Advanced Ceramics

Prerequisite: Art 341

An advanced study of ceramics involving production throwing on the potter's wheel. (Making sets of cups, plates, bowls, and mugs.) A study of the making and attaching of handles, lids, and pouring spouts. Spring; three double laboratory periods weekly. Credit, 3 semester hours.

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401, 402. Advanced Design

Prerequisite: Art 302

Advanced study in specialized projects on an individual basis. Projects in commercial art or other applied arts as related to the student's area of concentration or secondary interest. Fall, spring; three double laboratory periods weekly. Credit, 3 or 6 semester hours.

405. Seminar in Art Education

A study of the recent philosophies of art education as applied to both elementary and secondary school students and curriculum. Fall; three recitations weekly. Credit, 3 semester hours.

407, 408. Art Supervision

Designed for advanced art majors to obtain experience in directing beginning students in studio techniques. The advanced major supervising only in his area of concentration or secondary interest and being of junior or senior standing. Fall, spring; one double laboratory period weekly. No credit.

415. Advanced Sculpture

Prerequisite: Art 316

A course designed to explore methods of working in various metals. The study of problems in welded sculpture. Fall; three double laboratory periods weekly. Credit, 3 semester hours.

416. Advanced Sculpture

Prerequisite: Art 415

A course in sculpture devoted to developing the student's creative expression in sculpture according to his own talents and experiences. Spring; three double laboratory periods weekly. Credit, 3 semester hours.

421. Ancient and Medieval Art History

Prerequisite: Art 205

A survey of architecture, sculpture, painting, and other arts from prehistoric times to the Italian Renaissance. Fall; three recitations weekly. Credit, 3 semester hours.

422. Italian Renaissance Art History

Prerequisite: Art 205

A study of the art of the Italian Renaissance. Spring; three recitations weekly. Credit, 3 semester hours.

423. Modern Art History

Prerequisite: Art 205

A study of the artists and art schools that evolved in Europe during the 19th century. Fall; three recitations weekly, Credit, 3 semester hours.

424. Contemporary Art History

Prerequisite: Art 205

A study of the artists, theories and art schools that evolved in Europe in the 20th century. Spring; three recitations weekly. Credit, 3 semester hours.

425. European Art History, 1500-1800

Prerequisite: Art 205

A survey of European painting and sculpture from the Renaissance through the Rococo period except for Italian art. Fall; three recitations weekly. Credit, 3 semester hours.

426. Art History of the United States

Prerequisite: Art 205

A study of the painting and sculpture of the United States from Colonial times to the present with an emphasis on 20th century art. Spring; three recitations weekly. Credit, 3 semester hours.

435. Advanced Painting

Prerequisite: Art 332

An exploration of the various manners and approaches to creative painting and their relationship to the individual's experiences. Fall; three double laboratory periods weekly. Credit, 3 semester hours.

436. Advanced Painting

Prerequisite: Art 435

A course for the student's development of his own personal way of expressing himself in painting. Spring; three double laboratory periods weekly. Credit, 3 semester hours.

441. Advanced Ceramics

Prerequisite: Art 342

An advanced study of glaze and glaze decoration. A course for the selecting and testing of one glaze as to the possibilities of textures and colors. Fall; three double laboratory periods weekly. Credit, 3 semester hours.

442. Advanced Ceramics

Prerequisite: Art 441

An advanced study of reduction glazing and kiln construction. Spring; three double laboratory periods weekly. Credit, 3 semester hours.

451. Advanced Drawing

Prerequisite: 332

A course designed to concentrate on the drawing skills and line simplification. Fall; three double laboratory periods weekly. Credit, 3 semester hours.

BIOLOGY

Head: CECIL CONLEY

Cyril E. Abbott
Robert F. Britt
Edward W. Donovan

James B. Ebert
David K. Kuo
Joseph A. McGirt

Objectives:

1. To afford students an opportunity to gain an understanding of themselves and their environment and thus be able to take a fuller, more satisfying role in society.
2. To train students in their ability to reason inductively and deductively and to encourage original thought.

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3. To prepare teachers in the biological sciences for the elementary and secondary school.
4. To provide a background in subject matter and laboratory skills for curricula in which the fundamentals of the various sciences are used.

BIOLOGY MAJOR

Required Courses	Hrs.
General Botany, 101	4
General Zoology, 102	4
Cell Biology, 371	3
Principles of Ecology, 304	4
Principles of Genetics, 472	4
One course selected from the following:	
Invertebrate Zoology, 310	4
Comparative Anatomy, 221	4
Embryology, 222	4
	.. 4
One course selected from the following:	
Morphology of the Non-Vascular Plants, 231	4
Morphology of the Vascular Plants, 232	4
Plant Taxonomy, 340	4
	.. 4
Electives within the Department	3-4
	<hr style="width: 100%; border: 0.5px solid black;"/> 30-31
Chemistry, 111-112	8
Math 107, 108	6

BIOLOGY MINOR

Required Courses	Hrs.
General Botany, 101	4
General Zoology, 102	4
One course selected from the following:	
Principles of Ecology, 304	4
Cell Biology, 371	3
Principles of Genetics, 472	4
	.. 3-4
Electives	3-4
	<hr style="width: 100%; border: 0.5px solid black;"/> 18
Chemistry, 111-112	8

101, 102. General Botany, General Zoology

A course designed to introduce the student to the plant and animal kingdoms, to provide a knowledge of the principles of biology, and to give the student an appreciation of the natural world. A prerequisite to all other courses in biology. Fall, spring; three recitations, one two-hour laboratory period weekly. Credit, 4 semester hours each.

- 201. Economic Botany**
A study of the origin, distribution, propagation and use of economically important plants. Fall; 3 recitations weekly. Credit, 3 semester hours.
- 221. Comparative Anatomy**
Comparative studies of the various organs and systems of vertebrates with laboratory emphasis on the lamprey, dog-fish shark, salamander, and the cat. Fall; two lectures and two two-hours laboratory periods weekly. Credit, 4 semester hours. (Formerly 356)
- 222. Embryology**
Early developmental biology leading to organogenesis. Laboratory emphasis on the chick. Two lectures and two two-hour laboratory periods per week. Credit, 4 semester hours. (Formerly 353)
- 231. Morphology of the Non-Vascular Plants**
A comprehensive survey of the algae, fungi, and bryophytes dealing with structure, form, and reproduction. Fall; two recitations and two two-hour laboratory periods weekly. Credit, 4 semester hours.
- 232. Morphology of the Vascular Plants**
A continuation of Biology 231, a survey of the plant kingdom with emphasis on selected types of vascular plants. Spring; two recitations and two two-hour laboratory periods weekly. Credit, 4 semester hours.
- 301. Entomology**
An introduction to the study of insects. Special emphasis on common insects and on those that are either distinctly helpful or harmful to man. A collection with identification required. Fall; one recitation, two two-hour laboratory periods weekly. Credit, 3 semester hours.
- 304. Principles of Ecology**
An introduction to the principles and materials of ecological research. At least two Saturday field trips are required. Prerequisite: 12 hours biology or permission of instructor. Spring; two lectures, two two-hour laboratory periods weekly. Credit, 4 semester hours.
- 310. Invertebrate Zoology**
A survey of the major invertebrate phyla, emphasizing the marine representatives in order to take advantage of our proximity to the coast. At least two Saturday field trips are required. Prerequisites: 12 hours biology. Fall; two lectures, two two-hour laboratory periods weekly. Credit, 4 semester hours.
- 311-312. Human Anatomy and Physiology**
A course covering the structure and function of the human body. Dissections of a mammal are performed concurrently in the laboratory. Fall, spring; two recitations, one two-hour laboratory period weekly. Credit, 6 semester hours.
- 315. Microbiology**
A study of the microscopic world. Bacteria and bacteriological techniques stressed. Recommended for nurses and lab technicians. Fall; two recitations, two two-hour laboratory periods weekly. Credit, 4 semester hours.

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340. Plant Taxonomy
An introduction to systematic botany with emphasis on identification of the local vascular flora. Spring; two recitations, two two-hour laboratory periods weekly. Field trips as announced. Credit, 4 semester hours.
350. Ornithology
Classification and identification of birds; life histories; feeding habits; nesting habits; theories of migration; economic importance. Spring; one lecture-discussion hour and two two-hour laboratory periods per week. Credit, 3 semester hours.
354. Plant Physiology
A general survey of the major physiological processes in plants, including water relations, food syntheses, growth enzymes, hormones and auxins. Spring; two lecture-discussion hours and two two-hour laboratory periods per week. Credit, 4 semester hours.
371. Cell Biology
A study of the molecular structure and physiology of cells. Fall; two lectures and one two-hour laboratory period weekly. Credit, 3 semester hours.
400. Special Problems in Biology
Prerequisite: Consent of the instructor and approval of Research Proposal by committee composed of Biology faculty.
Designed to provide the student with experience in the analysis and solution of problems in the areas of his major interests. The problem will be presented to the Biology faculty in written form. Credit, 1 to 3 semester hours.
418. Field Zoology and Ecology
Prerequisite: Biology 304
Designed to develop knowledge of zoological field study relative to principles, methods, and applications to the science of biology and to the teaching of biology. Spring; two recitations, two two-hour laboratory periods weekly. Credit, 4 semester hours. Alternate years.
420. Plant Ecology
Prerequisite: Biology 304
Study of various environmental factors operative in different natural habitats. Spring; two recitations, two two-hour laboratory periods weekly. Credit, 4 semester hours. Alternate years.
422. Evolution
An introduction and analysis of the concept of organic evolution, mutation, adaptation, selection, cooperation, competition, and origin of species are considered. Spring; three recitations weekly. Credit, 3 semester hours. Alternate years.
472. Principles of Genetics
Prerequisite: One year of chemistry and one year of mathematics.
An introduction to the principles of genetics. Laboratory experimentation and problems. Spring; three lectures and one two-hour laboratory period weekly. Credit, 4 semester hours.

BUSINESS ADMINISTRATION AND ECONOMICS

Head: KARL SCHEELEGeorge Ammons
Jerry Ingram
Joseph PearceJohn Tarver
Norma Thompson
Victor Wolf

The times demand, and his own interest requires, that the businessman have a liberal arts education. It is well known that employers prescribe a liberal arts background in their optimum recruitment. This frequently, and mistakenly, is thought to mean four years exclusively of liberal arts subjects. What is less well known is that employers prefer, to a significant degree, what is called the "two-plus-two" training, meaning two years of general education plus two years of specialized training.

The "tracks" available in the Department of Business Administration and Economics are listed below. The degrees conferred are: Bachelor of Science with a major in Business Administration, or Business Education, and a Bachelor of Arts with a major in Economics.

- I. **Business Administration.** Requirements: Business Administration 227, 228, 312, 315, 316, 406, 409, 415, 416 and nine hours electives in Business Administration above the freshman level. The minor has to be in Economics.
- II. **Business Administration with Emphasis on Accounting.** Requirements: Business Administration 230, 315, 316, 409; and also the following eight accounting courses: Business Administration 227, 228, 321, 322, 417, 424, 458, and 462. These accounting courses meet present state requirements for C.P.A. certification. The minor has to be in Economics.
- III. **Business Education with a Comprehensive Business Program:** In addition to the basically required courses, the following three shorthand courses are required. Bus. Education courses 213, 214, 313. No minor is required.
- IV. **Business Education with a Basic Business Program:** In addition to the basically required courses, one course in Intermediate Accounting is required: Bus. Administration course 321. No minor is required.
- V. **Economics.** Requirements: Economics 201, 202, 301, 304, 330, 401, Business Administration 227, 228, 312, 406, 409, and 3 elective hours in Economics.

Note:

For certificates in Business Education there are, besides the General Education requirements on page 40 of the current catalog, the following basic professional requirements:

*Business Education 413 is only offered every other year.
Business Administration 415 may be taken instead.

- a. Bus. Education courses: 102, 201, 202, 403, 413*, 453.
- b. Bus. Adm. courses: 104, 209, 227, 228, 312, 315.
- c. Economics course: 201.
- d. Psychology course: 201.
- e. Education course: 227.
- f. Practice (last sem.): Psy. 404, Ed. 400-g, 428, 431.

Minor in Business Administration

Required are: Business Administration courses 227, 228, 406, and nine hours electives in Business Administration above the freshman level.

Minor in Economics

Required are: Economics 201, 202, 304, and nine elective hours in Economics

BUSINESS ADMINISTRATION

104. Business Mathematics

A review of the fundamental processes of arithmetic and their application to various phases of business. Spring; three recitations weekly. Credit, 3 semester hours.

209. Business Organization

An introductory course giving a general survey of the types, functions, and practices of modern business and providing a foundation for work in specialized areas of business administration. Fall; three recitations weekly. Credit, 3 semester hours.

227, 228. Principles of Accounting I and II

Introduction to accounting. Fall, spring; two recitations, two laboratory periods weekly. Credit, 6 semester hours.

230. Individual Income Tax Accounting

Prerequisite: Bus. Admin. 227

A general course designed for all majors in Business Administration. Spring; three recitations weekly. Credit, 3 semester hours.

305. Principles of Insurance

Prerequisite: Bus. Admin. 228

Basic principles and practices of life, property, casualty, and social insurance. Fall; three recitations weekly. Credit, 3 semester hours.

312. Marketing

Prerequisite: Bus. Admin. 228

Marketing institutions and methods with emphasis on social, economic, and managerial aspects of distribution. Spring; three recitations weekly. Credit, 3 semester hours.

- 315. Business Law I**
Prerequisite: Bus. Admin. 227
The general principles of business law, including contracts, negotiable instruments, partnerships, and corporations. Fall; three recitations weekly. Credit, 3 semester hours.
- 316. Business Law II**
Prerequisite: Bus. Admin. 315
Continuation of 315. Emphasized topics: personal and real property, mortgages, bankruptcy, suretyship and trade regulations. Spring; three recitations weekly. Credit, 3 semester hours.
- 320. Advertising**
Prerequisite: Bus. Admin. 227
The principles, practices, and effects of advertising, including cost, means, and media. Fall; three recitations weekly. Credit, 3 semester hours.
- 321, 322. Intermediate Accounting I and II**
Prerequisite: Bus. Admin. 228
Fall or spring; three recitations weekly. Credit, 6 semester hours.
- 406. Principles of Industrial Management**
Prerequisite: Bus. Admin. 228
A general management course designed for all majors. Discussion topics include: management principles, employee relations, ratings, wage plans, systems analysis, budget and cost calculation. Fall; three recitations weekly. Credit, 3 semester hours.
- 408. Personnel Management**
Prerequisite: Bus. Admin. 228
The human phase of organization, personnel efficiency, handling personnel situations, developing work-teams, labor relations and administration of matters affecting the personnel of an organization. Spring; three recitations weekly. Credit, 3 semester hours.
- 409. Business Statistics**
Prerequisite: Bus. Admin. 228
A general statistics course designed for all majors. Fall; two recitations and two laboratory periods weekly. Credit, 3 semester hours.
- 415. Business Finance I**
Prerequisite: Bus. Admin. 228
The basic principles of business finance as they apply to various forms of business organizations: financial planning, funds from operations; short-term and intermediate-term loan capital. Fall; three recitations weekly. Credit, 3 semester hours.
- 416. Business Finance II**
Prerequisite: Bus. Admin. 415
Owner's equity; long-term debts; business promotion, recapitalization, reorganization, and liquidation of business firms. Spring; three recitations weekly. Credit, 3 semester hours.
- 417. Intermediate Income Tax Accounting**
Prerequisite: Bus. Admin. 230
A technical treatment including partnership and corporation reporting of income to the federal government. Fall; three recitations weekly. Credit, 3 semester hours.

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420. Salesmanship
Prerequisite: Bus. Admin. 228 and 312
A study of the significance of sales in the economy; principles and methods of salesmanship and the management of sales. Spring; three recitations weekly. Credit, 3 semester hours.
424. Cost Accounting
Prerequisite: Bus. Admin. 228
Job, process and standard costing. Fall; three recitations weekly. Credit, 3 semester hours.
435. Marketing Policies
Prerequisite: Bus. Admin. 228 and 312
Designed to aid the student in solving marketing problems. Policy formulation in such areas as product strategy, pricing, product promotion, channels of distribution, operation analysis and control. Fall; three recitations weekly. Credit, 3 semester hours.
451. Industrial Psychology
Prerequisite: Psychology 101 or 102
A direct application of behavioral science to human relation problems in business and industry. Includes a study of the common adjustments, maladjustments, and factors related to obtaining employment and advancement in industry; group dynamics; and other factors related to improving working conditions and the enhancement of the employee. The same course as Psychology 451, Fall; three recitations weekly. Credit, 3 semester hours.
458. Auditing
Prerequisite: Bus. Admin. 322
Internal and independent procedures for this control technique. Spring; three recitations weekly. Credit, 3 semester hours.
462. An Introduction to Automated Accounting Systems
Prerequisite: Bus. Admin. 331
A study of data processing principles and simulated use of these principles in modern business. Spring; three recitations weekly. Credit, 3 semester hours.

ECONOMICS

201. Principles of Economics I
This course provides an overall picture of the operation of our economy. Emphasized are the following topics: An introduction to American capitalism, national income, level of employment, fiscal policy, monetary policy, and economic growth. Fall or Spring; three recitations weekly. Credit, 3 semester hours.
202. Principles of Economics II
Prerequisite: Econ. 201
This second part of the Principles course in economics concentrates on the determination of prices in competitive and monopolistic markets, the distribution of income along functional lines, international economics, and comparative economic systems. Fall or spring; three recitations weekly. Credit, 3 semester hours.
301. Intermediate Micro-economic Theory
Prerequisites: Economics 201-202
Price determination and income distribution in a market economy. Fall; three recitations weekly. Credit, 3 semester hours.

304. Money and Banking

Prerequisites: Economics 201-202

A study of financial institutions and their role in the economy, and an analysis of the functions of money and credit. Spring; three recitations weekly. Credit, 3 semester hours.

306. Economic Geography

The same course as Geography 306. Spring; three recitations weekly. Credit, 3 semester hours.

330. Public Finance

Prerequisites: Economics 201-202

A study of revenue and expenditure on all government levels in the United States. Spring; three recitations weekly. Credit, 3 semester hours.

340. International Trade

Prerequisites: Economics 201, 202, 304

An introduction to international trade, the balance of payments, and related issues of foreign economic policy. Spring; three recitations weekly. Credit, 3 semester hours.

341. Economic History of the United States

Prerequisites: History 107, 108

The same course as History 341. Fall; three recitations weekly. Credit, 3 semester hours.

401. Intermediate Macro-economic Theory

Prerequisites: Economics 201, 202, 301, 304, 330

Determination of the national income and of its components. Economic growth and fluctuations. The influence of public policy on the production and employment level and on the distribution of the national income. Fall; three recitations weekly. Credit, 3 semester hours.

406. Economic Systems

Prerequisites: Economics 201, 202

A comparative study of alternative economic systems, including Communism, Socialism, Fascism, and Capitalism. Spring; three recitations weekly. Credit, 3 semester hours.

407. Economics of Labor

Prerequisites: Economics 201, 202

The application of economic principles to the administration of modern labor organizations, wage determination, collective bargaining, and public regulations. Fall; three recitations weekly. Credit, 3 semester hours.

411. Development of Economic Thought

Prerequisites: Economics 201, 202, 304, 330

A basic course in the development of economic theories and doctrines, ranging from the Greek to the present day. Fall; three recitations weekly. Credit, 3 semester hours.

419. Senior Seminar in Economics

Prerequisite: Consent of instructor

A seminar featured to prepare students for graduate work in Economics. Spring; three sessions weekly. Credit, 3 semester hours.

BUSINESS EDUCATION

101, 102. Beginning Typewriting I and II

Development of basic typewriting skills and their application to the production of letters and tabulation. Mechanism, operation, and care of the typewriter. Fall, spring; three recitations weekly. Credit, 4 semester hours.

201. Advanced Typewriting I

Emphasis on applied typewriting. The development of sustained production of various kinds of typewriting problems. A speed-building program to develop a high degree of skill. Fall; three recitations weekly. Credit, 2 semester hours.

202. Advanced Typewriting II

Prerequisite: Business Education 201

A continuation of Business Education 202. Advanced typewriting problems and duplication procedures. Spring; three recitations weekly. Credit, 2 semester hours.

213-214. Beginning Shorthand I and II

Fundamental principles of Gregg Shorthand with special emphasis on accuracy and speed. Practice work in dictation and transcription. Ability to take dictation 80 words a minute and to transcribe easily and accurately. Fall, spring; five recitations weekly. Credit, 6 semester hours.

303. Business Communication

Develops the principles, procedures, and practices of good communication and their relationship to good management. Spring; three recitations weekly. Credit, 3 semester hours.

313. Advanced Shorthand I

A second-year course in shorthand, consisting of rapid dictation and rapid transcription. Mastery of principles of Gregg Shorthand. Ability to take dictation at a rate of 100 to 120 words a minute. Fall; five recitations weekly. Credit, 3 semester hours.

314. Advanced Shorthand II

A continuation of rapid dictation and rapid transcription. Spring; five recitations weekly. Credit, 3 semester hours.

403. Office Management

Designed for training students to meet situations which will confront them in the modern business office; office standards, office control, physical facilities, general nature of office work, office personnel relations, and managerial control of office production. Fall; three recitations weekly. Credit, 3 semester hours.

413. Personal Finance

Discussion topics include: acquisition and handling of personal income; insuring possessions and life; opportunities for investing surplus wealth; personal taxes; plans for creating an estate to be inherited. Fall; three recitations weekly. Credit, 3 semester hours.

453. Secretarial Office Practice

A terminal course required of all business education majors. It is designed to consolidate office attitudes, knowledge, and skills in order to give each student a comprehensive understanding of effective secretarial procedures in the business office and their relation to other areas of business. This course to include instruction in filing, the use of business forms, and an acquaintance with the newest, essential machines in an automated office. Fall; three recitations weekly; three laboratory periods weekly. Credit, 4 semester hours.

EDUCATION

Head: KENNETH G. KERSH

Naomi Conley
Faye Jones
L. L. Murray

Herbert G. Oxendine*
Janie Britt Silver
Louis E. Teets

The Department of Education provides professional preparation for individuals preparing to teach in the public schools. The total program of professional education is designed to encompass an understanding of the learner, of the learning processes, of the school and the meanings and purposes of education, and to foster the development of professional skills in methods and techniques of instruction. The Department of Education utilizes the resources of the entire college for the academic subject matter necessary to provide breadth and depth of background in the liberal arts and in the sciences, both of which are maximally essential for effective teaching. The professional program is also designed to meet the criteria for teacher certification as set forth by the North Carolina Department of Public Instruction.

ELEMENTARY EDUCATION

The Major

The requirements for the degree of Bachelor of Science with a major in Elementary Education are 128 hours credit distributed as follows:

- I. The general education curriculum, 50-56 semester hours. (See page 40.)
- II. Departmental Requirements
 - A. Professional Education, 27 semester hours.
Pre-professional and professional courses including Education 227, 356, 413, 416, 421, 428, and Psychology 202, 303.
 - B. Specialized Subject-Matter Preparation, 36 semester hours.
Subject matter preparation beyond the 50-56 semester hours specified in the general education curriculum. The required 36 hours are: Art 311; English 310, 345, 373, 383;

* Deceased

72 EDUCATION

History 207-208; Mathematics 106; Music 309; Physical Education 311, 316; Geography, 3 semester hours.

C. Electives, 9-15 hours

Elementary Education Majors are expected to use their electives to develop an area of concentration. Areas of concentration must be approved by the Chairman of the Department of Education.

SECONDARY EDUCATION

High School Teaching certificates are obtained in conjunction with the degree of Bachelor of Arts or of Bachelor of Science, with a major in a teaching field or subject. The Department of Education does not offer a degree in secondary education. The requirements for the high school teaching certificate are as follows:

- I. The general education curriculum.
- II. Departmental requirements for B.S. or B.A. degree.
- III. Professional Requirements for teaching certificate: 21 semester hours consisting of Education 227, 400, 428, 431, and Psychology 202 and 404.

227. Foundations of Education I

The school in relation to the social structure of America. Materials drawn from sociology that help the teacher to understand how the individual becomes a cooperating member of a complex society. A sociological interpretation which views the American school system as interpreting and transmitting the values of society and which performs the function of inducting the child into his society. Fall or spring; three recitations weekly. Credit, 3 semester hours.

356. Materials and Methods in the Elementary School

Emphasizes procedural techniques in the areas of language arts, science and arithmetic, and social studies. Special emphasis on newer materials and methods currently used to make learning more meaningful through problem solving approaches. Designed for certificate renewal. Summer Session. Credit, 3 semester hours.

400. Special Methods of Teaching in Grades Seven through Twelve

Purposes, methods, materials, and evaluation procedures in the subject or area indicated; directed observation in the public schools; preparation of teaching plans and materials: (a) social studies, (b) mathematics, (c) science, (d) English, (e) physical education, (f) foreign language, (g) business education, (h) home economics. Fall or spring; accelerated. Credit, 3 semester hours (in appropriate area). Note: Methods courses for art and music are taught in those departments.

413P. Teaching Reading in the Primary Grades

A study of the development of current techniques for the teacher of reading skills in the primary grades. Specific emphasis on the development of a basic reading program in the first three years of public school, the fundamentals of beginning reading based on readi-

ness, configuration, context, and phonics. Fall and spring; three recitations weekly. Credit, 3 semester hours.

413G. Teaching Reading in the Intermediate Grades

A study of reading as a developmental process in the total child development relationship. Problems in reading studied as problems in development. Reading readiness at successive levels of development; principles, methods, and materials for acquiring effective reading attitudes and skills. Observations provided in actual teaching situations with special emphasis on individual differences, grouping, and directed reading activities. Fall and spring; three recitations weekly. Credit, 3 semester hours.

416. Principles of Guidance

A course dealing with the principles, methods, materials, and techniques of understanding the school child, his relationships with his peers, adults, school, and the world of work in his future. Co-operative relationships with other pupils, parents, teachers, and prospective or cooperating employers. Fall and spring. Three recitations weekly. Credit 3 semester hours.

419. Reading Improvement in Secondary Schools

Designed to aid teachers in working with problems of reading improvement and study skills. Consideration for the needs of the average and superior readers as well as those whose skills are below average. Promotion of the concept that every high school teacher should be a teacher of reading skills. Tools for word recognition and vocabulary development, classroom skills, the application of reading skills, methods of studying, reading rates, and comprehension. Open to all candidates for high school teaching certificates. A requirement for candidates for certification in English. Fall or spring; three recitations weekly. Credit, 3 semester hours.

420. Workshop in the Teaching of Reading

Prerequisite: Education 413 or its equivalent. A study of the techniques of teaching reading with emphasis upon the use of audio-visual aids. Includes observations in public schools, demonstrations by guest teachers, and participation by students enrolled in the course. Summer Session. Credit, 3 semester hours.

421. Student Teaching in the Elementary School

Provides continuous full-time student teaching experience in an off-campus public school at the grade level for which the candidate is preparing to teach. A variety of professional experiences included, beginning with purposeful observation and leading to gradual induction into full-time teaching experience, acquainting the student teacher with the wide range and varied relationships of the teacher's work. Formal and informal conferences with college supervisors and cooperating teachers and principals. Registration for student teaching permitted only when to be performed in conjunction with the professional semester, all of which must be completed at this College. Candidates may not complete registration for the professional semester until all criteria specified by the Department of Education for admission to the professional semester have been met. Fall or spring. Credit, 6 semester hours.

423. Research in Education

Designed for the exploration of individual interest areas. Student investigation, under the guidance of the instructor, of an approved

problem of specific concern to the student. Regularly scheduled progress conferences between instructor and student for evaluative purposes. Scheduled only with approval of Chairman of the Department of Education. Fall or spring. Credit, 3 or 6 semester hours.

428. Foundations of Education II

To develop an understanding of the evaluation of learning. Particular emphasis is placed on constructing, administering, scoring, and interpreting the results of teacher-made tests. Basic statistical techniques are appropriately employed throughout the course. Fall and spring; three recitations weekly. Credit, 3 semester hours.

431. Student Teaching in the Secondary School

Provides continuous full-time student teaching experience in an off-campus public school in the subject area for which the candidate is preparing to teach. A variety of professional experiences beginning with purposeful observation and leading to gradual induction into full-time teaching experience, acquainting the student teacher with the wide range and varied relationships of the teacher's work. Formal and informal conferences with college supervisors and cooperating teachers and principals. Includes a final evaluative period for post-observation and self-evaluation. Registration for student teaching permitted only when to be performed in conjunction with the professional semester, all of which must be completed at this College. Candidates may not complete registration for the professional semester until all criteria specified by the Department of Education have been met. Fall or spring. Credit, 6 semester hours.

433. Research in Education

Designed for the exploration of individual interest areas, student investigation, under the guidance of the instructor, of an approved problem of specific concern to the student. Regularly scheduled progress conferences between instructor and student for evaluative purposes. Scheduled only with approval of Chairman of the Department of Education. Fall or spring. Credit, 3 or 6 semester hours.

455. Workshop in Elementary School Science

Designed to provide the in-service teacher with opportunities for organizing materials and techniques used in the teaching of science. Special emphasis on how to set up simple scientific experiments and how to carry out demonstrations for maximum pupil participation. Use of the North Carolina Science Handbook and other materials and provision for scientific experience for teachers at all elementary school grade levels, (1-8). Summer Session. Credit, 3 or 6 semester hours.

460. Audio-Visual Materials and Procedures

Principles underlying the selection and use of materials for instructional purposes in the field of public school teaching, business, and social services. Laboratory experiences in the operation of equipment and the selection, preparation, and evaluation of audio-visual materials. Fall or spring; three recitations weekly. Credit, 3 semester hours. (Workshop in the Summer.)

462. Teaching the Slow Learner

A study of the performance characteristics of the slow-learning child. A survey of techniques of presentation of materials; analysis of attention spans, motivation, readiness, effects of reward and need

satisfaction; developmental growth curves and plateaus; individual pupil needs and measurement and evaluation of growth and specific progress in relation to abilities. Fall or spring. Credit, 3 semester hours.

463. Workshop: Teaching Modern Arithmetic

An analytical survey of methods of presentation, of materials, and of teaching techniques in child-centered teaching-learning situations involved in teaching the modern arithmetic in the elementary school. Summer only. Credit, 3 or 6 semester hours.

465. Techniques of Team Teaching

Designed to train teachers in the newer techniques of team teaching as related to their work in the ever expanding comprehensive school improvement program; special emphasis placed on pupil grouping, pupil readiness, and pupil achievement evaluation; flexibility of newer materials and techniques of presentation aimed at an individualized instructional program. Summer only. Credit, 3 or 6 semester hours.

ENGLISH

Head: HAROLD N. WHITE

Alice S. Brandenburg
James Farmer
Marjorie Farmer
Grace Evelyn Gibson
Wayne H. Hunter

Lois B. Lewis
George W. Polhemus
Bessie Mae Walker
Anne R. Wells

The objectives of the English Department are to improve the student's ability to express himself correctly and effectively in written and oral English; to improve his level of reading comprehension; to further his appreciation of literature as an art; and to deepen his understanding of literature's relation to human culture.

There are two English major programs offered: one offers the minimum essentials for a liberal arts training; the other prepares for a career in teaching English in the secondary schools.

REQUIREMENTS FOR A NON-TEACHING MAJOR IN ENGLISH,
39 semester hours (30 semester hours beyond freshman requirements), including English 105-106, 205-206, and Speech 101.

Elective hours in English, 24 semester hours in 300 and 400 level courses.

Three semester hours of religion selected from this list may be counted: Religion 311, 312, 313, or 411.

REQUIREMENTS FOR A TEACHING MAJOR IN ENGLISH

45 semester hours, including:

English 105-106, 205-206, 329; 330 or 431 or 432; 331 or 332; 351 or 352; 373, 393, 403; Speech 101.

Elective: 6 semester hours in advanced courses.

REQUIREMENTS FOR A MINOR IN ENGLISH, 27 semester hours, including the following:

English 105-106, 205-206, Speech 101.

Elective: 12 semester hours, in advanced literature courses.

105-106. Composition

Prerequisite: English 105 is prerequisite for English 106.

A basic course covering three general areas: a careful review of correct English usage; the basic principles of expository writing; and an introduction to types of literature. Fall, spring; three recitations weekly. Credit, 6 semester hours.

205-206. World Literature

Prerequisite: English 105-106. English 205 is prerequisite for English 206.

A study of the important literary movements and writings in the great cultures of the world. Fall, spring; three recitations weekly. Credit, 6 semester hours.

329. English Literature

Prerequisite: English 205-206

An examination of literature of England from Beowulf through seventeenth century. Fall; three recitations weekly. Credit, 3 semester hours.

330. English Literature

Prerequisite: English 205-206

An examination of literature of England from early eighteenth century to twentieth century. Spring; three recitations weekly. Credit, 3 semester hours.

331. Survey of American Literature

Prerequisite: English 205-206

A critical and historical survey of American Literature from its beginnings to 1860. Fall; three recitations weekly. Credit, 3 semester hours.

332. Survey of American Literature

Prerequisite: English 205-206

A critical and historical survey of American Literature from 1860 to the present. Spring; three recitations weekly. Credit, 3 semester hours.

342. The English Novel

Prerequisite: English 205-206

A study of the development of prose fiction in England. Spring; three recitations weekly. Credit, 3 semester hours.

343. The American Novel

Prerequisite: English 205-206

A study of the development of prose fiction in America. Spring; three recitations weekly. Credit, 3 semester hours.

345. Types of English and American Literature

(primarily for Elementary Teachers)

Prerequisite: English 205-206

A comparative study of the various types of literature produced and read in England and the United States. Fall and spring; three recitations weekly. Credit, 3 semester hours.

351. Shakespeare

Prerequisite: English 205-206

An introduction to the background of the Shakespearean theatre and selected Shakespearean plays, both comedy and tragedy, and study of some poetry. Fall; three recitations weekly. Credit, 3 semester hours.

352. Shakespeare

Prerequisite: English 205-206

A review of Shakespeare's life and experience in the theatre through a study of a second selection of plays and poetry. Spring; three recitations weekly. Credit, 3 semester hours.

354. Modern Drama

Prerequisite: English 205-206

A study of selections from the drama of the western world of the nineteenth and twentieth centuries. Spring; three recitations weekly. Credit, 3 semester hours.

366. Modern British and American Poetry

Prerequisite: English 205-206

A survey of British and American poetry of the late nineteenth and early twentieth centuries. Spring; three recitations weekly. Credit, 3 semester hours.

373. Advanced Grammar and Composition

Prerequisite: English 205-206

An advanced study of grammar, syntax, rhetoric, and composition. Fall; three recitations weekly. Credit, 3 semester hours.

376. Creative Writing

Prerequisite: English 105-106 and consent of instructor

Designed for serious study and practice of various literary forms. Spring; three recitations weekly. Credit 3 semester hours.

383. Children's Literature

Prerequisite: English 205-206

A survey of children's literature and development of standards for selecting such materials for school and home. Fall; three recitations weekly. Credit, 3 semester hours.

393. History of the English Language and Word Study

Prerequisite: English 205-206, 373

Designed to give the student an appreciation of the English language through a study of its history, and to help enlarge the vocabulary through a study of the origins and composition of words. Fall; three recitations weekly. Credit, 3 semester hours.

403. Contemporary World Literature

Prerequisite: English 205-206

A survey of twentieth century world literature. Fall; three recitations weekly. Credit, 3 semester hours.

431. Literature of the Romantic Period

Prerequisite: English 205-206

A study of the literature of the period, with emphasis on that of Wordsworth, Shelley, Keats, and Byron. Fall; three recitations weekly. Credit, 3 semester hours.

78 SPEECH AND DRAMA

433. Victorian Prose and Drama

Prerequisite: English 205-206

An examination of the work of the chief writers of novels, essays, and dramas in the Victorian period. Fall; three recitations weekly. Credit, 3 semester hours.

434. Victorian Poetry

Prerequisite: English 205-206

A study of the work of major poets of the Victorian period. Spring; three recitations weekly. Credit, 3 semester hours.

443. Survey of English Drama

Prerequisite: English 205-206

A survey of types of English drama, excepting Shakespeare and that of the twentieth century. Fall; three recitations weekly. Credit, 3 semester hours.

SPEECH AND DRAMA

Albert D. Dunavan

Howard A. Hoffman

The courses in the department are planned so that a student may acquire a minor in these two somewhat related disciplines.

REQUIREMENTS FOR A MINOR IN SPEECH AND DRAMA, 18 semester hours, which may include the following:

English 351, 352, or 354

SPEECH

101. Speech Fundamentals (A General Educational Requirement)

Designed to promote good habits of speech through study of its principles, with guided practice in speaking. Fall, spring; 3 recitations weekly. Credit, 3 semester hours.

102. Argument and Debate

Basic theories of argumentation are given with an emphasis on their application in academic debate. Fall, spring; 3 recitations weekly. Credit, 3 semester hours.

260. Voice and Diction

Self-improvement in voice and diction through study and drill. Understanding of the vocal mechanism and its relationship to tone, range, and articulation. Spring; 3 recitations weekly. Credit, 3 semester hours.

310. Speech for the Classroom Teacher

A course to increase the effectiveness of both the speaking and oral reading of the classroom teachers and to provide them with a standard for improving the speech habits of their students. Fall, spring; 3 recitations weekly. Credit, 3 semester hours.

401. Television and Radio Programming

Production and direction of individual programs for broadcast, with attention to special problems of both radio and television. Fall; 3 recitations weekly. Credit, 3 semester hours.

402. Speech Therapy

Methods and materials employed in diagnosis and treatment of voice, speech and language problems; special attention to articulation, stuttering, foreign language and hearing problems. Spring; 3 recitations weekly. Credit, 3 semester hours.

DRAMA

201. Elementary Acting

Theory and practice in the fundamentals of acting for the theater with some attention given to make-up and costuming as an aid to portrayal of character. Spring; 3 recitations weekly. Credit, 3 semester hours.

251. Play Production

A course to provide theoretical and practical experience in costuming, directing and producing plays. Fall; 3 recitations weekly. Credit, 3 semester hours.

252. Play Direction

A study of the techniques followed in directing plays, with practice in the art. Spring; 3 recitations weekly. Credit, 3 semester hours.

LIBRARY SCIENCE

In recognition of the increased demand for library workers with at least a minimum of technical training the following listed courses have been approved by the Curriculum Committee. They are so planned and graded that a minor of 18 semester hours may be earned in the field. Such a minor will make possible the certification of a person as a Librarian in the Public Schools. It will be an excellent complement to almost any major for those who are planning to work in the Secondary School.

For the present these courses will be offered only during the summer sessions.

100. The Library in Society

A survey of the function of the library to the community which supports it. Summer; 9 recitations weekly. Credit, 3 semester hours.

110. Basic Reference Sources and Methods

A course to apprise the student of the fundamental concepts of reference sources and the methods for making them available. Summer; 9 recitations weekly. Credit, 3 semester hours.

120. Selection of Library Materials

The chief concern will be with the standards for selecting the various types of materials for the library. Summer; 9 recitations weekly. Credit, 3 semester hours.

130. Organization and Operation of Library Services

A study of the means by which the professional librarian plans for the most efficient operation of the library. Summer; 9 recitations weekly. Credit, 3 semester hours.

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250. Introduction to Technical Services in the Library
An introductory survey of the special services to be given by the library. Summer; 9 recitations weekly. Credit, 3 semester hours.
360. Selection of Books and Related Materials for Young People
Summer; 9 recitations weekly. Credit, 3 semester hours.
361. Selection of Books and Related Materials for Children
(E383 Children's Literature may be substituted for this course.)
Summer; 9 recitations weekly. Credit, 3 semester hours.

HEALTH AND PHYSICAL EDUCATION

Head: KENNETH P. JOHNSON

Edwin Crain
Lacey Gane
Daniel P. McNair

Raymond B. Pennington
D. Virginia Ryan

The purposes of the Department of Physical Education and Health are:

1. To provide all students with the opportunity to learn and participate in indoor and outdoor sports, and to participate in and enjoy leisure time recreation consistent with their abilities and interests.
2. To provide the professional education for teachers in the field of health and physical education.
3. To provide a program of intramural athletics which furnishes each interested student opportunities to participate in healthful competition.
4. To provide a program of intercollegiate athletics for men including competition in baseball, basketball, golf, soccer, tennis, track, and wrestling.

The requirements for the degree of Bachelor of Science with a major in Physical Education and Health are as follows:—

I. The General Education Curriculum

II. Departmental Requirements

- A. 41 hours in physical education and health including:
104, 205, 208, 215, 218, 219, 220, 301, 304, 311 or 312, 316 or 321, 314, 320, 323 or 412, 324, 326, 407, 408, 415.
- B. 14 hours in science including:
Biology 101-102; 311-312
- C. 21 hours in professional education leading to teacher certification including:
Education 227, 400, 428, 431
Psychology 202, 404

The requirements for a minor in Physical Education and Health are 18 semester hours including:

- 6 hours in the area of principles, curriculum, and administration of Physical Education
- 3 hours in the area of coaching major sports
- 3 hours in the area of health
- 2 hours in the area of individual sports
- 1 hour in the area of team sports
- 3 hours—elective in the area of physical education and health

COURSE DESCRIPTION

101-102M. General Physical Education for Men

Designed to meet the needs and interests of freshman college men through physical fitness training and the development of fundamental skills in indoor and outdoor team and dual sports.

Fall: soccer, touch football, basketball, wrestling

Spring: tumbling, volleyball, track, softball

Fall, spring; two recitations weekly. Credit, 1 semester hour.

101-102W. General Physical Education for Women

Designed to meet the needs and interests of freshman college women through physical fitness training and the development of fundamental skills in indoor and outdoor individual and team sports.

Fall: field hockey, soccer, basketball, modern dance

Spring: volleyball, tumbling, track, softball

Fall, spring; two recitations weekly. Credit, 1 semester hour.

205M. Team Sports I

Study and practice in fundamental skills, techniques, and rules of football, soccer, and basketball. Fall; two recitations weekly. Credit, 1 semester hour.

205W. Team Sports I

Study and practice in fundamental skills, techniques, and rules of field hockey, soccer, and basketball. Fall; two recitations weekly. Credit, 1 semester hour.

208M. Team Sports II

Study and practice in fundamental skills, techniques, and rules of track, wrestling, and baseball. Spring; two recitations weekly. Credit, 1 semester hour.

208W. Team Sports II

Study and practice in fundamental skills, techniques, and rules of track, volleyball, and softball. Spring; two recitations weekly. Credit, 1 semester hour.

215. Individual Sports I

A course designed to build skills and develop basic competencies and appreciations in tennis and badminton, so that the individual will participate in these activities both during his college years and in his post-college life. Fall; two recitations weekly. Credit, 1 semester hour.

218. Individual Sports II

A course designed to build skills and develop basic competencies and appreciations in golf and archery, so that the individual will participate in these activities during his college years and in his post-college life. Spring; two recitations weekly. Credit, 1 semester hour.

219. Gymnastics I

Opportunity for the development of skill in self-testing activities such as stunts and tumbling and the improvement of body mechanics, balance and coordination with emphasis on marching and apparatus activities and skills. Performance ability and skill in the use of safety and accident prevention procedures emphasized. Fall; two recitations weekly. Credit, 1 semester hour.

220. Gymnastics II

Continuation of Gymnastics I with emphasis on advanced techniques in tumbling and apparatus. Spring; two recitations weekly. Credit, 1 semester hour.

301. Individual Sports III

A course designed to build skills and develop basic competencies and appreciations in fencing and handball, so that the individual will participate in these activities both during his college years and in his post-college life. Fall; two recitations weekly. Credit, 1 semester hour.

304. Correctives in Physical Education

An analysis of activities especially designed and indicated for the treatment of remedial physical defects. Spring; three recitations weekly. Credit, 3 semester hours.

313W. Modern Dance

A beginning course in modern dance which includes rhythmic fundamentals, fundamental forms of locomotion, simple patterns of movement, simple composition, and creative activity. Fall; two recitations weekly. Credit, 1 semester hour.

314. First Aid, Safety, and Care of Athletic Injuries

Study of, and practice in, the technique of first aid and safety with emphasis on accident prevention and practical applications; an opportunity to earn Red Cross Certification. Consideration given the nature and cause of injuries during physical activity, hazards of play, techniques of massage, bandaging, strapping, and care of athletic injuries and to the training phase of diet and exercise. Spring or Fall; three recitations weekly. Credit, 3 semester hours.

316. Physical Education for the Elementary School

A study of the materials and methods of physical education in the elementary school with special reference to lesson and program planning and the study of rhythmic activities and low-organization and lead-up games suitable for this level. Spring or fall; three recitations weekly. Credit, 3 semester hours.

320. Rhythms

Study and instruction in a variety of rhythmical activities as included in folk, social, and square dancing. Spring; two recitations weekly. Credit, 1 semester hour.

321. Curriculum in Physical Education

A study of the fundamental principles upon which the physical education curriculum is constructed with actual work in setting up a theoretically sound and workable program. Fall; three recitations weekly. Credit, 3 semester hours.

323. Kinesiology

The applied anatomy of motion, particularly as it pertains to the work of the athlete, the physical educator, and the therapist. Emphasis given to the study of anatomic fundamentals of human motion, the mechanics of human motion, the underlying principles of basic motor skills and the applications of kinesiology. Fall; three recitations weekly. Credit, 3 semester hours.

324. Tests and Measurement in Physical Education

An analysis of the methods of evaluation in physical education; statistical analysis and interpretation of data. Spring; three recitations weekly. Credit, 3 semester hours.

326. Principles and Philosophy of Physical Education

A study of the relationship and contribution of physical education to general education—historical and philosophical backgrounds, basic biological, physiological, psychological, and sociological, foundations of the modern program. Spring; three recitations weekly. Credit, 3 semester hours.

328. Playground and Community Recreation

A brief study and elementary presentation of the foundations of organized recreation; backgrounds and theories; objectives and principles; social and economic factors; conduct of playground and recreation programs. Spring; three recitations weekly. Credit, 3 semester hours.

407M. Coaching Football and Basketball

A study of offensive and defensive play; rules, strategies, and problems of conditioning teams. Fall; three recitations weekly. Credit, 3 semester hours.

407W. Coaching Field Hockey, Soccer, Volleyball

A study of offensive and defensive play, rules, strategies, and conditioning. Fall; three recitations weekly. Credit, 3 semester hours.

408M. Coaching Baseball and Track

A study of fundamentals, individual techniques and team play, conditioning, maintaining grounds, and staging games and meets. Spring; three recitations weekly. Credit, 3 semester hours.

408W. Coaching Basketball, Softball, Track

A study of fundamentals, individual techniques and team play, and of rules and strategies. Spring; three recitations weekly. Credit, 3 semester hours.

412. Physiology of Exercise

A study of the manner in which the physical potentialities of the human body meet the exacting requirements of exercise with special emphasis upon physical education activities. Spring; three recitations weekly. Credit, 3 semester hours.

84 HEALTH AND PHYSICAL EDUCATION HISTORY AND POLITICAL SCIENCE

415. Organization and Administration of School Health and Physical Education

A study of the organization and administration of school health and physical education with particular reference to relationships with the general educational program and the work of the health, physical education, and recreation specialist. Fall; three recitations weekly. Credit, 3 semester hours.

HEALTH

101. Personal Health and Hygiene

A course designed to meet the health knowledge requirements necessary to guide the student to a more healthful way of life. Fall or spring; one recitation weekly. Credit, 1 semester hour.

104. Basic Hygiene

Emphasis on personal hygiene and the student's obligation to serve society through the promotion of individual, family, and public health. Spring; three recitations weekly. Credit, 3 semester hours.

311. Health Education for the Elementary School

The principles, practices, and procedures in health education for the elementary school. Fall or spring; three recitations weekly. Credit, 3 semester hours.

312. Health Education in Secondary Schools

A course offered to meet the needs of those teaching health in the secondary schools. Basic principles to ensure efficient direction of a sound health program in healthful school living, health services, and health instruction. Preparation of teaching units. Spring; three recitations weekly. Credit, 3 semester hours.

METHODS

Education 400. Methods of Teaching in Grades Seven through Twelve

Purposes, methods, materials, and evaluation procedures in Physical Education; directed observation in the public schools; preparation of teaching plans and materials. Fall or Spring; accelerated. Credit, 3 semester hours.

HISTORY AND POLITICAL SCIENCE

Acting Head: MR. ADOLPH DIAL

Mr. R. Douglas Averitt, III
Mr. William R. Bullard
Mr. Loren L. Butler, II
Dr. Avery John Butters
Dr. Paul K. Freiwirth

Dr. Min-Chaun Ku
Mr. Jerome A. McDuffie
Mr. Max Miller
Clifton Oxendine
Dr. Laszlo Tarnoi

History and political science are liberating disciplines. Through the study of governments, politics, and the rise and growth of major civilizations, the individual is able to broaden and deepen his com-

prehension of human experience and achievement. The study of history and political science enables the individual to understand the major issues that confront the world and makes possible a more reasoned and intelligent response to these problems.

Because history and political science are humanistic studies as well as social sciences, the department offers preparation to individuals intent upon almost every career and profession. While the department offers a sound foundation for students who wish to work for the teaching certificate, it also prepares students to continue with graduate or special work in the field of history or political science. Courses offered by the department also provide a background for students who wish to study law or enter government service.

A history or political science major is to plan his program only after careful consultation with his assigned advisor. The minor should be planned with career objectives in mind, and courses in the minor should supplement the student's knowledge in his major. A student planning graduate study in the field of history or political science should acquire a reading knowledge of French or German.

Requirements for a major in history	36 semester hours
History 107-108	6
History 207-208	6
Political Science	6 (unless one minors in political science)
Electives in advanced history	18 or 24

The 6 hours in political science required for a major in history cannot be applied toward a minor in political science or social sciences. No course may be counted twice in meeting requirements for any major or minor offered by the Social Science Division. A history major desiring to minor in political science is required to earn a total of 18 semester hours credit in political science and 36 semester hours credit in history. A history major minoring in social science must earn a total of 30 semester hours credit in history, 6 semester hours credit in political science, and 18 semester hours credit in social sciences.

Requirements for a minor in history	24 semester hours
History 107-108	6
History 207-208	6
Electives in advanced history	12

Requirements for a major in political science ..	30 semester hours
Political Science 201	3
Electives in political science	27

Requirements for a minor in Political Science ..	18 semester hours
Political Science 201	3
Electives in political science	15

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Certification Requirements for Social Science:

Minimum required hours must total 42, divided equally between history and the social sciences. The 21 hours in social science must cover a minimum of three of the subject areas. The student should divide this 21 hours as equally as possible.

HISTORY AND POLITICAL SCIENCE

107. Western Civilization

A survey of Western civilization from its pre-Greek origins to 1660. Required of all freshmen. Fall, spring; three recitations weekly. Credit, 3 semester hours.

108. Western Civilization (cont'd)

A continuing survey of Western civilization from 1660 to the present, stressing the worldwide influence of Western culture. Required of all freshmen. Fall, spring; three recitations weekly. Credit, 3 semester hours.

207. American History

A survey of the development of the American Nation from the discovery of America to the outbreak of the Civil War. Fall, spring; three recitations weekly. Credit, 3 semester hours.

208. American History (cont'd)

A continuing survey of the development of the American Nation from the outbreak of the Civil War to the present. Fall, spring; three recitations weekly. Credit, 3 semester hours.

305. United States Colonial History

A study of societal developments in North America from the legendary Celts and Norsemen to the rise of insurgency against parliamentary reforms in the mid-eighteenth century. Fall; three recitations weekly. Credit, 3 semester hours.

306. United States Revolutionary and Early National History

A study of the rise of the American Nation from the insurgency against parliament in the mid-eighteenth century to the end of the Federalist period. Spring; three recitations weekly. Credit, 3 semester hours.

308. History of the South

A political, economic and cultural study of this section; the growth of sectionalism; the South and the War of 1812; and the conflict leading up to the outbreak of the Civil War. Fall; three recitations weekly. Credit, 3 semester hours.

317. Greek History

A survey of Greek history; brief treatment of Minoan and Mycenaean origins; detailed account of the Hellenic Age and brilliant achievements of the Periclean Age; reasons for historical conditions of democratic ideals; rise of the Macedonian Monarchy; the world state idea of Alexander the Great and the basic characteristics of the cosmopolitan Hellenistic culture that followed it, until Greece was overshadowed by the rising power of Rome. Fall; three recitations weekly. Credit, three semester hours.

318. Roman History

A survey of Roman history from origins in a petty City-State to a universal Christian Empire: origins and development of the republican institutions; conquest of Italy and the Mediterranean world; detailed analysis of the fall of Republic and establishment of the rule of the Caesars; growth of a universal Commonwealth under the Pax Romana; relations of the Imperial Government to Hellenism and Christianity. Spring; three recitations weekly. Credit, 3 semester hours.

321. United States History, The Jeffersonian-Jackson Era

Prerequisite: History 207-208

Studies in the expansion and development of American institutions and society in the era of the rise of the common man; from Republican origins under Jefferson through the Jacksonian epoch to the Whig insurgency under Harrison and Tyler. Fall; three recitations weekly. Credit, 3 semester hours.

327. History of North Carolina

A study of selected phases of the development of North Carolina from colonial beginnings to the present. Fall; three recitations weekly. Credit, 3 semester hours.

341. Economic History of the United States

Prerequisite: History 107-108

An historical study of American agriculture, labor, industry, and commerce, with emphasis on the relation of government to the economy. Fall; three recitations weekly. Credit, 3 semester hours.

343. United States History, 1877-1914

A study of American History from the time of the Bloody Shirt through the Populist Movement and the Progressive Era. Fall; three recitations weekly. Credit, 3 semester hours.

351. History of England

A survey of the political, economic, and social development of England through the reign of Elizabeth I (1558-1603). Fall; three recitations weekly. Credit, 3 semester hours.

352. History of England and the British Empire, 1603 to present

A survey of the expansion of England, the industrial revolution, the Empire, and the Commonwealth. Spring; three recitations weekly. Credit, 3 semester hours.

353. Russian History

A survey of Russian history with due attention to each major period: the creation of the Grand Principality of Kiev; the conversion of Russia; the Tartar Yoke; the emergence of Moscovite Russia as the heir of Byzantium and the "Third Rome;" the "Time of Troubles" and accession of the Romanov Dynasty; the westernization of Russia by Peter the Great and Catherine the Great; the Napoleonic invasion; problems and progress of 19th century Russia; the Revolution, and the Soviet Regime. Fall; three recitations weekly. Credit, 3 semester hours.

354. American History Since 1900

An analysis of problems growing out of social, economic, and political conditions since 1900. Spring; three recitations weekly. Credit, 3 semester hours.

376. Problems in Contemporary Civilizations

A study of current problems of historical, social, and philosophical significance based on research in current literature, with the aim of debating and discussing said problems during class meetings. Fall, spring; three recitations weekly. Credit, 3 semester hours.

377. U. S. Diplomatic History to 1889

A survey of the factors, forces, and functions that shape foreign policy. Among the topics emphasized will be: the role of public opinion in American foreign relations, Jefferson and Hamilton, the Jay and Pinckney Treaties, Washington's Farewell Address, reasons for the War of 1812, the Monroe Doctrine, the Oregon Treaty, reasons for the Mexican War, the Civil War diplomacy of the North and South, and post Civil War Expansionism. Fall; three recitations weekly. Credit, 3 semester hours. (This course may earn political science credit.)

378. U. S. Diplomatic History, 1889 to the Present

A survey of the movement from isolationism to world leadership, the reasons for the Spanish-American War, the Open-Door Policy, the Caribbean policy, reasons for American involvement in World War I, the defeat of the Versailles Treaty, the twenties, the Washington Arms Conference, the thirties, reasons for our involvement in World War II, the Yalta Conference origins of the Cold War, the Korean War, and currents in American foreign policy since 1952. Spring; three recitations weekly. Credit, 3 semester hours. (This course may earn political science credit.)

379. History of the German Nation

A study of the development of the German Nation from the earliest times to the present. Fall; three recitations weekly. Credit, 3 semester hours.

380. History of the French Nation

France at the close of the Middle Ages; the French Renaissance and Reformation; the Religious Wars; the Age of Louis XIV; France and the second Hundred Years' War; the Age of Reason; Absolutism; the Revolutionary Era; Napoleon; the Restoration of the Bourbons; the turbulent Thirties and Forties; Napoleon III and the Second Empire; the Third Republic and Colonialism; World War I, Versailles, and the Quest for Collective Security; World War II and Vichy Regime; the Fourth Republic and Colonial Reorganization; the Fifth Republic and General de Gaulle. Spring; three recitations weekly. Credit, 3 semester hours.

381. Colonial Latin American History

A survey of the Spanish and Portuguese Empires through the Wars for Independence. Fall; three recitations weekly. Credit, 3 semester hours.

382. South America Since Independence

A study of South America from independence to the present. Spring; three recitations weekly. Credit, 3 semester hours.

383. Mexico and the Caribbean Since Independence

A survey of the republics of Mexico, Central America, and the Caribbean Islands. Fall; three recitations weekly. Credit, 3 semester hours.

406. The Middle Ages

A survey of the Middle Ages from the fall of the Roman Empire to the beginnings of the Renaissance. Fall, spring; three recitations weekly. Credit, 3 semester hours.

408. Renaissance and Reformation

The decline of the Papal Church during the Babylonian Captivity, Great Schism, and Conciliar Movement; decay of secular institutions at the end of the Middle Ages; the revival of Classical learning, art, and ideals of life; the Italian and Northern Renaissance; Lutheranism, Calvinism, and Anglicanism, with a consideration of the political and economic as well as religious causes of the break-up of the unity of the Church; the Catholic Reformation. Spring; three recitations weekly. Credit, 3 semester hours.

410. Eighteenth Century Europe, 1715-1815

A survey of the intellectual, social, cultural, and political aspects of the 18th Century in Europe: the *Ancien Regime*; the Seven Years War; the French Revolution; and the Napoleonic Era. Fall; three recitations weekly. Credit, 3 semester hours.

414. Nineteenth Century Europe, 1815-1914

A study of the political, social, and economic development of Europe from the Congress of Vienna to the outbreak of the First World War: the Metternich System; the Revolutions of 1830 and 1848; the Second French Empire; the Unification of Italy; the Franco-German War; the founding of the German Empire; the International Anarchy; the Causes of World War I. Spring; three recitations weekly. Credit, 3 semester hours.

416. Twentieth Century Europe

A study of conflict and cooperation in an area of global war, with emphasis on the inter-action of democracy, communism, fascism, and imperialism. Spring; three recitations weekly. Credit, 3 semester hours.

418. Sectionalism and Conflict in Ante-Bellum American History

A study from the time of Thomas Jefferson of the sectionalism and conflict that led to civil war in the United States. Spring; three recitations weekly. Credit, 3 semester hours.

420. Civil War and Reconstruction, 1861-1877

An analysis of the causes of the Civil War; the military, diplomatic, and economic aspects of the War; Presidential and Congressional Reconstruction; corruption of the Grant regime; virtual disappearance of the Planter Class as a leadership group; emergence of the poor whites of the South; impact of Reconstruction legislation on the emergence of the New South. Spring; three recitations weekly. Credit, 3 semester hours.

424. U. S. Social and Intellectual History

The daily life, institutions, intellectual and artistic achievements of the American people from 1607 to the present; three recitations weekly. Credit, 3 semester hours.

427. U. S. Constitutional Law and History to 1865

Prerequisites: Political Science 201 and History 207-208.

A study of the origins and development of American constitutionalism through an analysis of the documents which illustrate the con-

flicts over principles and their resolution into basic constitutional concepts. Fall; three recitations weekly. Credit, 3 semester hours. (This course may earn political science credit.)

428. U. S. Constitutional Law and History, 1865 to present

Prerequisites: Political Science 201 and History 207-208.

A continuation of the above. Spring; three recitations weekly. Credit, 3 semester hours. (This course may earn political science credit.)

429. United States History, Upper-Division Seminar

Prerequisites: 21-24 hours in U. S. History; permission of the professor.

Studies in specially selected topics in United States History involving standard reference, research, and writing techniques. Fall or spring; three recitations weekly. Credit, 3 semester hours.

430. Economic History & Problems of Latin America

Evolution of the economies of Latin America with particular emphasis on present structures and problems, considered in the regional country and sub-regional contexts. Spring; three recitations weekly. Credit, 3 semester hours.

POLITICAL SCIENCE

201. American National Government

An introductory study of: (1) the basic concepts of political science, (2) a brief history and the basic principles of the constitution, (3) the structure, functions of, and the relations between the legislative, executive and judicial branches of the national government, and (4) the relations between the national and state governments. Fall and spring; three recitations weekly. Credit, 3 semester hours.

204. American State and Local Government

Prerequisite: Political Science 201, or an acceptable substitute. An analytical and comparative study of: (1) the constitutions of states, (2) the structure, powers, functions of, and relations between, the legislative, executive and judicial branches of the state and local governments, (3) the relations between the national and state governments, between the states, and between the state and local governments, and (4) the structure, powers and functions of the state government of North Carolina. Fall or spring; three recitations weekly. Credit, 3 semester hours.

302. Problems in American Government

A study of contemporary problems in governmental policies relating to labor, agriculture, business, and other areas of our life. Spring; three recitations weekly. Credit, 3 semester hours.

303. Comparative Government

Prerequisite: Political Science 201.

An analytical and comparative study of: (1) the structure, functions of, and the relations between the legislative, executive and judicial branches of the national governments of the major powers: France, Germany, Great Britain, and the Soviet Union, (2) the role played by the political parties in the government, (3) the relations between the national and the state governments and (4) the special features

of the different forms of government, e.g. the differences between the unitary, federal and confederate governments, the presidential and parliamentary governments, and the authoritarian and democratic governments. Fall or spring; three recitations weekly. Credit, 3 semester hours.

401. Political Parties and Interest Groups in the United States

Prerequisite: Political Science 201.

The history, development, organization, functions and purposes of the major parties and interest groups, and the role played by them in the policy-making and election of the government. Fall or spring; three recitations weekly. Credit, 3 semester hours.

402. Seminar in American Government

Prerequisite: Political Science 201.

A study of selected problems, either in theory or in practice, in American Government with readings, discussions and papers on these problems. Fall and spring; three recitations weekly. Credit, 3 semester hours.

403. Political Thought

Prerequisite: Political Science 201.

A study of the historical and conceptual background of political thought from Plato to the contemporary political thinkers. The emphasis will be placed on the theoretical and practical differences between the democratic and the authoritarian (fascism and communism) governments and their respective merits and defects. Fall and spring; three recitations weekly. Credit, 3 semester hours.

404. Public Opinion and Pressure Groups

A study of propaganda and pressure groups. Spring; three recitations weekly. Credit, 3 semester hours.

405. Soviet Government

A study of the government that emerged after the Revolution of 1917, emphasizing the subsequent power struggle and gradual development of the U.S.S.R. Fall; three recitations weekly. Credit, 3 semester hours.

406. Legislative Process in the United States

Prerequisite: Political Science 201.

A study of: (1) the distribution of the legislative power in the three branches of the government, (2) the structure and functions of the legislature, (3) the actual process of legislation both in the national and state governments, its defects and remedies, and (4) the attainment of responsible and responsive government. Important legislative problems will be selected and will serve as a basis for analyzing the legislative process. Fall or spring; three recitations weekly. Credit, 3 semester hours.

407. International Organizations

A study of: (1) the theoretical and actual development of an international organization, (2) the structures and functions of the principal organs of the United Nations and their relations to each other, (3) the comparison between the Covenant of the League of Nations and the Charter of the United Nations, and (5) the general concepts of the regional arrangements such as: NATO, the OAS, the SEATO,

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etc. Fall and spring; three recitations weekly. Credit, 3 semester hours.

408. International Politics in the Western Hemisphere

Political relations of the American Republics in the 19th and 20th centuries, the development of Pan Americanism and Organization of American States. Spring; three recitations weekly. Credit, 3 semester hours.

409. Recent Trends in Latin American Politics and Government

An examination of the types of government, recent developments, and current political conditions in selected Latin American republics. Fall; three recitations weekly. Credit, 3 semester hours.

410. International Politics and Relations

Prerequisite: Political Science 407.

An analysis of politics and relations among nations: (1) sovereignty, (2) domestic jurisdiction, (3) status quo, (4) Colonialism, (5) balance of powers, (6) alliance and neutrality, (7) peaceful adjustment of disputes, (8) disarmament, (9) standards of international conducts, (10) economic development and political advancement of the developing peoples. Fall or spring; three recitations weekly. Credit, 3 semester hours.

HOME ECONOMICS

Mrs. Lula M. Dallmann

Mrs. Cristina S. Long

Pembroke State College offers in its home economics program education for better home and family life and preparation for the professional areas open in the field of home economics. The scope of this program includes both the science and the art for better home living through the management of available resources. The nutritive value of foods, the selection, construction, and care of clothing, budgeting, health habits, housing, family relationships, and child development are studied as basic knowledge for all phases of life.

Senior home economics majors live in the Home Management House for six weeks where they have actual experience in making a house a home. The house is also used by students in other courses primarily concerned with the home, its equipment and furnishings.

Requirements for a major in Home Economics:

Home Economics 101, 111, 112, 221, 222, 301, 303, 321, 401, 402, 421, 422.

Education 357

Art (3 semester hours)

Biology 101-102

Chemistry 111-112

Physics 314

Sociology 303

Elective hours in Home Economics, 6 semester hours.

Requirements for a minor in Home Economics:

Home Economics 111, 112, 303, 401, 322

Elective hours in Home Economics, 4 semester hours.

CERTIFICATION REQUIREMENTS FOR HOME ECONOMICS

Minimum required hours must total 48. Eighteen hours must be taken in related areas and thirty hours in technical areas under Related and Technical Areas in such a way as not to minimize any of the areas.

101. Textiles

A study of fibers, the various methods of fabric and clothing production, and the application of the latest technological developments in these areas. Designed to develop intelligent purchases and proper care of textile merchandise. Fall; two recitations, one double laboratory period weekly. Credit, 3 semester hours.

111. Food for the Family

Theory and practice in planning, marketing, storing, preparing, and serving of food for family meals and special functions. Fall; one recitation, two double laboratory periods weekly. Credit, 3 semester hours.

112. Clothing for the Family

Study of family clothing needs, budgeting, and storage; construction of simple garments. Fall; one recitation, two double laboratory periods weekly. Credit, 3 semester hours.

221. Clothing Selection and Construction

Prerequisite: Home Economics 112.

Principles in selection of ready-made clothing, including study of design and fitting, economic factors, fabric, and quality workmanship. Application of principles. Spring; one recitation, two double laboratory periods weekly. Credit, 3 semester hours.

222. Food Selection and Preparation

Prerequisite: Home Economics 111.

Further study and practice in planning, marketing, preparing, and serving of food for family meals and special functions. Spring; one recitation, two double laboratory periods weekly. Credit, 3 semester hours.

301. Nutrition

Prerequisite. Home Economics 222; Chemistry 111-112.

A study of the fundamental principles of human nutrition and their application in the selection of diets at different cost levels and the adaptation of diet to common disorders. Fall; two recitations weekly. Credit, 2 semester hours.

302. Home Nursing and Family Health

A study of the prevention of illness, general procedure in caring for the sick in the home, physical care of infants, foods for the sick. Spring; two recitations weekly. Credit, 2 semester hours.

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303. Child Development

A study of the physical, mental, and social development of the child. Discussions of student reports on observations made and supervision of a child. Fall; three recitations weekly. Credit 3 semester hours.

304. Applied Dress Design and Construction

Prerequisite: Home Economics 221

Principles of flat pattern designing. Modifications of pattern in relation to fit. Spring; one recitation, two double laboratory periods weekly. Credit, 3 semester hours.

321. Consumer Education

Understanding processes in market organization, labeling and grading of commodities; consumer problems affecting cost in relation to clothing, food, and home furnishing. Spring; three recitations weekly. Credit, 3 semester hours.

351. House Planning

A course in housing, related to the home and its environment, its sociological, economic, and legal considerations, and the federal, state and local groups governing it. Fall; two recitations, one double laboratory period weekly. Credit, 3 semester hours.

401. Home Management and House Residence

Prerequisite: Home Economics 111, 222 and 321

Principles of management in relation to individual and family goals, and the use of resources in the home. Application of these principles through residence in the home management house. Fall and Spring; three recitations weekly. Credit, 5 semester hours.

402. Household Equipment

Fundamental principles and management involved in selection, arrangement, use and care of household equipment. Spring; two recitations weekly. Credit, 2 semester hours.

404. Food Preservation

Prerequisite: Home Economics 222

Principles and techniques in preservation of food. Application of the fundamental sciences and recent development in canning, drying, home freezing, and candy making. Spring; one recitation, two double laboratory periods weekly. Credit, 3 semester hours.

405. Institution Management

Administration and management of institutional food services. Job analysis, employee training, personnel relations, equipment requirements, and sanitation. Fall, 3 recitations weekly. Credit, 3 semester hours.

406. Diet Therapy

Prerequisite: Home Economics 301; Chemistry 111, 112

Role of nutrition and diet in the prevention or treatment of diseases. Spring; 3 recitations weekly. Credit, 3 semester hours.

421. Tailoring Techniques

Prerequisite: Home Economics 221

An advanced course in clothing construction. Designed to include all the fine details of tailoring, fitting, and pattern alteration. Construction of tailored garments. Fall; three double laboratory periods weekly. Credit, 3 semester hours.

422. Home Furnishings

A study of the house and its arrangements for satisfactory family living. Emphasis given to selection and arrangement of furniture and furnishings. Practical problems undertaken. Spring; two recitations, one double laboratory period weekly. Credit, 3 semester hours.

423. Historic Costume

A study of costume from ancient to modern times, with emphasis on social, economic, and historical aspects of dress. Spring; three recitations weekly. Credit, 3 semester hours.

431. Interior Decorating

Prerequisite: Home Economics 422

Application of art principles and elements in relation to home furnishing and decoration. Development of creative ability in interior design. Fall; two recitations, one double laboratory period weekly. Credit, 3 semester hours.

Education 357. Teaching Home Economics

A study of the organization and methods of presentation of subject matter adapted to high school home economics classes, texts, audio-visual materials, evaluation devices, and department equipment. Fall; three recitations weekly. Credit, 3 semester hours.

MATHEMATICS

Head: JAMES A. JACOBS

James L. Allen

Veeriah Kota
Gilbert L. Sampson

The purposes of the Department of Mathematics are to acquire and practice the fundamental mathematical skills for which there is a universal demand, to develop the ability to reason inductively and deductively, to lay a thorough groundwork for development in any field requiring mathematical skills for majors and minors, and to create a love for mathematics.

Requirements for a Major:

Mathematics 107, 108, 221, 222, 315, 321, 411, 423

Advanced elective hours in Mathematics, 3 hours

Students majoring in Mathematics should take Physics 111-112

Requirements for a Minor:

Mathematics 107, 108, 221, 222, 315

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105. Introduction to College Mathematics

Fundamental principles of mathematics including a study of elementary set theory and mathematical logic. Fall; three recitations weekly. Credit, 3 semester hours.

106. Introduction to College Mathematics

Prerequisite: Mathematics 105

An intuitive development of the real number system with emphasis on arithmetic properties; basic concepts of algebra and informal geometry. Spring; three recitations weekly. Credit, 3 semester hours.

107. College Algebra

A study of numbers, sets and functions, the real number system, quadratic equations, inequalities, systems of linear equations matrices and determinants, the binomial theorems, exponents and logarithms, theory of equations, permutations and combinations. Fall; three recitations weekly. Credit, 3 semester hours.

108. Plane Trigonometry

Prerequisites: Plane Geometry; Mathematics 107

A course including indirect measurement, solution of right triangles, functions of any angle, solution of oblique triangles, fundamental trigonometric relations, circular functions, solving triangles by use of logarithms, and complex numbers. Spring; three recitations weekly. Credit, 3 semester hours.

221. Calculus I

Prerequisite: Mathematics 108

The treatment of topics from algebra and analytic geometry, functions, limits, derivatives, applications of the derivative. Fall; four recitations weekly. Credit, 4 semester hours.

222. Calculus II

Prerequisite: Mathematics 221

A study of integrals, the fundamental theorem of the calculus, the definite integral, exponential and logarithmic functions, trigonometric and inverse trigonometric functions, formal integration, applications of the calculus. Spring; four recitations weekly. Credit, 4 semester hours.

305. Theory of Arithmetic

Fundamental principles of arithmetic including a study of elementary set theory, relations and their properties, structure of the number system. A junior or senior elective for students who have not taken Mathematics 106 or equivalent. Spring; three recitations weekly. Credit, 3 semester hours.

315. Calculus III

Prerequisite: Mathematics 222

A study of infinite series, polar coordinates, three-dimensional analytic geometry, functions of several variables, and multiple integration. Fall; four recitations weekly. Credit, 4 semester hours.

321. Introduction to Higher Algebra

Prerequisite: Mathematics 222

Introduction to number theory, groups, integral domains, rings, and fields. Spring; three recitations weekly. Credit, 3 semester hours.

322. Differential Equations

Prerequisite: Mathematics 315

Solution of elementary differential equations with various geometric and physical applications. Spring; three recitations weekly. Credit, 3 semester hours.

411. College Geometry

A study of the development of Euclidian geometry from the metric and synthetic approach and an introduction to Non-Euclidian geometry. Fall; three recitations weekly. Credit, 3 semester hours.

412. Theory of Equations

A study of complex numbers, the solution of higher equations, roots, symmetric functions, isolation of real roots, solution of numerical equations and determinants. Spring; three recitations weekly. Credit, 3 semester hours.

423. Linear Algebra

Prerequisite: Mathematics 321

A study of the real number field, vector spaces, determinants, linear transformations, and matrices. Fall; three recitations weekly. Credit, 3 semester hours.

431. Advanced Calculus

Prerequisite: Mathematics 315

Limits and continuity for functions of several variables, vector calculus, partial differentiation, implicit functions, improper and multiple integrals, line and surface integrals, infinite series. Fall; three recitations weekly. Credit, 3 semester hours.

441. Statistics

Prerequisite: Mathematics 107

An introductory course for either mathematics majors or students in other departments. Analysis of the basic principles of statistical methods from properties of distribution to sampling and statistical inference. Spring; three recitations weekly. Credit, 3 semester hours.

450. Mathematics for Secondary School Teachers

This course is for teachers seeking an interpretation of contemporary recommendations for the Mathematics Curricula and an understanding of modern concepts of mathematics as an aid in improving their classroom teaching. Emphasis is placed on the relationships between some of the basic concepts contained in contemporary recommendations for Secondary School Mathematics and their counterparts in the traditional curricula. Summer session; credit, 3 semester hours.

MODERN LANGUAGES

Head: REBA MILLSAPS LOWRY

Christina M. Downes
Jose Rodriguez
Maria Rodriguez (Laboratory Supervisor)

Marianne Scheele
Nicholas Yannacoureas

The Foreign Language Department offers courses in Spanish, French, German, and Latin: to give the student training in understanding, speaking, reading, and writing in a language other than

his own; to develop within the student an understanding and appreciation of the customs, language, and culture and another nation; to enable the student to broaden his academic horizon as an undergraduate and acquire a necessary tool for possible graduate study.

Students presenting two units in a high school language course and wishing to continue the study of that language should, after having satisfactorily passed a proficiency examination in the language, register in the intermediate course.

Requirements for a departmental major in French, 30 semester hours beginning with the intermediate course, including:

French 321, 322; 331; 355, 356;
Elective: 15 semester hours

Requirements for certification in the teaching of French, 30 semester hours beginning with the intermediate course, including:

French 321, 322; 331; 355, 356;
Elective: 9 semester hours

Requirements for a minor in French, 18 semester hours beginning with the intermediate course, including:

French 355 or 356
Elective: 9 semester hours.

A major in German is not available at present.

Requirements for a minor in German, 18 semester hours, beginning with the intermediate course, including:

German 355 or 356;
Elective: 9 semester hours.

Requirements for a departmental major in Spanish, 30 semester hours beginning with the intermediate course, including:

Spanish 321, 322; 355 or 356;
Elective: 15 semester hours.

Requirements for a certification in the teaching of Spanish, 30 semester hours beginning with the intermediate course, including:

Spanish 321, 322; 331; 355, 356;
Elective: 9 semester hours.

Requirements for a minor in Spanish, 18 semester hours beginning with the intermediate course, including:

Spanish 355 or 356;
Elective: 9 semester hours.

FRENCH

131-132. Elementary French

Introduction to understanding, speaking, reading, and writing French. Audio-lingual techniques, phonetics, pronunciation, diction, conversation, fundamentals of grammar, easy literary readings, simple compositions, civilization, geography, songs, realia, and audio-visualized instruction. For beginners, or those with one year of high school

French. Fall, spring; three recitations weekly. Credit, 6 semester hours.

231-232. Intermediate French

Prerequisite: 131-132, or two units of high school French and a good score on the French proficiency test.

Intensive practice in spoken and written patterns. Pronunciation, phonetics, diction, conversation, grammar review, introduction to French literature, and formal and free composition. Fall, spring; three recitations weekly. Credit, 6 semester hours.

321, 322. Survey of French Literature, History, and Civilization

Masterpieces of French Literature from the beginning to the present as an outgrowth of French history and civilization. Fall, spring; three recitations weekly. Credit, 6 semester hours.

331. Advanced French Grammar, Composition, and Linguistics

Further study of the morphological and syntactic structure of the French language, based on French literary masterpieces; vocabulary and idiom study; formal and free composition; comparison of French grammar-patterns with those of the other Romance Languages and English; and intensive practice in aural-oral French. Fall; three recitations weekly. Credit, 3 semester hours.

334. French Phonetics and Diction

Study of the phonemic structure of modern French; sounds; intonation; transcriptions; remedial drills; French phonological theory; and comparison of French sound-patterns with those of the other Romance Languages and English. Spring; three recitations weekly. Credit, 3 semester hours.

355, 356. French Conversation, Composition, and Civilization

Intensive practice in aural-oral French, based on contemporary French prose and civilization subject-matter; further study of grammar, vocabulary, and idiom; further training in formal and free composition. Fall, spring; three recitations weekly. Credit, 6 semester hours.

363, 364. Twentieth Century French Literature

Contemporary French criticism, drama, poetry, and novels with emphasis on neo-realistic and neo-romantic tendencies. Fall, spring; three recitations weekly. Credit, 6 semester hours.

435, 436. Nineteenth Century French Literature

Outstanding authors and their works in romanticism, realism, naturalism, and symbolism. Fall, spring; three recitations weekly. Credit, 3 semester hours.

441. Seventeenth Century French Literature

Outstanding authors and their masterpieces in the preclassical, classical and transition periods. Fall; three recitations weekly. Credit, 3 semester hours.

442. Eighteenth Century French Literature

Leading writers during the formation of the philosophical spirit, the philosophical struggle and the French Revolution. Spring; three recitations weekly. Credit, 3 semester hours.

GERMAN

131-132. Elementary German

Introduction to understanding, speaking, reading, and writing German. Audio-lingual techniques, phonetics, pronunciation, diction, conversation, fundamentals of grammar, easy literary and scientific readings, simple compositions, conversations, civilization, geography, songs, realia, and audio-visualized instruction. For beginners, or those with one year of high school German. Fall, spring; three recitations weekly. Credit, 6 semester hours.

231-232. Intermediate German

Prerequisite: 131-132, or two units of high school German and a good score on the German proficiency test. Intensive practice in spoken and written patterns. Pronunciation, phonetics, diction, conversation, grammar review, introduction to literary and scientific German, and formal and free composition. Fall, spring; three recitations weekly. Credit, 6 semester hours.

321, 322. Survey of German Literature

Study of German Literature from the earliest documents to the present. Conducted in German. Parallel reading and term paper in German will be required. Fall, spring; three recitations weekly. Credit, 6 semester hours.

331. Advanced German Grammar, Composition, and Linguistics

Further study of the morphological and syntactic structure of the German language, based on German literary masterpieces; vocabulary and idiom study; formal and free composition; comparison of German grammar-patterns with those of English; and intensive practice in aural-oral German. Conducted in German. Fall; three recitations weekly. Credit, 3 semester hours.

355, 356. German Conversation, Composition, and Civilization

Intensive practice in aural-oral German, based on contemporary German prose and civilization subject-matter; further study of grammar, vocabulary, and idiom; further training in formal and free composition. Fall, spring; three recitations weekly. Credit, 6 semester hours.

LATIN

131-132. Elementary Latin

Introduction to understanding, speaking, reading, and writing Latin. Audio-lingual techniques, pronunciation, diction, simple conversation, fundamentals of grammar, easy literary readings including Caesar, simple compositions, civilization, geography, songs, realia, and audio-visualized instruction. For beginners, or those with one year of high school Latin. Fall, spring; three recitations weekly. Credit, 6 semester hours.

231-232. Intermediate Latin

Prerequisite: 131-132, or two units of high school Latin and a good score on the Latin proficiency test. Further practice in simple conversation, pronunciation, diction, grammar review, civilization, introduction to Latin literature including Cicero and Vergil, formal and free composition. Fall, spring; three recitations weekly. Credit, 6 semester hours.

SPANISH

131-132. Elementary Spanish

An introduction to the language through drill in pronunciation, vocabulary, syntax, composition, conversation, strengthened by listening to records and tapes, reading of simple texts, study of customs and geography of Spanish-speaking countries. For beginners. Fall, spring; three recitations weekly. Credit, 6 semester hours.

231-232. Intermediate Spanish

Prerequisite: 131-132 or two units of high school Spanish. Development of a higher level of understanding of the language through review of the grammar, reading more serious literature, engaging in more serious conversation, listening to records and tapes, corresponding with students in Spanish-speaking countries. Fall, spring; three recitations weekly. Credit, 6 semester hours.

321. Survey of Spanish Literature from its Beginning to 1900

Survey of the literature from its beginning to 1900, as an out-growth of the history and civilization. Fall; three recitations weekly. Credit, 3 semester hours.

322. Survey of Spanish Literature from 1900 to the Present

Survey of Spanish literature from 1900 to the present, as an out-growth of the history and civilization. Spring; three recitations weekly. Credit, 3 semester hours.

331. Advanced Spanish Grammar, Composition, and Linguistics

Special attention to phonetics through oral reading and depth study in grammar, with application of all principles in written exercises. Fall; three recitations weekly. Credit, 3 semester hours.

355. Spanish Conversation

Provisions for extensive practice in oral Spanish, including drill in vocabulary, idiom, and basic linguistic structure. Fall; three recitations weekly. Credit, 3 semester hours.

356. Spanish Conversation and Composition

Provisions for practice in oral and written Spanish, including drill in vocabulary, grammar, and idiom. Spring; three recitations weekly. Credit, 3 semester hours.

363. Twentieth Century Spanish Literature

Study of the works of present-day writers. Fall; three recitations weekly. Credit, 3 semester hours.

364. Spanish-American Literature

Study of representative works of Spanish-American writers. Spring; three recitations weekly. Credit, 3 semester hours.

435. Nineteenth Century Spanish Prose

Study of lives and representative works of prominent writers of the period. Fall; three recitations weekly. Credit, 3 semester hours.

436. Nineteenth Century Spanish Drama

Study of the lives and works of prominent writers of the period. Spring; three recitations weekly. Credit, 3 semester hours.

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441. Spanish Literature of the Seventeenth Century
Study of representative works and authors. Fall; three recitations weekly. Credit, 3 semester hours.
442. Spanish Literature of the Eighteenth Century
Study of representative works and authors. Spring; three recitations weekly. Credit, 3 semester hours.

MODERN LANGUAGE EDUCATION

451. Education: The Teaching of Modern Foreign Languages
Study of immediate and ultimate objectives, methods and materials in audio-lingual teaching in the elementary and secondary schools, textbook evaluation, special programs, realia, audio-visual aids, modern written and aural-oral testing. Fall; three recitations weekly. Credit, 3 semester hours.

MUSIC

Head: ELMA L. RANSOM

Frederick Bohrer
Doris Johnson

Francis L. Pfeifer

The purposes of the Department of Music are three-fold: to provide an enriching supplement to a liberal arts education through study of music as it fits the culture and history of the world; to offer an adequate program of studies for those who have the teaching profession as a goal; and to meet the certain social needs of the students for group participation such as can be found in the vocal and instrumental musical organizations of the College.

Requirements for a Major in General Music: 48 hours including:

Music Theory and Harmony

Music 131 through 432 (Theory I through VII), 14 hours

Music 323 Arranging, 2 hours

Music History and Appreciation

Music 337-338, 6 hours

Music Education

Music 405, Music Education in Grades 1 through 6, 3 hours

Education 354, Teaching Music in Secondary Schools, 3 hours

Music 320, Conducting, 2 hours

Applied Music, 18 hours, including:

Chorus, Band, Piano, Voice, Instruments (Brass, Percussion, and Woodwind). Music Majors must participate in either band or chorus when total number of credit hours permit.

It is understood that all General Music Majors will take an academic minor in instrumental music.

Requirements for a major in Instrumental Music: 48 hours, including:

Music Theory and Harmony

Music 131 through 432 (Theory I through VII), 14 hours

Music 323, Arranging, 2 hours

Music History and Appreciation

Music 337-338, 6 hours

Music Education

Music 320, Conducting, 2 hours

Music 405, Music Education in Elementary School, 3 hours

Education 354, Teaching Music in Secondary Schools, 3 hours

Applied Music

Major Instruments, 6 hours

2 Minor Instruments, 6 hours (3 hours each minor)

(Piano is advised to be one of the minor instruments)

Electives, 6 hours chosen from Band, Chorus, Instrument, Piano, Organ, or Voice

It is understood that all Instrumental Music majors will take an academic minor in general music courses.

Requirements for a Minor in Music: 18 hours, including:**Music Theory and Harmony**

Music 131 through 231 (Theory I through III), 6 hours

Music Education

Music 320, Conducting, 2 hours

Music 354, Teaching Music in the Secondary School, 3 hours

Applied Music

Electives in applied music totaling 7 hours chosen from Chorus, Band, Instruments, Piano, Organ, or Voice.

Requirements for a Minor in Sacred Music: 18 hours, including:**Applied Music**

Music 195 through 296, Organ, 4 hours

Music 191-192, Voice Class, 2 hours

Music 251-252, Private Voice, 2 hours

Music 100 through 201, Chorus, 4 hours

Music 490, Service Playing, 1 hour

Music Education

Music 320, Conducting, 2 hours

Music 390, Church Choir, 3 hours

CERTIFICATION REQUIREMENTS FOR GENERAL AND INSTRUMENTAL MUSIC

Minimum required hours must total 48 semester hours each for the areas of General and Instrumental Music, covering at least 5 subject categories.

THEORY AND GENERAL MUSIC

131-132. Theory I-II: Fundamentals, Beginning, and Intermediate Ear Training

Fundamentals of Music and beginning ear training through singing and listening, reading notation, beginning part singing. Required of all music majors. Fall-spring; two recitations weekly. Credit, 4 semester hours.

231-232. Theory III-IV: Elementary Harmony and Advanced Training

Prerequisite: Theory I-II

A course beginning with scales, intervals, and chord formation. Harmonizing melodies and figured basses on paper and at the keyboard through the dominant seventh chord and inversions. Ear-training on harmonic level. Required of all music majors. Fall-spring; two recitations weekly. Credit, 4 semester hours.

331-332. Theory V-VI: Keyboard Harmony and Form and Analysis

Prerequisite: Theory I-II, III-IV.

A study of cadences, modulations, extemporaneous harmonization of melodies at the piano, leading to harmonic analysis of certain standard literature through an understanding of its form and design. Required of all general music majors. Fall-spring, two recitations weekly. Credit, 4 semester hours.

432. Theory VII: Counterpoint

Prerequisite: Theory III

A study of sixteenth through eighteenth century contrapuntal techniques with written work in two through four-part voice writing and setting typical texts. Fall; two recitations weekly. Credit, 3 semester hours.

230. Introduction to the Appreciation of Music

The development of a familiarity with, and an understanding of good music. Mention made of the History of Music, course of reading prescribed, forms found in music of different periods, with emphasis on listening and the relationship of music to general cultural development. Fall or spring; three recitations weekly. Credit, 3 semester hours. Not open to music majors.

309. Basic Music for the Elementary Teacher

(Not open to music majors)

A course for elementary majors who need training in the fundamentals and use of music in the classroom. Includes a study of the various systems of reading notation and the study of the use of song-bells, auto-harp, and recorder-type instruments as well as the method of conducting the listening, rhythmic, and singing activities of the classroom. Required of all elementary education majors. Fall or spring; three recitations weekly. Credit, 3 semester hours.

320. Conducting

Prerequisite: A fair reading knowledge of music

Designed for music majors; includes a study of hymns, standard anthems, and baton techniques. Practical experience conducting the College Band or Chorus. Fall; two recitations weekly. Credit, 2 semester hours.

323. Arranging

Prerequisite: Theory III

A practical study of the fundamentals of scoring, the family of instruments, and the individual instruments as members of ensembles, covering a variety of problems ranging from simple four-part songs through piano and organ compositions to involved instrumental works. Spring; two recitations weekly. Credit, 2 semester hours.

337-338. History and Appreciation of Music

A study of the development of music, beginning with the music of primitive people through the ancient cultures, early folk music, the development of instruments, the three great schools of church music, opera, oratorio, and the eighteenth century classic period to the present day; supplemented with the recordings for analysis and recognition. Fall-spring; two recitations weekly. Credit, 6 semester hours. Required of all music majors.

390. The Church Choir

Materials and methods in the direction of church choirs. Emphasis placed upon music selection, techniques of handling youth and adult choirs, and the role of the music director in the church. Fall; three recitations weekly. Credit, 3 semester hours.

404. Senior Recital

Offered to senior music majors participating in a Senior Public Recital. Fall or spring. Credit, 1-2 semester hours.

490. Service Playing

A studying of the forms of the services of the Catholic, Jewish, and Protestant faiths. Students to be free for Sunday morning visitations to churches. Experience given in the service playing of selected faiths. Spring; one recitation weekly. Credit, 1 semester hour.

APPLIED MUSIC

Private study is offered in piano, organ, voice and band instruments. In each of these fields the work will be adapted to the needs of the individual students. Courses in applied music are required of all music majors, but may be elected by students not majoring in music.

1. Music majors must participate in either Band or Chorus when total number of credit hours permit.
2. Applied music lessons require a minimum of five practice hours weekly.
3. Music majors must participate in a student music recital once per semester.

PROFICIENCY EXAMINATION FOR THE GENERAL AND INSTRUMENTAL MUSIC MAJOR

The music teacher must be able to read, transpose, and improvise piano accompaniments for the classroom, assembly singing and other occasions. This skill may be achieved prior to college en-

trance, in class or private instruction, within the curriculum or in extra-curricular study.

When a student is preparing primarily for instrumental teaching, his preparation should enable him to demonstrate the basic technique and tone quality of a representative instrument from the instruments commonly used in school bands and orchestras. A proficiency examination testing the accomplishments of these skills will be given at the end of the second year of study.

81-82. Introduction to Piano

For students with no previous experience in music. Arrangements for lessons made through the department of music. College credit to be given for piano when a degree of proficiency is attained in performance.

181-182. Beginning Class Piano

For students with a limited knowledge of piano. Group instruction on electronic piano. Introduction to the skill of playing the piano through easy piano literature. Background of chord playing leading to reading and playing hymns. Fall-spring. Credit, 2 semester hours.

281, 282, 381, 382; 481, 482. Piano

Technical studies and building of repertoire. Selected piano literature. Two thirty-minute lessons weekly, or one fifty-minute lesson weekly at the discretion of the instructor in charge. Credit, 1 hour per semester.

195, 196; 295, 296; 395, 396; 495, 496. Organ

Prerequisite: Five years of Piano and/or permission of the instructor.

195-196 Handel—Little Fugues
Dupre—Chorales, Opus 28
Bach—Short Preludes and Fugues

295-196 Bach—Orgelbuchlein
Dupre—Fifteen Pieces, Opus 18

395-396 Bach—D Minor Toccato and Fugue
D'Aquin—Noels

495-496 Boellman—Suite Gothique
Bach—a major work for organ

These minimum requirements will be supplemented by representative works of Buxtehude, Brahms, Franck, Widor, Vierne, and others. One-fifty minute lesson weekly. Credit, 1 hour per semester.

191-192. Voice Class

Principles of correct breathing, formation, and correct tone placement, and elementary exercises for the development of the voice. Special attention given diction, phrasing, and expression. Two rehearsals weekly. Credit, 1 hour per semester.

171, 172; 271, 272; 371, 372; 471. Band Instruments

A concentrated study on a selected instrument through private or small group instruction. Two half-hour lessons, or one fifty-minute lesson weekly at the discretion of the instructor. Credit, 1 hour per semester.

251, 252; 351, 352; 451, 452. Voice

Prerequisite: Music 191-192 or by permission of the instructor. A concentrated study in voice through private instruction. Two half-hour lessons weekly, or one fifty-minute lesson weekly at the discretion of the instructor. Credit, 1 hour per semester.

COLLEGE BAND

The College Band forms an integral part of college life and is an all-college organization. Membership is open to all men and women. The band is a valuable laboratory for instruction in instruments. and students desiring to become teachers and performers will find participation in the band of great value.

141, 142; 241, 242; 341, 342; 441, 442. College Band

Membership for advanced classification by permission of instructor. (Beginners are advised to take Music 171, Brass, Wind, Percussion, or Beginners' Band Class.) Extensive music is played, and public appearances made in both parades and concerts. Fall, spring; three rehearsals weekly. Credit, 1 hour per semester.

COLLEGE CHORUS

The College Chorus is open to music students and others who have musical talent and who are interested in singing. The Chorus appears in public concerts throughout the year.

100, 101; 200, 201; 300, 301; 400. College Mixed Chorus

Opportunities to sing many different types of choral literature; frequent public appearances. Fall, spring; three rehearsals weekly. Credit, 1 hour per semester.

MUSIC EDUCATION AND METHODS

405. Music Education in Grades one through six (1-6)

Prerequisite: Theory I-IV or the equivalent

A study of the various texts and materials in music in the public school; emphasis placed on selection and presentation of rote songs, development of the child's singing voice, grades 1 through 6 coordination of the music activities in the public school. Required of all music majors. Fall; three recitations weekly. Credit, 3 hours per semester.

Education 354. Music Education in the Secondary School

Junior and senior high school methods. Organization and procedures in vocal and instrumental musical organizations in junior and senior high schools. Fall or spring; accelerated. Credit, 3 hours per semester.

Music 450. Workshop in Elementary Music Education

A workshop in elementary music for the in-service teacher who wishes further help in presenting such musical activities as easy-to-play instruments, musical programs, and further understanding of music in the public school. Offered in summer school only. Credit, 3 semester hours.

PHILOSOPHY AND RELIGION

OTIS G. CARNES

I. RUTH MARTIN

Philosophy has long been considered an integral part of the liberal arts program. The courses presented here are planned to give the inquiring student an introduction to this broadening discipline.

The purposes of the Religion courses are to relate the study of Biblical Literature and Religions to the total college program with the aim of helping the student meet the needs of one planning to take an active part in community life or to prepare the student who plans graduate study in this area. In order to help fulfill the aim of the individual student, courses are to be selected in conference with the chairman. In this way, the student who plans to teach, to do graduate work, and/or to work in religious organizations will be guided in the best direction.

REQUIREMENTS FOR A MINOR IN PHILOSOPHY AND RELIGION, 18 semester hours in the department, except that P300 cannot be counted.

PHILOSOPHY

300. Introduction to Philosophy

Designed to give an introduction to the nature and scope of questions arising in the ever-changing areas of life through an introduction to the problems and types of philosophy men live by in the work-a-day world. Fall; spring; three recitations weekly. Credit, 3 semester hours.

302. Introduction to Logic

A study of the principles and basic patterns of correct thinking. Spring; three recitations weekly. Credit, 3 semester hours.

304. Introduction to Ethics

An attempt to answer the question: What is the good Life? Emphasis is placed on methods of approaching the problems both as it involves the individual and society. Spring; three recitations weekly. Credit, 3 semester hours.

306. Philosophy of Religion

An inquiry into the philosophical foundation of religious experience, the problems connected with belief and knowledge, faith and reason, the character and meanings of religious commitment. Spring; three recitations weekly. Credit, 3 semester hours.

307. Philosophy of Science

A study of the problems and human implications of the mathematical, physical, biological, and social sciences leading to philosophical synthesis of the relation of the sciences to man's life. Fall; three recitations weekly. Credit, 3 semester hours.

404. Psychology of Religion

A study of the many psychological aspects of religion and their meaning for personality development. Spring; three recitations weekly. Credit, 3 semester hours.

RELIGION

111. Origin and Background of the Bible

A historical study of how the Bible reached its present form. Consideration of influences, which determined its content and literary style. Fall; three recitations weekly. Credit, 3 semester hours.

112. Archaeology and the Bible

A study of the results of the exploration and excavation in the Holy Land for light shed on Biblical history, the art and civilization of Biblical peoples. Spring; three recitations weekly. Credit, 3 semester hours.

113. Life of Christ

A study of the life and teachings of Christ as they are presented in the four gospels with emphasis upon world conditions in His day and the significance of His death and resurrection. Fall; three recitations weekly. Credit, 3 semester hours.

114. Life and Letters of Paul

A study of the life and world of Paul with special consideration of his preparation and missions, his style and subject matter. Spring; three recitations weekly. Credit, 3 semester hours.

211. Survey of the Old Testament

A study of the Old Covenant with Israel, of the rise and fall of the Jewish nation under the judges and kings, the spiritual development of the people, and the literature of these periods. Fall; three recitations weekly. Credit, 3 semester hours.

212. Survey of the New Testament

Beginning with the life of Christ and continuing through first century of Christianity with emphasis on the writing of that age in correlation with the history of the Roman Empire. Spring; three recitations weekly. Credit, 3 semester hours.

311. Prophetic Literature of the Old Testament

Prerequisite: Religion 211

A study of the history and nature of prophecy, with special consideration given to the times and messages of Amos, Hosea, Jeremiah, and Ezekiel. Fall; three recitations weekly. Credit, 3 semester hours.

312. Literature of World's Great Religions

Prerequisite: English 205-206

A survey and analysis of the great religious writings of the world, with emphasis on the life and teachings of Confucius, Buddha, and Mohammed. Fall, spring; three recitations weekly. Credit, 3 semester hours.

313. Old Testament Literature

Prerequisite: Religion 211

A consideration of great stories of the Old Testament from Genesis to Esther, with emphasis on their historical, literary, and ethical values. Fall; three recitations weekly. Credit, 3 semester hours.

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314. New Testament Literature

Prerequisite: Religion 212

A study of selected epistles, passages, and The Revelation with special attention given to the purpose, religious teachings, and general contents of each. Spring; three recitations weekly. Credit, 3 semester hours.

320. World Religions Seminar

A study of the religions of the world by visiting cathedrals and synagogues of Europe, mosques and temples of the Mediterranean area, and ancient places of worship in the Fertile Crescent by means of a college supervised tour of these areas and a seminar, including pre-departure orientation, en route lectures, and a formal resume. Summer session only. Credit, 3 semester hours.

411. Poetic Literature of the Old Testament

Prerequisite: Religion 211

A study of Job, the Psalms, Proverbs, Ecclesiastes, and Song of Solomon with consideration of literary form and religious teachings. Fall; three recitations weekly. Credit, 3 semester hours.

412. Christianity and Modern Problems

A consideration of the ethical teachings of the New Testament as they relate to society; special attention given to marriage, sexual relations, race prejudices, crime, and other social problems. Spring; three recitations weekly. Credit, 3 semester hours.

413. Principles of Religious Education

A consideration of basic principles of education in the church. A survey of the organization for a program of religious education used by various churches. Fall; three recitations weekly. Credit, 3 semester hours.

414. History of Christianity

A study of Christian life and thought and the development of the Christian Church after Paul through the time of Martin Luther. Spring; three recitations weekly. Credit, 3 semester hours.

PHYSICAL SCIENCE

Head: JOHN M. FLOWERS

Charles Bartlett
Caryl Howard

Andrew Ransom

The purpose of the Department of Physical Science is to acquaint the student with the scientific method as applied to the physical phenomena of the universe. The courses are designed to provide an understanding of the search for scientific knowledge, the techniques used in that search, and the important laws and theories of the major sciences.

Requirements for a Major in Chemistry* 30 hours
 Chemistry 111-112 8
 Physics 111-112 8
 Mathematics 107-108 6
 Advanced Electives in Chemistry 14
 Students majoring in Chemistry must earn 6 hours credit in
 Calculus.

Biology 101-102 is recommended.

Requirements for a Minor in Chemistry 18 hours
 Chemistry 111-112 8
 Advanced Electives in Chemistry 10
 Physics 111-112 is recommended.

Requirements for a Minor in Geology 18 hours
 Geology 111-112 8
 Advanced Electives in Geology 10
 Students minoring in Geology are required to earn credit in
 Principles of Geography. Chemistry 111-112 and Biology 101-
 102 are recommended.

Requirements for a Minor in Physics 18 hours
 Physics 111-112 8
 Advanced Electives in Physics 10
 Chemistry 111-112 is recommended.

CHEMISTRY

111, 112. General Chemistry

This is an introduction to the methods, materials, and principles of inorganic chemistry and organic chemistry. Fall, spring; three recitations, one double laboratory period weekly. Credit, 8 semester hours.

221. Qualitative Analysis

Prerequisite: Chemistry 111-112.

A course covering the principles and techniques required in qualitative separation and identification of inorganic cations and anions. Fall; two recitations, two double laboratory periods weekly. Credit, 4 semester hours.

222. Quantitative Analysis

Prerequisite: Chemistry 221.

A course covering the principles of gravimetric and volumetric analysis. Correct laboratory procedures stressed. Spring; two recitations, two double laboratory periods weekly. Credit, 4 semester hours.

321-322. Organic Chemistry

Prerequisites: Chemistry 111-112.

A study of the aliphatic and aromatic carbon compounds with special emphasis on structure, major reactions, and reacting mechanisms. Fall, spring; two recitations, two double laboratory periods weekly. Credit, 8 semester hours.

* This meets certification requirements.

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323. Biochemistry

Prerequisites: Chemistry 321-322.

The chemical constitution of living matter. Biochemical processes as well as compounds are studied. Fall; two recitations, one double laboratory period weekly. Credit, 3 semester hours.

423. Qualitative Organic Analysis

Prerequisite: Chemistry 321-322.

A study of class reactions, functional groups, separation, identification. Preparation of derivates. Fall; two recitations, two double laboratory periods weekly. Credit, 4 semester hours.

425-426. Physical Chemistry

Prerequisites: Two years chemistry, mathematics through calculus, and consent of the instructor required. A theoretical and mathematical treatment of the fundamental laws and theories underlying the science of chemistry. Fall, spring; three recitations, one double laboratory period weekly. Credit, 8 semester hours.

GEOLOGY

111-112. General Geology

Elementary laboratory course in physical and historical geology. (1) Physical Geology: rocks and minerals, erosion and sedimentation, vulcanism and metamorphism, mineral deposits, with laboratory studies in mapping, geologic structure, and elementary map and air photo interpretation. (2) Historical Geology: sedimentary and tectonic systems of North America and the world, fossils, plant and animal evolution, and Pleistocene glaciation. Fall, spring; three recitations, one double laboratory period weekly. Credit, 8 semester hours.

230. Physical Regions of the World

Survey of the major physiographic regions of the world by continents, with emphasis on geology, topographic features, climate, soils, vegetation, mineral resources, and economic potential. Spring; three recitations weekly. Credit, 3 semester hours.

241. Descriptive Meteorology

Introductory study of the elements of weather: temperature, humidity and precipitation, winds and air masses. The formation of air masses and fronts, their movements, associated clouds and storms. Interpretation of weather map, principles of forecasting. Fall; three recitations weekly. Credit, 3 semester hours.

242. Climatology

Characteristics of the earth's climates: analysis and classification of climatological data, climatic controls, area extent of major climatic types. Some background in elementary meteorology desired, but not required. Spring; three recitations weekly. Credit, 3 semester hours.

251. Descriptive Astronomy

Introduction to the field of astronomy: the solar system, identification and location of stars and constellations, stellar evolution, the Milky Way, extra-galactic systems, theories on the origin and nature of the universe. Fall; three recitations weekly. Credit, 3 semester hours.

- 361. Geomorphology**
 Prerequisites: Geology 111-112.
 Advanced study of land forms, with emphasis on dynamic processes: fluvial, solution, marine, glacial, periglacial, eolian, and volcanic. Review of early and recent concepts and theories. Analysis and interpretation of local and regional land forms. Fall; two recitations, one double laboratory period weekly. Credit, 3 semester hours.
- 400. Special Problems**
 Individual research problems in advanced areas of geology, with preparation of reports and/or a formal paper. Problems arranged with approval of staff. Credit, 1-3 semester hours.
- 460. Airphoto Interpretation**
 Principles of aerial photography and interpretation of airphotos by stereoscopic examination, with applications in geology, soils, land utilization. Spring; three recitations weekly. Credit, 3 semester hours.

PHYSICS

- 111-112. General Physics**
 Prerequisites: A student must be enrolled in, or have completed Mathematics 107-108.
 A general course covering the field of mechanics, properties of matter, light, sound, heat, magnetism, and electricity. Fall, spring; three recitations, one double laboratory period weekly. Credit, 8 semester hours.
- 217. Heat and Thermodynamics**
 Prerequisites: Physics 111-112.
 Fundamental principles of heat phenomena, laws of thermodynamics, equations of state for gases, changes of state, thermodynamic relations and their applications. Fall or spring; two recitations, one double laboratory period weekly. Credit, 3 semester hours.
- 218. Light and Physical Optics**
 Prerequisites: Physics 112 and a working knowledge of calculus.
 Basic phenomena of geometrical and physical optics, including polarization, and physical optics. Spring; two recitations, one double laboratory period weekly. Credit, 3 semester hours.
- 219. Sound and Acoustics**
 Prerequisites: Physics 112 and a working knowledge of calculus.
 A study of the basic theories in the field of sound and acoustics, with special application to the theory of musical sound. Fall; one recitation, one double laboratory period weekly. Credit, 2 semester hours.
- 314. Household Physics**
 A course studying machines of the home, heating, electrical appliances, water supply, lighting, refrigeration, air conditioning, cooking devices, and the automobile. Spring; one recitation, one double laboratory period weekly. Credit, 2 semester hours. Does not count on Physics minor.
- 321. Nuclear Physics**
 Prerequisites: Physics 111-112 and a working knowledge of calculus.
 A course including atomic structure, Roentgen rays, radio-activity, isotopes, nuclear structure, nuclear reactions, nuclear fission, and

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radio-active tracers. Fall; two recitations, one double laboratory period weekly. Credit, 3 semester hours.

322. Electricity and Magnetism

Prerequisites: Physics 117 and a working knowledge of calculus. A study of electrostatics, magnetic and electrostatic fields, capacitance, dielectrics, electric machinery and meters. Spring; two recitations, one double laboratory period weekly. Credit, 3 semester hours.

424. Elementary Electronics

Prerequisites: Physics 322 and a working knowledge of calculus and consent of the instructor.

A study of electron tubes, transistors, and basic circuits. Spring; two recitations, one laboratory weekly. Credit, 3 semester hours.

SCIENCE

305. Physical Science for Elementary Teachers

A discussion of man's knowledge about the world in which he lives. The essentials of Earth Science, Chemistry, Physics, and Evolution stressed. Fall or spring; three recitations, two laboratory periods weekly. Credit, 4 semester hours.

316. Elementary Photography

A study of fundamental principles and techniques of photography. Spring; one recitation, one double laboratory period weekly. Credit, 2 semester hours.

PSYCHOLOGY

Acting Head: JAMES F. HUBBARD

John Entrekin

The science of Psychology concerns itself with laws and processes of human behavior.

The courses in the Psychology Department are planned:

- I. To impart an understanding of the basic principles, methods and data of Psychology as a science and the application of this knowledge to problems of human adjustment.
- II. To prepare some majors for graduate study which may lead to a professional career in Psychology, since positions in the field usually require from one to four years of graduate training beyond the baccalaureate degree.
- III. To help prepare others for non-professional careers. Careers open to psychology majors include guidance and counseling, psychometrics, child welfare, clinical psychology, school psychology, social work, statistical analysis, opinion polling, personnel and industrial work, engineering psychology, college and university teaching and research, and research in federal and state agencies. Graduate training is required in the majority of these careers.

IV. The Psychology Laboratory.

a. Experimental Laboratory is designed for instruction in human and animal learning, small group interaction studies and factors involved in sensation and perception with emphasis on visual and auditory processes, and provide the opportunity for advanced students to research.

b. Psychometric laboratory should be equipped for training in the use of a variety of tests, such as intelligence, aptitude, and personality, and the use of psychometric instruments in research.

V. Requirements for a Major in Psychology—34 hours

Psychology 101, 200, 203, 204, 205, 301-302, 304, 401 or 403, 405, 406, 407.

Requirements for a minor in Psychology—18 hours

Any deviation from the major required courses must be approved in writing, by the Head of the Psychology Department.

101. Introductory Psychology

A systematic survey of Psychology as a natural science and a study of the basic principles in psychology. The functioning of the nervous system, growth, motivations, learning, thinking, drives, emotions, intelligence, and individual differences. Fall or spring; three recitations weekly. Credit, 3 semester hours.

200. Psychological Statistics

Prerequisite: Psychology 101

The application of statistical procedures to the analysis of psychological data and to problems of measurement in psychology and related fields. Fall; two recitations weekly, one double laboratory period weekly. Credit, 3 semester hours.

*202. Educational Psychology

A study of the learning procedure; the processes of learning; the implementation of the learning processes; the development of good study habits; test construction, evaluation and interpretation; transfer of learning; the biological antecedents of learning; academic-growth and implications associated with the exceptional child. Spring; three recitations weekly. Credit, 3 semester hours.

203. Introduction to Experimental and Quantitative Methods

Prerequisites: Psychology 101 and 200

An introduction to classical and contemporary problems in psychological research, general methods and techniques used in their solution, elementary psychological statistics and their applications. Fall, spring; two recitations, one two-hour laboratory period weekly. Credit, 3 semester hours.

204. Psychology of Adjustment

Prerequisite: Psychology 101

Analysis of principles by which habits and patterns of adjustment are learned, maintained, particularly as these principles have application to the emotional and social adjustment of the individual. Spring; three recitations weekly. Credit, 3 semester hours.

* This course cannot be used as credit toward a Major or Minor in psychology.

205. Developmental Psychology

Prerequisite: Psychology 101.

A survey of the psychological development of the child thru adolescence. Topics of special interest are psychoanalytic stages of development, child rearing practices, socialization process and personality development. Occasional special laboratory exercises scheduled. Fall; three recitations weekly. Credit, 3 semester hours.

301-302. Original Problems

Prerequisites: Psychology 200, 203; Consent of Department Head.

Research problems to be attacked experimentally or statistically by students majoring in the department. Emphasis placed on independent work with only guidance from the staff. Fall, spring. Credit, 4 semester hours.

*303. Psychology of Childhood (Child nature and development)

The development of the child from conception to the age of adolescence; physical mental, and social characteristics of the pre-school and school-age child; and a study of the major problems in child development in achieving desirable social adjustments. Fall; three recitations weekly. Credit, 3 semester hours.

304. History and Systems of Psychology

Prerequisite: Junior or Senior Majors.

A study of the major psychological concepts in ancient and early modern thinking. Major emphasis upon nineteenth and twentieth century developments in Germany, France, Britain, Russia and America. Fall; three recitations weekly. Credit, 3 semester hours.

305. Advanced Theory and Method: Learning

Prerequisites: Psychology 200, 203.

Advanced level course emphasizing current problems which are being attacked experimentally and theoretically. Journal literature to furnish an important source of material for group discussion in seminar fashion. Fall; three recitations weekly. Credit, 3 semester hours.

306. Advanced Theory and Method: Motivation

Prerequisites: Psychology 200, 203 and 305.

Advanced level course emphasizing current problems which are being attacked experimentally and theoretically. Journal literature to furnish an important source of material for group discussion in seminar fashion. Fall; three recitations weekly. Credit, 3 semester hours.

401. Physiological Psychology

A study of those aspects of physiology most relevant to psychological investigation: the anatomy and physiology of receptor and effector organs, the neuron and synapse, sensory and motor neural pathways, the integrative activity of the central nervous system, the automatic system and the action of hormonal factors. Spring; two recitations weekly, two hour laboratory period weekly. Credit, 3 semester hours.

402. Perception and the Cognitive Processes

Prerequisite: Senior Major elective.

A study of cognitive processes, including perceptual phenomena, with emphasis upon the techniques by which man represents his world

* This course cannot be used as credit toward a Major or Minor in psychology.

and the consequences of representation for behavior. Fall; three recitations weekly. Credit, 3 semester hours.

403. Psychological Testing—Theory and Practice

Prerequisite: Psychology 101 and 200.

Principles and concepts underlying Psychological Tests. Problems of psychological assessments by non-projective tests. Spring. Credit, 3 semester hours.

***404. Psychology of Adolescence**

A study and analysis of the physical, emotional, intellectual, and social development of the adolescent. This includes a study of the adolescent's relationships within the home, school, and community including delinquent patterns of behavior. Emphasis placed upon the transitional period from childhood to adulthood. Spring; three recitations weekly. Credit, 3 semester hours.

405. Abnormal Psychology

Prerequisites: Psychology 101, 204.

The etiology symptoms and therapy of behavior abnormalities including the neuroses, psychoses, epilepsies, speech disorders and mental deficiency. Spring; three recitations weekly. Credit, 3 semester hours.

406. Social Psychology

Prerequisite: Psychology 101

The role of social factors in the behavior of individuals and of groups, including such topics as attitudes, prejudice, leadership and personality and culture. Spring; three recitations weekly. Credit, 3 semester hours.

407. Psychology of Personality

Prerequisite: Psychology 101, 205.

The various theoretical approaches to the study of personality, with emphasis on trait theories, typologies, field theory and psychoanalysis. The determinants of personality development and methods of appraising personality. Fall; three recitations weekly. Credit, 3 semester hours.

* This course cannot be used toward a Major or Minor in psychology.

SOCIOLOGY AND GEOGRAPHY

Head: ABOLMAJD HOJJATI

Walter T. Stigall

The Department of Sociology and Geography offers a major and minor in Sociology. The purpose is:

- a. to acquaint the student with understanding human behavior in its varied social environments;
- b. to assist the student's understanding of the process of human interactions in his society;
- c. to give opportunities to the student to practice objectivity in his observation and study;

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- d. to provide basic instruction for student in preparation for graduate and advance study in Sociology and other related fields.

Requirements for a major in Sociology, 30 semester hours, including:

Sociology 201, 412 and 414.

Requirements for a minor in Sociology, 18 semester hours, including:

Sociology 201 and 15 elective hours offered by the department.

This department also offers a minor in Geography. Requirements for a minor in Geography, 18 semester hours, including: Geography 201, and 15 elective hours in Geography.

SOCIOLOGY AND ANTHROPOLOGY

201. Introduction to Sociology

A study of the characteristic of human group life; interrelationships of personality, society and culture; analysis of factors associated with development of man's group life and social environment; the influence of social structure upon individual's behavior. Fall and Spring; 3 recitations weekly, 3 credits.

202. Cultural Anthropology

A course examining the evolution of man and culture, cultures of the past and their relations to contemporary cultures; the role of culture upon human behavior. Fall or Spring; 3 recitations weekly, 3 credits.

303. The Family

Prerequisite: Sociology 201.

Required of all majors in Home Economics. The family as a central group in all societies; type of families, how they develop and change; the unique characteristic of the American family, its relation to the social institutions, the problems of the family in modern industrial societies; mate selection, courtship, husband-wife and parent-child relationships. Fall or Spring; 3 recitations weekly, 3 credits.

305. Rural-Urban Sociology

A course in rural and urban communities and their organizations; their social problems; their social changes and adjustments; their development and declines; their social planning and the relationships between the size and characteristics of the cities and human behavior. Fall; 3 recitations weekly, 3 credits.

307. Social Welfare

A historical development; philosophy and theory of social welfare; processes developed and specialties among social workers; personal and educational requirements for the career opportunities available; methods of caring for child and adult dependents and defectives; Federal, state, and community programs. Fall; 3 recitations weekly, 3 credits.

308. Population Problems

Social, economical and political problems related to the increase, changes, distribution, and movement of the population. The analysis of contemporary population trends in the United States and the world. Spring; 3 recitations weekly, 3 credits.

309. Social Problems

Prerequisite: Sociology 201

A general course dealing with contemporary social problems with special emphasis on personal and social maladjustment, deviations, conflicting values, and processes of adjustment to social changes. Spring; 3 recitations weekly, 3 credits.

401. Political Sociology

The concept and sociological approach to politics and social movements; economic development, democracy and voting behavior; social classes, social conflicts and political parties; the ideas, social psychology, social foundations, structure, organization, and functions of political and social process in Trade-unions. Fall; 3 recitations weekly, 3 credits.

402. Social Stratification

Prerequisite: Sociology 201

Relationships of social mobility to the system of social stratification; analysis of vertical and horizontal mobility; relationship of social mobility to social organization; the examination of social class structure in industrial society, with particular emphasis on the United States. Fall; 3 recitations weekly, 3 credits.

404. Sociology of Education

Functional basis of educational systems; their formal and informal organization; their relationships to the family, economy, and social classes; trend in social education; general education and citizenship training; the concepts of academic freedom and indoctrination. Spring; 3 recitations weekly, 3 credits.

405. Criminology

Prerequisite Sociology 201

The nature of crime; the statistics of criminal behavior; the nature of the criminal; the causes of conditions of illegal behavior, theories and practices in the treatment of criminals and the prevention of crime. Fall; 3 recitations weekly, 3 credits.

406. Minority Groups

Prerequisite: Sociology 201

An examination of inter-group strife as an aspect of social living; current conflicts between races and other ethnic minorities; prejudice, discrimination, assimilation, segregation, and integration. Spring; 3 recitations weekly, 3 credits.

407. Social Deviance

Prerequisite: Sociology 201

A course analyzing deviance as an aspect of social living: the problem of understanding conformity and deviance such as murder, suicide, prostitution, drug addiction, the hobo, etc., are considered. Spring; 3 recitations weekly, 3 credits.

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408. Social Change

Prerequisite: Sociology 201

The process and dynamic in social change; cultural contact, social reform, and technological inventions; planned and unplanned change; less-developed countries and social change. Spring; 3 recitations weekly, 3 credits.

409. Social Psychology

Prerequisite: Sociology 201

A sociological approach, analyzing the relationships of the individual to his immediate environmental background; the behavior characteristics resulting from social experience and process of socialization; special environment as a determinant. Spring; 3 recitations weekly, 3 credits.

410. Independent Study in Sociology

Prerequisites: Sociology 201 and approval of the Department Head. Directed reading and research, leading to preparation of a paper or a supervised laboratory experience in a social agency. The course is exclusively for the senior students with a major or minor in sociology. Fall and Spring; individual arrangement, 2-4 credits.

411. Seminar in Sociology

Prerequisite: 201 and approval of the Department Head.

This course is designed for the senior students, exploring and analyzing one of the major areas of sociology. Fall or Spring; One two-hour seminar weekly, 2 credits.

412. Sociological Theory

Prerequisite: 201

An examination of contributions of man's thoughts about society, particularly, European and American writers; current sociological theory. Fall; 3 recitations weekly, 3 credits.

414. Methods of Social Research

Prerequisite: 201

A consideration of research methods and technics used in sociology; the various steps in planning, organizing, and conducting research projects from the statement of the problem and development of hypothesis to the final analysis of data. Spring; 3 recitations weekly, 3 credits.

GEOGRAPHY

201. Principles of Geography

An introductory course which studies the earth and the environment of man, emphasizing the physical patterns of climate, landforms, soils, and natural resources. Recommended as a background for all other courses in geography. Fall or spring; 3 recitations weekly, 3 credits.

202. World Regional Geography

A survey course covering most of the countries and regions of the world, emphasizing the geographic factors as they relate to modern economic and political problems. Special attention given to areas of current significance in world affairs. Recommended for majors in Elementary Education to provide a broad, over-all view of the modern world. Spring; 3 recitations weekly, 3 credits.

203. Geography of North Carolina

A study of the transportation, population, industry, and agriculture of North Carolina as related to the climate, soils, landforms, and other natural environmental items. Spring; 3 recitations weekly, 3 credits.

306. World Economic Geography

A survey of the important phases of economic activity throughout the world, with respect to location, development, and distribution of agriculture products, major industries, and trade. Spring; 3 recitations weekly, 3 credits.

321. Geography of Anglo-America

A detailed study of the climate, physical pattern, natural resources, agricultural, and industrial development of the United States, Canada, and Alaska. Fall; 3 recitations weekly, 3 credits.

330. Geography of Latin America

A study of the physical regions and political units of Latin America with special consideration given to the geographic factors involved in the recognition of various political and economic limitations and potentialities. Spring; 3 recitations weekly, 3 credits.

340. Geography of Europe

A regional study of the geography of Europe, directed towards the geographic factors affecting the historical development, current economic situation, and political problems of Europe. Spring; 3 recitations weekly, 3 credits.

350. Geography of Africa and the Near East

A study of the geographic factors of climate, natural resources, and physiography affecting the historical development and current economic and political pattern in Africa and the Near East. Fall; 3 recitations weekly, 3 credits.

351. Geography of the Soviet Union

A geographic survey of the Soviet Union, with special emphasis on the development and location of Soviet agriculture and industry, geographical factors related to future economic planning and political problems. Fall; 3 recitations weekly, 3 credits.

354. Geography of Asia, Australia, and Oceania

A survey of principal regions of Asia and adjacent areas, studying climate, physical patterns, and natural resources of the area. Special attention given to those countries important in current world events. Spring; 3 recitations weekly, 3 credits.

SUMMARY OF ENROLLMENT 1966-1967

Summer Session; 1966

First term	1205
Second term	865
Total number enrolled	2070
First Semester 1966-67	
Freshmen	584
Sophomores	376
Juniors	240
Seniors	199
Special	11
Total number enrolled	1410
Second Semester 1966-67	
Freshmen	491
Sophomores	356
Juniors	254
Seniors	196
Specials	18
Total number enrolled	1315
Degrees Conferred May, 1967 (Estimate)	
Bachelor of Science	149
Bachelor of Arts	47
Total number of degrees conferred	196

PEMBROKE STATE COLLEGE ENROLLMENT

Men	902
Women	508
GRAND TOTAL	1410
State Residents	1141
Non-Residents	269

Enrollment by State

1. Alabama	3
2. Delaware	7
3. District of Columbia	1
4. Florida	5
5. Georgia	1
6. Illinois	1
7. Louisiana	1
8. Maine	1
9. Maryland	3
10. Massachusetts	8
11. Michigan	1
12. New Jersey	42

13. New York	62
14. North Carolina	1141
15. Ohio	1
16. Pennsylvania	34
17. Rhode Island	2
18. South Carolina	70
19. Tennessee	2
20. Texas	1
21. Virginia	21
22. Territories	1

Enrollment by Countries

1. Germany	1
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Enrollment by Counties

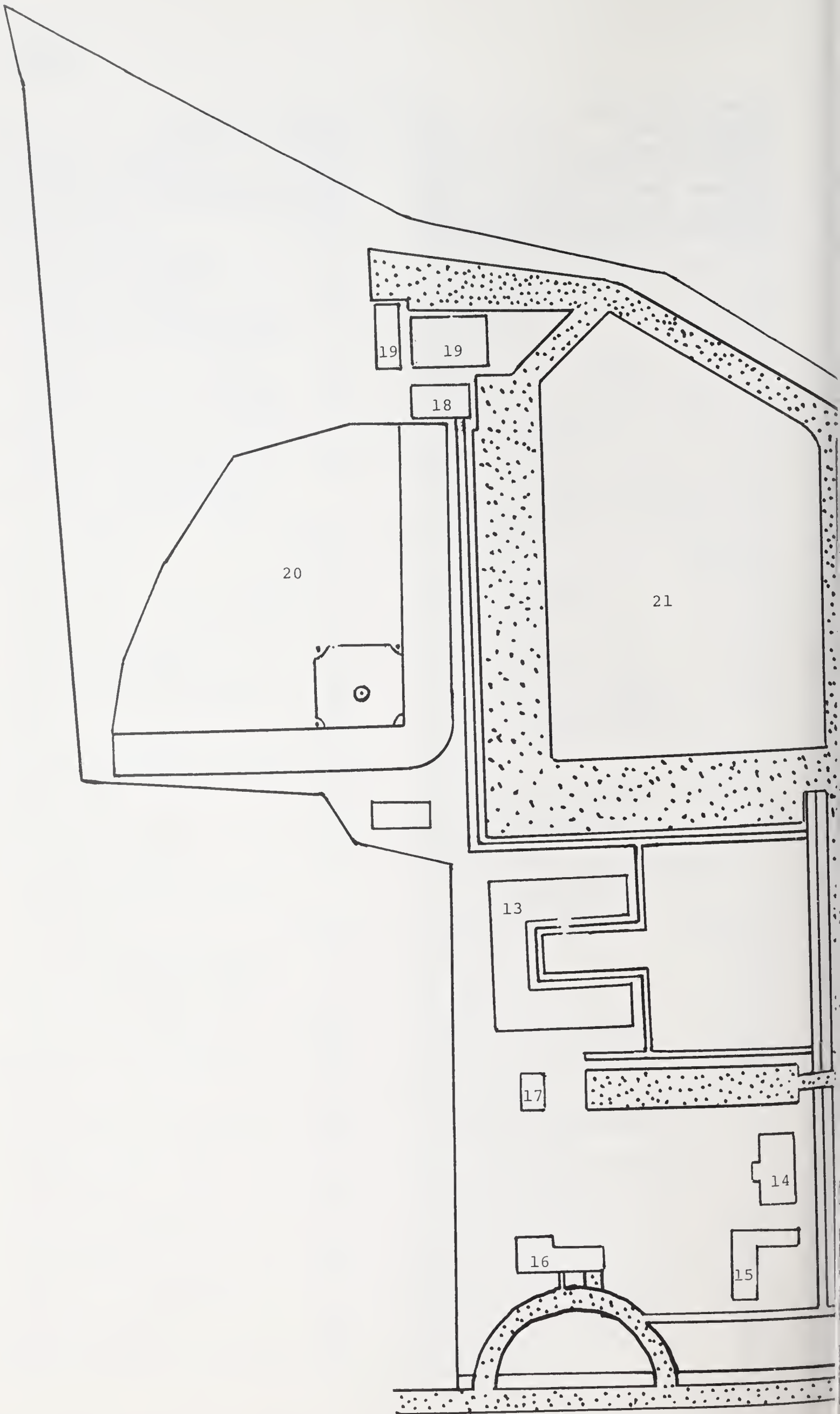
Alamance	1	Jones	2
Anson	9	Lee	2
Bladen	48	Lenoir	3
Brunswick	9	McDowell	4
Buncombe	1	Martin	2
Burke	2	Mecklenburg	7
Cabarrus	4	Montgomery	7
Carteret	5	Moore	16
Catawba	3	Nash	6
Chatham	4	Onslow	9
Cherokee	2	Perquimans	4
Columbus	68	Person	6
Craven	1	Pitt	6
Cumberland	115	Polk	2
Davidson	6	Randolph	4
Duplin	24	Richmond	76
Durham	6	Robeson	398
Edgecombe	6	Rockingham	1
Forsyth	12	Rowan	4
Gaston	4	Sampson	13
Granville	8	Scotland	92
Greene	1	Stanly	3
Guilford	22	Stokes	1
Halifax	3	Surry	5
Harnett	8	Union	4
Haywood	3	Vance	1
Hertford	3	Wake	14
Hoke	41	Warren	3
Iredell	5	Wayne	7
Jackson	1	Wilson	6
Johnston	8		

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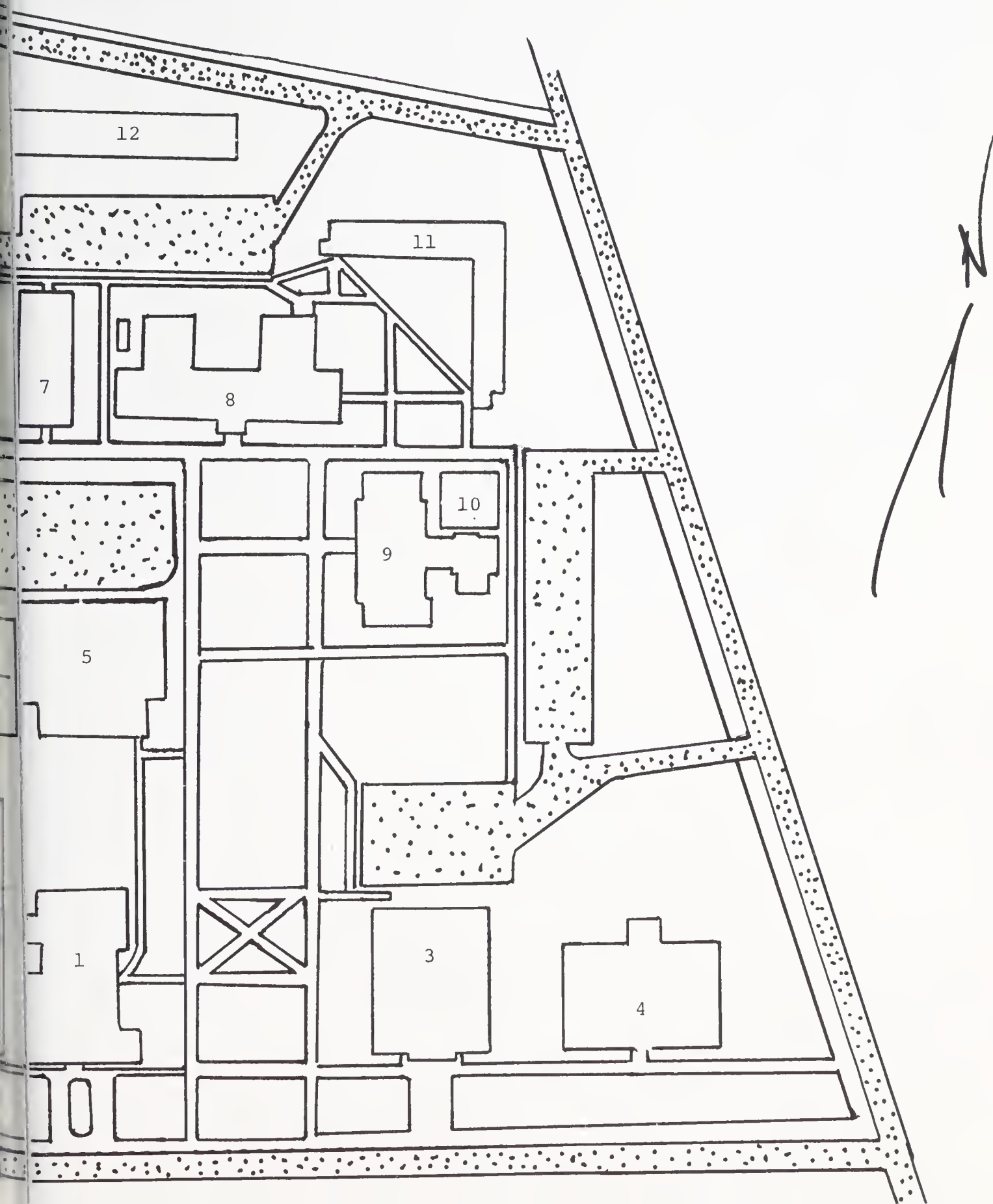
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Key to Buildings

1. Sampson Hall (Administration Buildings)
2. Mary Livermore Library
3. Old Main
4. Science Building
5. Gymnasium
6. Cafeteria
7. Lowery Student Center
8. Locklear Hall

9. Moore Hall
10. Music Annex
11. Jacobs Hall (Men's Dormitory)
12. Wellons Hall (Men's Dormitory)
13. West Hall (Women's Dormitory)
14. Infirmary
15. Home Economics Residence House
16. President's Home
17. Guest House
18. Receiving Depot
19. Maintenance Shops
20. Baseball Field
21. Athletic Field



APPLICATION FOR ADMISSION

TO

PEMBROKE STATE COLLEGE

PEMBROKE, NORTH CAROLINA

FOR SESSION 19____19____

ATTACH
RECENT
PHOTO
(ABSOLUTELY
ESSENTIAL)

INSTRUCTIONS:

1. PLEASE PRINT OR WRITE LEGIBLY IN INK. (USE TYPEWRITER IF CONVENIENT)
2. PLEASE ATTACH A RECENT PHOTOGRAPH.
3. IF YOU PLAN TO LIVE IN THE DORMITORY, A \$25.00 DEPOSIT SHOULD BE SENT WITH THIS APPLICATION. IF YOUR APPLICATION IS WITHDRAWN AFTER AUGUST 15, YOUR DEPOSIT WILL NOT BE REFUNDED.
4. YOUR APPLICATION WILL NOT BE CONSIDERED UNTIL YOUR TRANSCRIPTS HAVE BEEN RECEIVED.

NAME LAST FIRST MIDDLE		ADDRESS		CITY		STATE	
MR. MISS MRS.							
HEIGHT _____	RACE _____	AGE _____	DATE OF BIRTH _____	PLACE OF BIRTH _____	SEX M _____ F _____	SINGLE _____ MARRIED _____	DIVORCED _____
WEIGHT _____						SEPARATED _____	WIDOW _____ WIDOWER _____
CHURCH PREFERENCE		WHICH SEMESTER DO YOU WISH TO ENTER PEMBROKE STATE COLLEGE? FALL _____ SPRING _____ SUMMER SESSION _____ 19____ 19____					
NAME LAST FIRST MIDDLE		ADDRESS		CITY		STATE	
PLACE OF BIRTH		OCCUPATION		EXTENT OF EDUCATION			
NAME LAST FIRST		ADDRESS		CITY		STATE	
PLACE OF BIRTH		OCCUPATION		EXTENT OF EDUCATION			
NAME LAST FIRST		ADDRESS		CITY		STATE	
HIGH SCHOOL ATTENDED		ADDRESS		DATE OF GRADUATION			
DID YOU PLAY IN THE HIGH SCHOOL BAND? YES____NO____		IN WHAT ATHLETICS DID YOU PARTICIPATE? _____					
DID YOU SING IN THE CHORUS? YES____NO____		OTHER ACTIVITIES _____					
DO YOU PLAY THE PIANO? YES____NO____		SEMESTER HOURS COMPLETED _____					
NAME OF COLLEGE ATTENDED							
ARE YOU ELIGIBLE TO RETURN? YES____NO____		ARE YOU A VETERAN? YES____NO____					
IN WHAT ACADEMIC FIELD DO YOU DESIRE TO MAJOR?							
DRAFT BOARD NUMBER		ADDRESS		SELECTIVE SERVICE NUMBER			
DATE		SIGNATURE (NOT TO BE PRINTED OR TYPED)					

