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PEMBROKE STATE UNIVERSITY



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Mailing address: Pembroke, North Carolina 28372

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Pembroke State University is a fully accredited member of the Southern Association of Colleges and Schools, the National Council for Accreditation of Teacher Education, the American Association of Colleges for Teacher Education, the Association of American Colleges, the North Carolina Association of Colleges and Universities, and the Association for Field Services in Teacher Education.

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PEMBROKE STATE UNIVERSITY

1973-74 CALENDAR

First Semester

August 4	Saturday, 9:00 a.m.—5:00 p.m. Freshman Testing Program
August 26	Sunday, 1:00 p.m.—Dormitories Open for Freshmen
August 27	Monday, 8:00 a.m.—Freshman Orientation Program
August 28	Tuesday, 8:00 a.m.—Freshman Orientation Program
August 28	Tuesday, 8:00 a.m.—Dormitories Open for Upperclassmen
August 29	Wednesday, 8:00 a.m.—Registration
August 30	Thursday, 8:00 a.m.—Classes Begin
September 3	Monday, Labor Day Holiday
September 5	Wednesday, 5:00 p.m.—Last Day to add a Class; Last Day to Drop a Class without a Grade
October 22	Monday, 5:00 p.m.—Mid-Semester: Last Day to withdraw from a Class with a "W" Grade
November 14	Wednesday, 10:00 a.m.—5:00 p.m.—Student Advisement for all Students prior to Pre-registration
November 19	Monday—Pre-registration for Spring Semester
November 21	Wednesday, 5:00 p.m.—Thanksgiving Holidays Begin
November 26	Monday, 8:00 a.m.—Classes Resume
December 14	Friday, 5:00 p.m.—Classes End
December 17-21	Final Examinations
December 21	Friday, 5:00 p.m.—Christmas Vacation Begins
December 22	Saturday, 12:00 noon—All Dormitories Close

Second Semester

January 6	Sunday, 1:00 p.m.—All Dormitories Open
January 7	Monday, 8:00 a.m.—Registration
January 8	Tuesday, 8:00 a.m.—Classes Begin
January 14	Monday, 5:00 p.m.—Last Day to add a Class; Last Day to Drop a Class without a Grade
March 8	Friday, 5:00 p.m.—Mid-Semester: Last Day to withdraw from a Class with a "W" Grade
March 8	Friday, 5:00 p.m.—Spring Vacation Begins
March 9	Saturday, 12:00 noon—All Dormitories Close
March 17	Sunday, 12:00 noon—All Dormitories Open
March 18	Monday, 8:00 a.m.—Classes Resume
April 11	Thursday, 5:00 p.m.—Easter Holidays Begin
April 16	Tuesday, 8:00 a.m.—Classes Resume
April 17	Wednesday, 10:00 a.m.—5:00 p.m.—Student Advisement and Pre-registration
April 25-26	Advanced Registration for First Term of Summer School
May 3	Friday, 5:00 p.m.—Classes End
May 6-10	Monday-Friday—Final Examinations
May 12	Sunday—Commencement
May 13	Monday, 12:00 noon—All Dormitories Close

Summer Session

FIRST TERM

June 2 Sunday, 12:00 noon—All Dormitories Open

June 3
July 5

Monday, 8:00 a.m.—Registration and Classes Begin
Friday—End of First Term of Summer School

SECOND TERM

July 8
August 9
August 10

Monday, 8:00 a.m.—Registration and Classes Begin
Friday—End of Second Term of Summer School
Saturday, 12:00 noon—All Dormitories Close

I. Organization

The University of North Carolina

Pembroke State University

Trustees

Administration

Faculty



I. ORGANIZATION

THE UNIVERSITY OF NORTH CAROLINA

Sixteen Constituent Institutions

- WILLIAM CLYDE FRIDAY, B.S., LL.B., LL.D., President
 RAYMOND HOWARD DAWSON, B.A., M.A., Ph.D., Vice President—Academic Affairs
 HAROLD DELANEY, B.S., M.S., Ph.D., Vice President—Student Services and Special Programs
 HERMAN BROOKS JAMES, B.S., M.S., Ph.D., Vice President—Research and Public Service
 L. FELIX JOYNER, A.B., Vice President—Finance
 CAMERON P. WEST, A.B., M.A., Ed.D., Vice President—Planning
 GEORGE ELDRIDGE BAIR, B.A., M.A., Ph.D., Director of Educational Television
 JAMES L. JENKINS, JR., A.B., Assistant to the President
 JOHN P. KENNEDY, JR., S.B., B.A., M.A., J.D., Secretary of the University
 ARNOLD KIMSEY KING, A.B., A.M., Ph.D., Assistant to the President
 RICHARD H. ROBINSON, JR., A.B., LL.B., Assistant to the President
 ALEXANDER HURLBUTT SHEPARD, JR., M.A., Assistant Vice President—Finance and Treasurer
 J. LEM STOKES, II, A.B., M.Div., Ph.D., Associate Vice President—Academic Affairs

The University of North Carolina was chartered in 1789 and opened its doors to students in 1795.

It became a multicampus University by act of the General Assembly of 1931 when The University of North Carolina at Chapel Hill, The North Carolina College for Women at Greensboro (now University of North Carolina at Greensboro) and The North Carolina State College of Agriculture and Engineering at Raleigh (now North Carolina State University at Raleigh) were merged.

Charlotte College was added as The University of North Carolina at Charlotte in 1965, and in 1969, Asheville-Biltmore College and Wilmington College became The University of North Carolina at Asheville and The University of North Carolina at Wilmington respectively.

The six-campus University was governed by a one-hundred member board of trustees elected by the legislature.

A revision of the North Carolina State Constitution adopted in November 1970 included the following: "The General Assembly shall maintain a public system of higher education, comprising The University of North Carolina and such other institutions of higher education as the General Assembly may deem wise. The General Assembly shall provide for the selection of trustees of

The University of North Carolina. . . ." In slightly different language, this provision had been in the Constitution since 1868.

On October 30, 1971, the General Assembly, in special session merged the other ten state-supported senior institutions into the University as follows: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, North Carolina School of the Arts, Pembroke State University, Western Carolina University, and Winston-Salem State University. This merger became effective on July 1, 1972.

The Board of Trustees became the Board of Governors and the number was reduced to thirty-five members (thirty-two after July 1, 1973) elected by the General Assembly. It is "responsible for the general determination, control, supervision, management, and governance of all affairs of the constituent institutions." However, each constituent institution has a local board of trustees of thirteen members, eight of whom are appointed by the Board of Governors, four by the Governor, and one, the elected president of the student body, whose principal powers are exercised under a delegation from the Board of Governors.

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

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

PEMBROKE STATE UNIVERSITY

BOARD OF TRUSTEES

	Address	Term Expires
BRITT, WM. EARL--Pembroke State University Representative to the Board of Governors of the Univer- sity of North Carolina	Fairmont, N.C.	1979
BURNS, B. O.	Rowland, N.C.	1975
BRITT, JOE FREEMAN	Lumberton, N.C.	1973
CHAVIS, ERNEST	Wakulla, N.C.	1979
CONWAY, PERCY L.	Maysville, N.C.	1973
DAVIS, ROBERT B.	Laurinburg, N.C.	1973
DIAL, HERMAN	Pembroke, N.C.	1979
LOCKLEAR, HARRY W.	Pembroke, N.C.	1977
LOWRY, ELMER T.	Rowland, N.C.	1973
LOWRY, ZEB A.	Pembroke, N.C.	1973
MCMILLAN, R. D., JR.	Raleigh, N.C.	1975
MARKS, LEROY	Laurinburg, N.C.	1977
ROBINSON, SANKY W.	Whiteville, N.C.	1977
SWETT, PURNELL	Fairfax, Virginia	1975

OFFICERS OF THE BOARD

Chairman: HARRY W. LOCKLEAR—*Vice Chairman:* SANKY W. ROBINSON

EXECUTIVE COMMITTEE

HARRY W. LOCKLEAR, *Chairman*
B. O. BURNS
ZEB A. LOWRY

R. D. MCMILLAN, JR.
LEROY MARKS
SANKY W. ROBINSON

OFFICERS AND ADMINISTRATION

CHANCELLOR: ENGLISH E. JONES, B.S., M.S., L.L.D.

OFFICE OF THE CHANCELLOR

TOMMY D. SWETT, B.S., M.A.Ed. *Administrative Assistant to the
Chancellor, Director of Alumni
Affairs, and Director of Placement*

TERRY R. HUTCHINS, A.B., J.D. *Director of Institutional Research*

GENE WARREN, B.A. *Director of Public Information*

LACEY E. GANE, B.A., Ed.M. *Director of Athletics*

OFFICE FOR ACADEMIC AFFAIRS

CARL M. FISHER, B.S., M.S., Ph.D. *Vice Chancellor for Academic
Affairs and Dean of Faculty*

RICHARD C. PISANO, B.S., M.Ed., Ed.D. *Associate Dean of Faculty*

DANIEL E. TODD, JR., B.S., M.A., Ph.D. *Assistant to Vice Chancellor
for Academic Affairs*

NORMA JEAN THOMPSON, B.S., M.A., Ph.D. *Dean of Admissions
and Registration*

JOHN L. CARTER, A.B. *Registrar*

- JASON B. LOWRY, B.A., M.A. *Director of Admissions*
 RAY VON BEATTY, B.S., M.Ed. *Director of Guidance and
 Testing Center*
 JAMES G. BLOODSWORTH, B.S., M.Ed., Ed.D. *Director of Media Center*
 JAMES R. KRABILL, B.A., M.A., Ph.D. *Director of Computer Center*
 PRENTISS ODUM, A.S. *Director of Data Processing*
 L. MILES RAISIG, B.S., M.S.L.S. *Director of Library Services*
 EDWARD D. WATKINS, B.S., M.S. *Director of Human Services Center*

Department Heads

- ADOLPH L. DIAL, B.A., Ed.M., C.A.G.S. *American Indian Studies*
 PAUL VAN ZANDT, B.F.A., M.F.A. *Art*
 ROBERT F. BRITT, B.A., M.A., Ph.D. *Biology*
 KARL A. SCHEELE, M.A., Ph.D. *Business Administration*
 RAYMOND J. RUNDUS, B.S., M.A., Ph.D. *Communicative Arts*
 VICTOR W. WOLF, M.B.A. *Economics*
 L. L. MURRAY, B.A., M.A., Ed.D. *Education*
 THOMAS W. LOTT, B.A., M.A., Ph.D. *Foreign Languages*
 RAYMOND B. PENNINGTON, B.S., Ed.M., Ed.D. *Health, Physical
 Education and Recreation*
 JOHN CHAY, A.B., A.M., A.M.L.S., Ph.D. *History*
 ANNIE M. ELAM, B.S., M.S. *Home Economics*
 HENRY TRAMER, B.S., M.S., Ph.D. *Mathematics*
 HAROLD C. SLAGLE, B.M.E., M.M., Ed.D. *Music*
 ROBERT K. GUSTAFSON, B.A., M.D., Th.M., Th.D. *Philosophy and
 Religion*
 JOHN S. WALLINGFORD, B.Phys., M.Ed., M.S., Ph.D. *Physical Science*
 CHANG H. CHO, L.L.B., M.A., D.P.A. *Political Science*
 DAVID L. EASLEY, B.S., Ph.D. *Psychology*
 JOHN RIMBERG, B.A., M.A., Ph.D. *Sociology and Geography*

OFFICE FOR STUDENT AFFAIRS

- JAMES B. CHAVIS, B.S., M.A.Ed. *Dean of Student Affairs*
 CHARLES R. GRIFFITH, B.S., M.A. *Associate Dean of Student Affairs*
 FAYE JONES, B.S., M.A. *Assistant Dean of Student Affairs*
 HAYNES DEESE *Chief Security Officer*
 MARK H. HUCKERIEDE, M.D. *University Physician*
 ESTHER D. MAYNOR, B.S. *Financial Aid Officer*
 EVA B. SAMPSON, R.N. *University Nurse*

OFFICE FOR BUSINESS AFFAIRS

- WILLIAM S. MASON, JR., B.S. *Business Manager*
 CAMMIE ALFORD *Cashier*
 HORACE BURNETTE *Superintendent of Buildings
 and Grounds*
 WILLIAM S. CHESTNUT, B.A., C.P.A. *University Accountant*
 QUERLON CUMMINGS *Supervisor, Mail Dept. and
 Central Supply and Duplicating*
 LEE E. NEVILLE *Student Union Manager*
 JULIAN RANSOM, B.A. *Purchasing Agent*
 LARRY STRICKLAND *Director of Food Services*

THE FACULTY

GEORGE THOMAS AMMONS (1965), *Assistant Professor, Department of Business Administration*

14 PEMBROKE STATE UNIVERSITY

- ~~B.S., (C.P.A.), U.N.C. at Chapel Hill~~
RICHARD HOWARD BAUM (1972), *Assistant Professor, Department of Communicative Arts*
B.A., M.A., Ph.D., University of Utah
- CHARLES DAVID BASS (1971), *Assistant Professor, Department of Mathematics*
B.S., B.A., Carson-Newman College; Ph.D., University of Tennessee
- RAY VON BEATTY (1972), *Assistant Professor, Department of Psychology; Director of Guidance and Testing Center*
B.S., Pembroke State; M.Ed., Ph.D. Candidate, U.N.C. at Chapel Hill
- GAIL A. BEGGS (1970), *Assistant Professor, Department of Communicative Arts*
B.A., M.A., University of Arkansas
- ROBERT W. BIRCHFIELD, JR., (1967), *Associate Professor, Department of Sociology and Geography*
A.B., Ph.D. Candidate, University of Southern California
- JAMES GASTON BLOODSWORTH (1970), *Associate Professor, Department of Education; Director of Media Center*
B.S., M.Ed., Lamar University; Ed.D., McNeese State University
- GERALD C. BORLAND (1968), *Associate Professor, Department of Physical Science*
B.A., Pennsylvania State University; M.S., University of Arizona
- ROBERT FRANKLIN BRITT (1960), *Professor and Head, Department of Biology*
B.A., M.A., Ph.D., U.N.C. at Chapel Hill
- ELLEN JANE BRYAN (1970), *Assistant Professor, Department of Health, Physical Education and Recreation*
B.S., Pembroke State; M.A.E., East Carolina
- WILLIAM ROBERT BULLARD, JR. (1966), *Assistant Professor, Department of History*
B.A., St. Andrews Presbyterian College; M.A., U.N.C. at Chapel Hill
- LOREN LEONARD BUTLER II (1966), *Assistant Professor, Department of History*
B.A., M.A., University of Arkansas
- AVERY JOHN BUTTERS (1965), *Professor, Department of History*
A.B., Passionists Fathers Seminary; M.A., M.Ed., Boston College; M.S. in L.S., Catholic University of America; Ph.D., Fordham University
- ROBERT EMERSON CARLILE (1971), *Associate Professor, Department of Communicative Arts*
B.F.A., M.A., University of Florida; Ph.D., University of Georgia
- WILLIAM G. CARTER, JR. (1969), *Associate Professor, Department of Biology*
B.S., Davidson College; M.A., Ph.D., Duke University
- JAMES B. CHAVIS (1972), *Instructor, Department of Education; Dean of Student Affairs*
B.S., Pembroke State; M.A.Ed., East Carolina University
- JOHN CHAY (1969), *Associate Professor and Head, Department of History*
A.B., A.M., A.M.L.S., Ph.D., The University of Michigan
- CHANG H. CHO (1968), *Associate Professor and Head, Department of Political Science*
LL.B., Yonsei University; M.A., American University; D.P.A. George Washington University
- RHODA P. COLLINS (1967), *Assistant Professor, Department of Education*
B.A., M.Ed., U.N.C. at Chapel Hill

- EDWIN WOOTEN CRAIN (1965), *Associate Professor, Department of Health, Physical Education and Recreation*
B.S., M.A. Appalachian State University
- JAN MORRIS DAVIS (1971), *Instructor, Department of Sociology and Geography*
B.A., University of Houston; M.A. Texas Tech
- WILLIAM HOWARD DEAN (1968), *Associate Professor, Department of Education*
B.S., M.A., East Carolina University
- ADOLPH L. DIAL (1958), *Associate Professor and Head, Department of American Indian Studies*
B.A., Pembroke State; Ed.M., C.A.G.S., Boston University
- ALBERT DAREN DUNAVAN (1965), *Associate Professor, Department of Communicative Arts*
B.S., M.A., University of Nebraska
- DAVID LEIGH EASLEY (1971) *Associate Professor and Head, Department of Psychology*
B.S., Millsaps College; Ph.D., Vanderbilt University
- JAMES BOYER EBERT (1956), *Associate Professor, Department of Biology*
B.S., Louisiana State University and A. & M. College; A.M., Duke University
- ANNIE MERLE ELAM (1968), *Assistant Professor and Head, Department of Home Economics*
B.S., Pembroke State; M.S., U.N.C. at Greensboro
- DAVID K. ELIADES (1967), *Assistant Professor, Department of History*
A.B., U.N.C. at Chapel Hill; M.A., East Carolina University
- HAROLD T. ELLEN (1967), *Assistant Professor, Department of Health, Physical Education and Recreation*
A.B., Elon College; M.A., East Carolina University
- CARLOS JULIO EMANUEL (1971), *Assistant Professor, Department of Economics*
B.A., Presbyterian College; Ph.D., University of South Carolina
- BILLIE FAYE EVANS (1967), *Catalog Librarian*
B.S., East Carolina; M.S., Appalachian State
- JAMES S. FARMER (1957), *Associate Professor, Department of Communicative Arts*
B.A., M.A., U.N.C. at Chapel Hill
- MARJORIE L. FARMER (1965), *Assistant Professor, Department of Communicative Arts*
B.A., Tift College; M.A., U.N.C. at Chapel Hill
- CARL MANTELL FISHER (1967), *Professor and Vice Chancellor for Academic Affairs*
B.S., M.S., Ph.D., Florida State University
- JOHN FRANCIS FLYNN, JR. (1971), *Instructor, Department of Art*
B.F.A., Chicago Art Institute; M.S., University of Miami
- PAUL K. FREIWIRTH (1962), *Professor, Department of History*
Th.B., Atlantic Union College; M.A., Potomac University; Ph.D., University of Maryland
- LACEY E. GANE (1965), *Associate Professor, Department of Health, Physical Education and Recreation*
B.A., Elon College; Ed.M., U.N.C. at Greensboro

- GRACE EVELYN GIBSON (1966), *Assistant Professor, Department of Communicative Arts*
B.A., U.N.C. at Greensboro; M.A., Duke University
- JOHN ALBERT GIBSON (1973) *Part-time Instructor, Department of Education*
B.S., Livingstone College; M.A., North Carolina A & T State University
- DUANE ALFRED GILMORE (1972), *Assistant Catalog Librarian*
B.A., The University of Texas; M.S.L.S., Our Lady of the Lake College
- JEFFREY J. GORDON (1971), *Instructor, Department of Sociology and Geography*
B.A., State University of New York; M.S., The Pennsylvania State University
- GIBSON HENDRIX GRAY (1971), *Associate Professor, Department of Political Science*
B.B.A., University of Texas; M.A., Ph.D., Columbia University
- AGNES O. GREENE (1968), *Assistant Professor, Department of Home Economics*
B.S., Florida Southern College; M.S., Northern Michigan University
- MAGNOLIA O. GRIFFITH (1970), *Instructor, Department of Business Administration*
B.S., M.A., Appalachian State University
- THOMAS HERBERT GUERRY (1972), *Assistant Professor, Department of Philosophy and Religion*
B.A., University of Virginia; M.A., Ph.D., U.N.C. at Chapel Hill
- ROBERT K. GUSTAFSON (1969), *Professor and Head, Department of Philosophy and Religion*
B.A., University of California at Los Angeles; M.D., Th.M., Th.D., Union Theological Seminary
- VIRGINIA MILLICENT C. HOLLOMAN (1969), *Instructor, Department of Art*
B.S., M.A., East Carolina University
- JAMES FREDERICK HUBBARD (1965), *Associate Professor, Department of Psychology*
B.A., M.A., University of Richmond; B.D., Th.M., Union Theological Seminary
- JAMES ARNOLD JACOBS (1937), *Associate Professor, Department of Mathematics*
B.S., Murray State College; Ed.M., Duke University
- CHARLES RAYMOND JENKINS (1970), *Instructor, Department of Education*
B.S., M.A.E., East Carolina University
- DORIS BAUMANN JOHNSON (1966), *Assistant Professor, Department of Music*
B.M., Syracuse University; Ed.M., The University of Buffalo
- KENNETH PETRIE JOHNSON (1964), *Professor, Department of Health, Physical Education and Recreation*
B.S., Cortland State Teachers College; Ed.M., St. Lawrence University; Pe.D., Indiana University
- EDNA FAYE JONES (1966), *Instructor and Assistant Dean of Student Affairs*
B.S., M.A., East Carolina University
- ENGLISH E. JONES (1956), *Professor and Chancellor*
B.S., University of Kentucky; M.S., North Carolina State University; L.L.D., Wake Forest University

- WILTON GLENN JOYNER (1972), *Associate Professor, Department of Education*
A.B., M.A., East Carolina University; Ph.D., University of South Carolina
- KEYHANG KEEM (KIM KI-HANG BUTLER) (1970), *Associate Professor, Department of Mathematics*
B.S., M.S., University of Southern Mississippi; M.Ph., Ph.D., The George Washington University
- ROBERT EDMUND KERSHAW, JR. (1970), *Instructor, Department of Art*
B.A., Pennsylvania State University; M.F.A., East Carolina University
- PAUL WRIGHT KILLIAN (1967), *Assistant Professor, Department of Psychology*
A.B., M.A., East Carolina University
- ALTON BUTLER KING (1972), *Assistant Professor, Department of Mathematics*
B.S., University of Alabama; M.S., University of Utah; Ph.D., Utah State
- JAMES RICHARD KRABILL (1971), *Associate Professor, Department of Mathematics; Director Computer Center*
B.A., Miami University (Ohio); M.A., Ph.D., Duke University
- MIN-CHUAN KU (1965), *Professor, Department of Political Science*
L.L.B., National Cheng-chi University, China; M.A., University of Michigan; Ph.D., New York University
- DAVID K. KUO (1966), *Associate Professor, Department of Biology*
B.S., National Taiwan University; M.F., Ph.D., University of Georgia
- ELIZABETH H. H. KUO (1967), *Assistant Professor, Department of Sociology and Geography*
B.S., National Taiwan University; M.A., University of Georgia
- JESSE MAYO LAMM (1969), *Associate Professor, Department of Education*
B.S., M.A., East Carolina University; Ed.D., New York University
- BERNARD H. LEVIN (1972), *Assistant Professor, Department of Psychology*
A.B., Temple University; M.S., North Carolina State University
- LOIS BARRETT LEWIS (1963), *Associate Professor, Department of Communicative Arts*
B.A., M.A., University of Akron; Ed.S., George Peabody College
- THOMAS WESLEY LOTT (1971), *Associate Professor and Head Department of Foreign Languages*
B.A., William Carey College; M.A., Instituto Tecnológico de Monterrey; Ph.D., Universidad Internacional
- REBA M. LOWRY (1935), *Associate Professor, Department of Foreign Languages*
B.A., Maryville College; M.A., University of Tennessee
- NORMAN W. MACLEOD (1967), *Associate Professor, Department of Communicative Arts*
B.A., University of New Mexico; M.A., Teachers College, Columbia University
- JEROME A. MCDUFFIE (1965), *Assistant Professor, Department of History*
B.A., Pembroke State; M.A., Wake Forest; Ph.D. Candidate, Kent State
- JOSEPH ALAN MCGIRT (1965), *Assistant Professor, Department of Biology*
B.S., Pembroke State; M.A., George Peabody College
- DAVID VINCENT MCQUEEN (1973), *Associate Professor, Department of Sociology and Geography*
B.A., Antioch College; M.A., Sc.D., Johns Hopkins

- JOSEF LORENZ MANDEL (1972), *Instructor, Department of Foreign Languages*
B.A., Pembroke State; M.A., Ph.D. Candidate, U.N.C. at Chapel Hill
- I. RUTH MARTIN (1953), *Associate Professor, Department of Philosophy and Religion*
B.A., Meredith College; M.R.E., Southwestern Baptist Theological Seminary; M.A., Emory University
- *ROBERT L. MASON (1967), *Assistant Professor, Department of Biology*
B.S., Morris Harvey College; M.S., Ohio University
- BERTHA B. MATHEWS (1971), *Assistant Professor, Department of Communicative Arts*
B.S., M.Ed., Wayne State University
- W. MASON MATHEWS (1970), *Professor, Department of Psychology*
B.A., M.A., Ph.D., University of Iowa
- HAROLD DAVID MAXWELL (1967), *Assistant Professor, Department of Biology*
B.S., M.S., Tennessee Polytechnic Institute
- ROBERT DAVID MAYNOR (1972), *Instructor, Department of Business Administration*
B.S., Pembroke State; M.B.A., Columbia University
- L. L. MURRAY (1965), *Professor and Head, Department of Education*
B.A., Atlantic Christian College; M.A., East Carolina University; Ed.D., University of Florida
- WALTER SHELDON MUSGROVE (1966), *Library Bibliographer*
B.A., University of Florida; M.S.L.S., Atlanta University
- ANDRE JOSEPH NADEAU (1969), *Professor, Department of Health, Physical Education and Recreation*
B.S., Appalachian State; M.A., New York University; Ph.D., University of Iowa
- RUTH HELEN NIXON (1968), *Professor, Department of Education*
A.B., M.A., Ed.D., University of California
- HAROLD MICHAEL OLSON (1971), *Assistant Professor, Department of Health, Physical Education and Recreation*
B.A., Coe College; M.S. Wayne State University
- **CLIFTON OXENDINE (1939), *Professor, Department of History*
B.A., McKendree College; M.A., George Peabody College
- LINDA B. OXENDINE (1971), *Instructor of Biology*
B.S., Pembroke State; M.S., University of Tennessee
- GERALD LEE PARKER (1968), *Assistant Professor, Department of Education*
A.B., Marion College; M.Ed., U.N.C. at Greensboro
- KENNETH W. PAULI (1967), *Professor, Department of Communicative Arts*
B.A., Wesleyan University; M.A., Teachers College, Columbia University; Ph.D., Stanford University
- ALBERT JOHN PEJACK, JR. (1971), *Instructor, Department of Business Administration*
B.A., Westminster College; M.S., Clemson University
- RAYMOND BENJAMIN PENNINGTON (1963), *Professor and Head, Department of Health, Physical Education and Recreation*
B.S., East Carolina; Ed.M., U.N.C. at Chapel Hill; Ed.D., Duke

- FRANCIS LOUIS PFEIFER (1966), *Associate Professor, Department of Music*
 A.B., Panhandle A & M College; M.A., University of Wyoming; D.M.E.,
 Chicago Musical College
- RICHARD CHARLES PISANO (1967), *Professor and Associate Dean of Faculty*
 B.S., Potsdam State Teachers College; M.Ed., Florida State University;
 Ed.D., Columbia University
- GEORGE WILLIAM POLHEMUS (1965), *Associate Professor, Department of Com-
 municative Arts*
 B.A., M.A., University of Mississippi
- GEORGE ALEXANDER PRICE (1972), *Instructor, Department of Sociology and
 Geography*
 B.A., Pembroke State; M.A., North Carolina Central University
- L. MILES RAISIG (1969), *Director of Library Services*
 B.S., University of Virginia; M.S.L.S., State University of New York at
 Albany
- ANDREW RANSOM (1956), *Associate Professor, Department of Physical Science*
 B.S., Pembroke State; Ed.M., Ohio State University
- ELMA LOUISE RANSOM (1958), *Associate Professor, Department of Music*
 B.S., M.A., Ohio State University
- ROBERT WILLIAM REISING (1971), *Associate Professor, Department of Com-
 municative Arts*
 B.A., Michigan State; M.A., University of Connecticut; Ed.D., Duke Uni-
 versity
- JAMES EDWARD RICKLEFS (1972), *Assistant Professor, Department of Sociol-
 ogy and Geography*
 B.S., University of Wisconsin; M.A., San Diego State; Ph.D. Candidate
 University of Georgia
- KATHRYN K. RILEIGH (1973), *Assistant Professor, Department of Psychology*
 B.A., M.A., Ph.D., Vanderbilt University
- JOHN RIMBERG (1971), *Professor and Head, Department of Sociology and
 Geography*
 B.A., Harvard University; M.A., Ph.D., Columbia University
- JOHN ALLEN ROBERTS (1970), *Associate Professor, Department of Music*
 B.M., Oklahoma City University; M.A., Eastman School of Music; Ph.D.,
 Louisiana State University
- JOHN THEODORE ROBICH (1972), *Instructor, Department of Sociology and
 Geography*
 B.A., M.A., Ohio State University
- THOMAS EDWARD ROSS (1969), *Instructor, Department of Sociology and
 Geography*
 B.A., M.S., Marshall University
- RAYMOND JOE RUNDUS (1970), *Professor and Head, Department of Communi-
 cative Arts*
 B.S., College of Emporia; M.A., Wayne State University; Ph.D., University
 of Nebraska
- JOHN TENNYSON RUSSELL (1969), *Professor, Department of Education*
 A.B., Oberlin College; B.D., Seabury-Western Theological Seminary; S.T.M.,
 The University of the South; Ph.D., Indiana University

- GILBERT LANE SAMPSON (1966), *Assistant Professor, Department of Mathematics*
B.S., Pembroke State; M.A., University of Arkansas
- KARL A. SCHEELE (1965), *Professor and Head, Department of Business Administration*
M.A., Northwestern University; Ph.D., University of Berlin
- JANIE BRITT SILVER (1960), *Professor, Department of Education*
B.S., M.B.A., University of Georgia; Ed.D., University of Mississippi
- HAROLD CLAYTON SLAGLE (1969), *Professor and Head, Department of Music*
B.M.E., M.M., University of Nebraska; Ed.D., University of Illinois
- TOM SCOTT SPECK (1972), *Instructor, Department of Art*
B.F.A., Memphis Academy of Arts; M.F.A., University of Tennessee
- P. ALBERT STUDDARD (1970), *Associate Professor, Department of Philosophy and Religion*
B.A., Mercer University; B.D., New Orleans Baptist Seminary; M.A., University of Louisville; Th.D., Southern Baptist Theological Seminary
- GLORIA J. SWEET (1972), *Instructor, Department of Sociology and Geography*
B.A., North Carolina State-Ft. Bragg; M.S., North Carolina State-Raleigh
- CALVINIA SWITZER (1971), *Associate Professor, Department of Education*
B.S., M.E., Ph.D., University of Southern Mississippi
- ROGER HOLM TAYLOR (1969), *Assistant Professor, Department of Music*
B.M.E., B.M., Shenandoah Conservatory of Music; M.A., Madison College
- HAROLD JUNIOR TEAGUE (1970), *Associate Professor, Department of Physical Science*
B.S., Methodist College; M.S., Ph.D., North Carolina State University
- CARLETTA BERNICE THOMPSON (1970), *Night Public Services Librarian*
B.A., M.S.L.S., North Carolina Central University
- NORMA JEAN THOMPSON (1963), *Associate Professor and Dean of Admissions and Registration*
B.S., Pembroke State; M.A., Appalachian State; Ph.D., Georgia State University
- DANIEL EASON TODD, JR. (1969), *Professor and Assistant to the Vice Chancellor for Academic Affairs*
B.S., M.A., East Carolina University; Ph.D., U.N.C., at Chapel Hill
- HENRY TRAMER (1970), *Professor and Head, Department of Mathematics*
B.S., M.S., Rensselaer Polytechnic Institute; Ph.D., Johns Hopkins University
- HOWARD D. TYNER (1967), *Associate Professor, Department of Physical Science*
B.S., Illinois Wesleyan; M.S., Kansas State; Ph.D., University of Wisconsin
- DOROTHY ANN URBAN (1971), *Instructor, Department of Home Economics*
B.S., Fort Hays Kansas State; M.S., Kansas State University
- PAUL VAN ZANDT (1969), *Assistant Professor and Head, Department of Art*
B.F.A., Oklahoma State; M.F.A., Tulane
- RICHARD R. VELA (1970), *Instructor, Department of Communicative Arts*
B.A., M.S., University of Dallas
- JOHN S. WALLINGFORD (1970), *Associate Professor and Head, Department of Physical Science*
B.Phys., M.Ed., University of Minnesota; M.S., Ph.D., Florida State University

GEORGE R. WALTER (1967), *Assistant Professor, Department of Music*
B.M., West Virginia; M.M., Indiana University

EDWARD DENNIS WATKINS (1970), *Instructor, Department of Sociology and Geography*
B.S., Southwest Missouri State; M.S., Kansas State College

MAUDE ANN WEBB (1967), *Assistant Professor, Department of Health, Physical Education and Recreation*
B.S., M.A., East Carolina University

ANN REAVES FENNEGAN WELLS (1960), *Associate Professor, Department of Communicative Arts*
B.A., Coker College; M.A., East Carolina University

STUDY DE'WAYNE WILLIAMS (1968), *Instructor of French, Department of Foreign Languages*
B.A., Millsaps College; M.A., University of Mississippi

VICTOR W. WOLF (1958), *Associate Professor and Head, Department of Economics*
M.B.A., Handelskandidat, Sivilokonom, Norges Handelshoyskole

GEORGE DAVID ZAHN (1971), *Associate Professor, Department of Mathematics*
B.S., Oswego State Teachers College; M.S., Syracuse University; Ph.D., University of South Carolina

* On Academic Leave
* Professor Emeritus

FACULTY STANDING COMMITTEES 1972-73

Note: The first person named serves as chairman.

COMMITTEE ON COMMITTEES:

Dr. Karl A. Scheele, Miss I. Ruth Martin, Mr. Loren L. Butler II, Mr. Adolph L. Dial, Mr. James A. Jacobs, Dr. Kenneth P. Johnson, Dr. David Kuo, Dr. John A. Roberts

COMMITTEE ON ADMISSIONS AND ACADEMIC STANDARDS

Dr. Robert F. Britt, Mrs. Marjorie L. Farmer, Mrs. Annie M. Elam, Dr. L. L. Murray, Mr. Andrew Ransom, Dr. Norma J. Thompson, Mr. Jason B. Lowry, Dr. Carl M. Fisher, Miss Lauralee Ferguson (student), Miss Carolina Wilson (student)

COMMITTEE ON CURRICULUM

Mr. William R. Bullard, Dr. Raymond J. Rundus, Dr. Robert K. Gustafson, Dr. W. Mason Mathews, Mr. Harold D. Maxwell, Dr. John Rimberg, Dr. Janie B. Silver, Dr. Henry Tramer, Dr. Norma J. Thompson, Dr. Carl M. Fisher, Miss Vickie Perry (student), Mr. Ellis Jones (student)

COMMITTEE ON LIBRARY AND INSTRUCTIONAL MATERIALS:

Dr. Robert E. Carlile, Mr. Gerald C. Borland, Dr. Paul K. Freiwirth, Mr. Robert E. Kershaw, Jr., Dr. Thomas W. Lott, Mr. L. Miles Raisig, Dr. James G. Bloodsworth, and the SGA Secretary of Interior

COMMITTEE ON PROGRAMS:

Mrs. Gail A. Beggs, Mr. Donnie Singletary (student), Dr. James G. Bloodsworth, Miss Ellen Jane Bryan, Dr. Chang H. Cho, Dr. Harold C. Slagle, Dr. Albert Studdard, Mr. Richard Vela, Mr. James A. Jacobs, Mr. Mike Nugent (student)

COMMITTEE ON RANK, PROMOTION, AND FACULTY WELFARE:

Mr. William H. Dean, Mr. James B. Ebert, Mr. David K. Eliades, Dr. Raymond B. Pennington, Dr. Francis L. Pfeifer, Mrs. Ann F. Wells, Mr. Victor W. Wolf, Dr. Carl M. Fisher

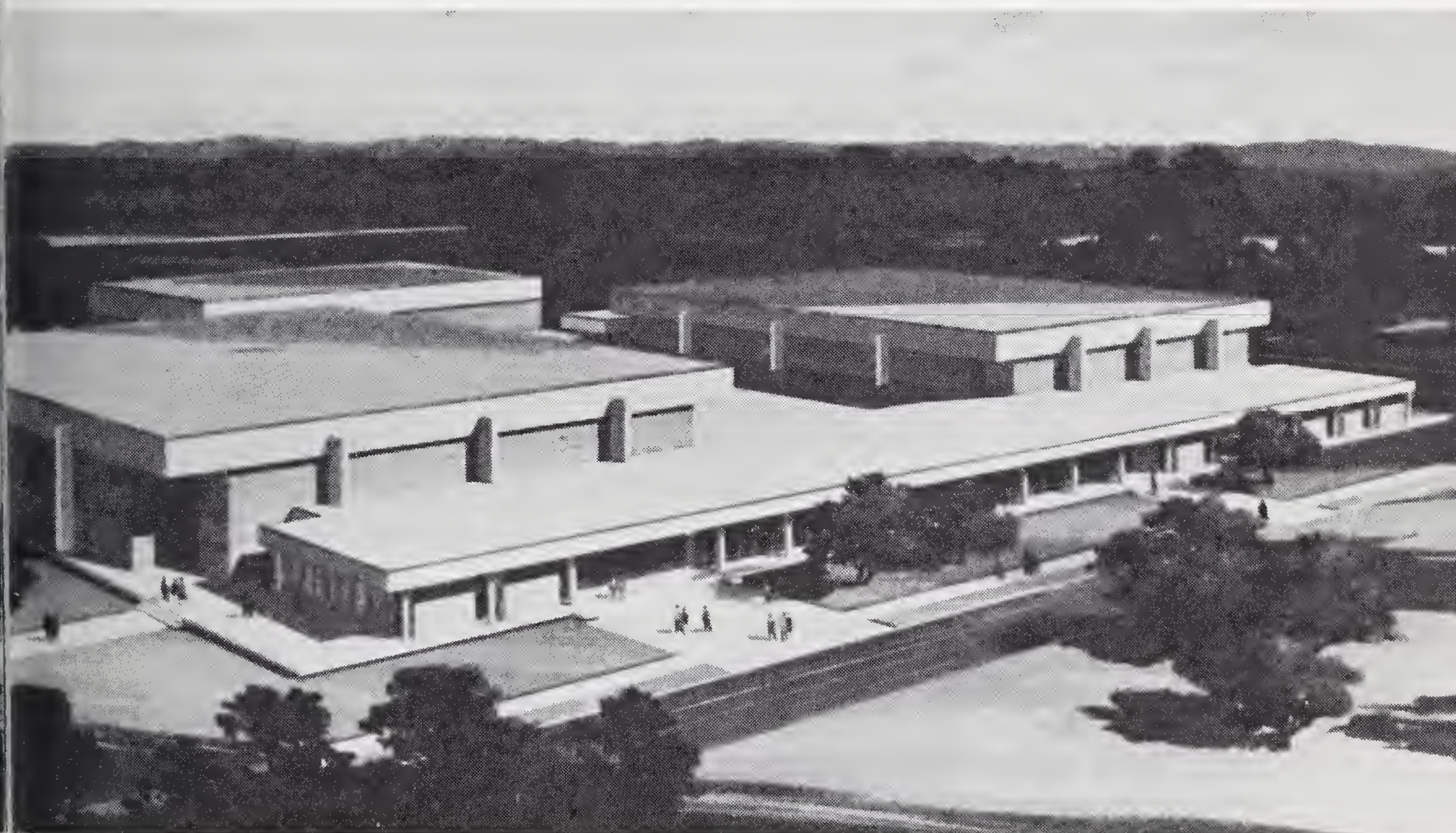
COMMITTEE ON STUDENT AFFAIRS:

Mr. Edward D. Watkins, Miss Sandra Howard (student), Dr. Jesse M. Lamm, Mrs. Bertha B. Mathews, Dr. Andre J. Nadeau, Mr. Elma L. Ransom, Mr. James B. Chavis, Mr. Willis Jones (student), Miss Lauralee Ferguson (student), Miss Jeannie Mareka (student)

COMMITTEE ON INTERCOLLEGIATE ATHLETICS AND INTRAMURAL SPORTS:

Miss Maude Ann Webb, Dr. Harold J. Teague, Mr. Robert L. Mason, Mr. Walter S. Musgrove, Dr. Robert W. Reising, Mr. Rudy De'Wayne Williams, Mr. Lacey E. Gane, Mr. Ray Souther (student)

II. General Information



**THE ENGLISH E. JONES HEALTH AND
PHYSICAL EDUCATION CENTER**

II. 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 moved 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 student graduated. 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 school program for the preparation of teachers was inaugurated, and the phasing out of the elementary offerings was begun. In June, 1928, the first normal school 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 school 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 Legislature 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.

The General Assembly of North Carolina granted regional university status to the institution on July 1, 1969, changing the name to Pembroke State University.

LOCATION

Pembroke State University occupies 63 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 provided by the Seaboard 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.

THE PURPOSE OF THE UNIVERSITY

When the 1969 General Assembly of North Carolina passed legislation redesignating Pembroke State College as Pembroke State University, it also spelled out very clearly the purpose of the Regional Universities of North Carolina. According to General Statute 116-44.10, Item B, the purpose is:

The regional universities shall provide undergraduate and graduate instruction in the liberal arts, fine arts, and sciences, and in the learned professions, including teaching, these being defined as those professions which rest upon advanced knowledge in the liberal arts and sciences; and said regional universities shall provide research in the liberal arts and sciences, pure and applied. The regional universities shall provide other undergraduate and graduate programs of instruction as are deemed necessary to meet the needs of their constituencies and of the State. Regional universities insofar as possible shall extend their educational activities to all persons of the State who are unable to avail themselves of their advantages as resident

students by means of extension courses, by lectures, and by such other means and methods as may seem to the boards of trustees and administrative officers as most effective. The president and professors of each regional university shall have the power of conferring all such degrees or marks of distinction as are conferred by colleges or universities, including the doctor's degree. All degree programs or marks of distinction offered or conferred by and with the consent of the board of trustees of the university and subject to the approval of the North Carolina Board of Higher Education and in any case doctoral programs shall not be offered before the completion of the study on the role of regional universities as required by G.S. 116-44, 16, and consistent with appropriations made therefor.

ACCREDITATION

Pembroke State University is accredited by the Southern Association of Colleges and Schools, the National Council for Accreditation of Teacher Education, the American Association of Colleges for Teacher Education, the Association of American Colleges, the North Carolina Association of Colleges and Universities, the Association for Field Services in Teacher Education, and the North Carolina Department of Public Instruction. The Music Department of the University is an Associate Member of the National Association of Schools of Music.

BUILDINGS AND GROUNDS

The Old Gymnasium completed in 1940, contains classrooms and offices used by the Media Center, the Human Services Center and the University Counselor.

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

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 Herbert G. Oxendire Science Building, Locklear Hall became the home of the Education and Psychology departments.

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 M.L. Moore, the first teacher of the Indian Normal School at Pembroke.

The Chancellor'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 the residence training of home economics majors.

The D.F. Lowry Student Center, first completed in 1965, and with additions completed in 1972, contains the mailroom, 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 30 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 University from 1942 through 1956.

West Hall, opened in 1965, is a women's dormitory which offers accommodations to 200 students.

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

The University 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 University Infirmary, opened in the spring of 1967, contains examination and treatment rooms, offices for the University 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, provides classrooms and offices for the Foreign Language, Philosophy and Religion, and Sociology and Geography departments, and houses the Computer Center.

The Herbert G. Oxendine Science Building, completed in 1967, affords classrooms, laboratories, and offices for the Biology, Physical science, Political Science, and Mathematics departments, and houses the Guidance and Testing Center.

The Business Administration Building, completed in 1969, affords classrooms and offices for the Business Administration, Economics, English, and History departments.

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

The Central Receiving Warehouse is located beside the Maintenance Building. All deliveries of supplies and materials are received there.

South Hall, completed in 1970, is a women's dormitory which offers accommodations to 200 students.

North Hall, completed in 1972, is a women's dormitory which offers accommodations to 200 students.

The English E. Jones Health and Physical Education Center completed in the spring of 1972, has two gymnasiums, a natatorium which includes a six-lane swimming pool and diving tank, faculty offices, classrooms, a physiology laboratory, and a small lecture hall which seats 120. Training areas and dressing rooms are provided for instruction and intercollegiate athletics.

III. The Admissions Process



III. THE ADMISSIONS PROCESS

Students are admitted to Pembroke State University through the Office of Admissions and Registration in accordance with policies recommended by the Faculty Legislative Assembly Committee on Admissions and Academic Standards and approved by the Faculty, the University Administration, and the Board of Trustees. The Committee on Admissions and Academic Standards reserves the right to make decisions on any application for admission or readmission to the University on the basis of the individual merits of that application.

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

REGULAR ADMISSION

The admissions policy is based upon consideration of: (1) College Entrance Examination Board scores, (2) the high school academic record, (3) scholastic standing in the high school graduating class, and (4) the recommendations of high school guidance counselors and principals.

Each applicant for regular admission must:

1. obtain an application form from the Dean of Admissions and Registration and submit it to him properly executed
2. submit acceptable College Entrance Examination Board Scores on the Student Aptitude Test.
3. obtain a medical examination form from the Dean of Admissions and Registration and submit it to him properly executed.
4. submit official transcripts showing secondary school work, scholastic standing in graduating class, and graduation from high school.
5. submit a \$10.00 application fee with the application. This fee is non-refundable and is not applicable toward any other cost.
6. the application, application fee and all forms, documents and letters to support the application should be received by the Dean of Admissions and Registration by June 30 for the applicant to receive consideration for admission to the freshman class entering the University in the following September.

COLLEGE OPPORTUNITY PROGRAM

The College Opportunity Program is an experimental program designed for a limited number of North Carolina students who

do not meet Pembroke State University's regular admissions standards. It is designed to help students acquire skills essential for university success as regular students. Students who successfully complete the College Opportunity Program are admitted to the University as regular students.

This program is offered in two sequential terms during the Summer Session. The first term consists of courses designed for the development of those academic skills needed most by the student. These courses do not carry credit toward graduation; however, students must make satisfactory progress to be eligible for the second term. During the second term of the Summer Session, the student takes regular university courses which carry credit toward graduation. From this point, academic eligibility is determined in accordance with the schedule published in the current Pembroke State University catalog in Section IV: Academic Regulations under Academic Eligibility and after Minimum Scholastic Requirements.

Students who are not legal residents of the State of North Carolina are not eligible for this program.

TRANSFER STUDENTS

Students who wish to transfer from other colleges or universities to Pembroke State University must:

1. be eligible to return to the institution last attended.
2. have an overall cumulative quality point average of 2.0.
3. obtain an application form from the Dean of Admissions and Registration and return it to him properly executed.
4. submit College Entrance Examination Board Scores.
5. submit acceptable scores on the Student Aptitude Test *if they have less than 30 semester hours of credit.*
6. obtain a medical examination form from the Dean of Admissions and Registration and submit it to him properly executed.
7. submit official transcripts showing secondary school work, scholastic standing in graduating class, and graduation from high school.
8. submit complete official transcripts from all colleges or universities attended.
9. submit a \$10.00 application fee with the application. This fee is nonrefundable and is not applicable toward any other cost.
10. the application, application fee, and all forms, documents, and letters to support the application should be received by the Dean of Admissions and Registration by June 30 for consideration for the fall semester and prior to December 1 for consideration for the spring semester.

The student is responsible for getting his application and all supporting material to the Dean of Admissions and Registration as specified above. No action will be taken on an application until and unless these specifications are met.

Courses completed in other accredited colleges and universities for which transfer credit is requested will be evaluated in terms of Pembroke State University's academic regulations and curricula and in terms of the student's proposed program at Pembroke. Credit will be allowed for courses successfully completed which are equivalent to courses offered at Pembroke State University and which can be properly fitted into the student's proposed program. No student may receive transfer credit for more than 60 semester hours earned in a two-year college nor may any student who has attained junior status at Pembroke receive credit for any work taken after that time in a two-year college.

Transfer students must complete the Basic Studies Program or a minimum of 45 semester hours of course work equivalent to that required in the Basic Studies Program.

Students transferring to Pembroke State University will be classified in terms of the number of hours transferred and in accordance with the schedule published in the current Pembroke State University Catalog in Section IV: Academic Regulations and under Classification of Students.

After transferring to Pembroke State University, transfer students must maintain the designated balance between semester hours attempted and the overall cumulative quality point average as indicated in the current Pembroke State University Catalog in Section IV: Academic Regulations under Academic Eligibility and after Minimum Scholastic Requirements.

DEGREE COMPLETION PROGRAM FOR MILITARY PERSONNEL

Pembroke State University provides educational programs for veterans, active military personnel, military reservists, and retired military personnel who wish to continue their career development in higher education and to complete an educational program leading to a college degree.

In recognition of the educational experience gained by military personnel in their regular training, in service school courses, in USAFI courses, and through the College Level Examination Program (CLEP), Pembroke State University will accept in transfer credit toward a Bachelor's degree:

1. Men or women who have served two or more years in the armed services will be awarded four semester hours credit for each two years of service, up to 12 semester hours of credit, as elective credit.
2. Credit may be awarded for service school courses comparable

to those offered by Pembroke State University. The amount of credit granted will be according to the recommendations of the American Council on Education as listed in the most recent edition of *A Guide to the Evaluation of Educational Experiences in the Armed Services*.

Work completed with an acceptable rating in USAFI courses that are parallel to courses offered at Pembroke State University provided a transcript of the work is sent directly to the Dean of Admissions and Registration.

Credit earned through the College Level Examination Program (CLEP).

In addition to the special provisions for granting credit to military personnel for their educational experience the University will accept in transfer credit toward a Bachelor's degree:

1. all work completed in residence at accredited senior institutions of higher education provided the student has an *overall cumulative quality point average* of 2.0.
2. up to 60 semester hours of work completed in a two-year college provided the student has an *overall cumulative quality point average* of 2.0.
3. up to 20 semester hours of work completed through extension courses. Work completed in courses offered by Pembroke State University's Continuing Education Division at cooperating technical institutions is not counted as extension work.

RETURNEE STUDENTS

Any student who has withdrawn from Pembroke State University for any reason must reapply through the Office of Admission and Registration. The application for readmission is available on request from the Dean of Admissions and Registration. To insure proper consideration the application should be received by June 30 for the fall semester and prior to December 1 for the spring semester.

Whenever a student who does not meet the minimum scholastic requirements for retention at Pembroke State University transfers to a Community College or a Junior College, he shall not be readmitted to Pembroke State University until he has finished the two year course and earned the AA degree from such a school.

SPECIAL STUDENTS

Persons who wish to enroll for university classes in a fall or spring semester and carry 6 semester hours or less without entering a degree program, may be admitted to the University as special students. A special student may not later become a degree

candidate unless he has been admitted to the University as a regular student. Those who wish to enter Pembroke State University as special students may obtain information and the necessary application forms from the Office of Admissions and Registration. Special students pay tuition, registration, and general fees only.

PART-TIME STUDENTS

A "part-time student" is a student who is regularly admitted to Pembroke State University and is registered for less than 12 semester hours of course work in a fall or spring semester. Part-time students who wish to have credits earned while they are part-time students applied toward a degree program must have the written approval of the Office for Academic Affairs *prior* to their registration as part-time students for any semester.

Students in a part-time status taking seven or more semester hours are charged all fees; however, the tuition charge is based on the number of semester hours taken. Part-time students taking six semester hours or less are not required to pay the student activity fee, the health and accident insurance fee, or the health service fee; however, all other fees must be paid.

AUDITING

All persons, *not officially registered* in the University, who desire to audit a course must secure the permission of the Instructor and the Office for Academic Affairs and pay the fee for auditing to the Business Office. The fee for auditing a course will be \$10.00 per semester hour. A copy of the receipt from the Business Office must be filed with the Instructor at the beginning of the course.

A student who is officially registered and who wishes to audit a course must secure the permission of the Instructor and the Office for Academic Affairs; however, there will be no auditing fee. A copy of the letter from the Office for Academic Affairs granting permission to audit the course must be filed with the Instructor at the beginning of the course.

Courses audited must not be shown on any official registration form and auditing students should not be included in figures reported on the permanent record of courses.

No record of courses audited is kept and no entry of audited courses is made on the student's permanent record or on his transcript. Tests or other written work are not given to auditing students and no grade is reported for courses audited.

SUMMER SESSION

A student entering Pembroke State University for the first time

As a beginning freshman, a transfer student, and a student who is returning to the University after an absence of one semester or more, must meet all the requirements for admission as outlined in the appropriate section above.

Transient students, students who are regularly enrolled at another institution of higher education, who wish to take courses at Pembroke State University during the Summer Session for transfer to their home institution, must submit a form available from the Summer Session Office showing they are in good standing at their home institution and have the permission of their Dean or Registrar to enroll in Pembroke State University. Admission of a transient to the Summer Session *does not constitute admission to the University.*

In-service teachers who wish to attend the Summer Session for certificate renewal or some other purpose must submit an application. The application form and the *Summer Session Bulletin* may be obtained from the Summer Session Office.

CONTINUING EDUCATION DIVISION

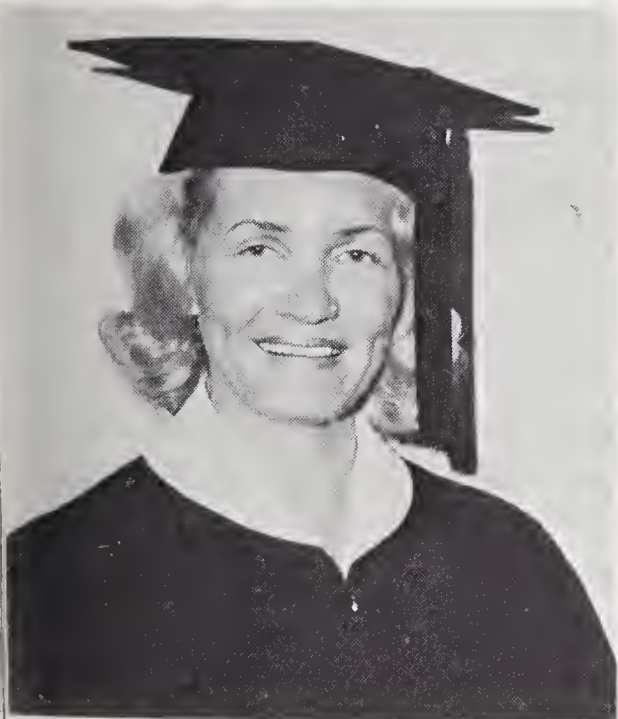
Pembroke State University, through its Continuing Education Division, offers on-campus and off-campus educational opportunities to persons who, for various reasons, are unable to meet the demands of on-campus, regular academic programs. In addition to course work carrying regular college credit, the program provides self-improvement opportunities for those not interested in course credit, but who are more concerned with the realization of personal potential and/or the development of special interests. Courses are offered on the undergraduate level for credit, delayed credit, or non-credit.

This program provides the opportunity for individuals within commuting distance to complete their first year of college study by enrolling in on-campus or off-campus evening classes offered at Pembroke State University.

In addition to on-campus opportunities, the Continuing Education Division offers off-campus course work at a number of cooperating institutions such as Anson Technical Institute in Ansonville, N. C., Fayetteville Technical Institute in Fayetteville, N. C., and Richmond Technical Institute in Hamlet, N. C. A student may enroll in one of these institutions for delayed credit course work offered by the Continuing Education Division and later transfer to the University.

For additional information about opportunities available through the Continuing Education Division contact the Office of Academic Affairs.

IV. Academic Regulations



Reita Gayle Rogers
Summa Cum Laude
May 1972



Nancy Mae Smith
Summa Cum Laude
May 1972

SCHOLARSHIP

IV. ACADEMIC REGULATIONS

Students are expected to learn the university 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 University. A student may not register for a new semester nor receive a degree, certificate, or transcript until all university bills are paid.

CLASSIFICATION OF STUDENTS

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

Less than 30 hours—	Freshman
30 to 59 hours—	Sophomore
60 to 89 hours—	Junior
90 hours to graduation—	Senior

STUDENT LOAD

All course work counts toward student load whether the student is enrolled for credit or as an auditor at this or another institution.

Full-time students must carry at least 12 semester hours each semester and may carry 18 semester hours; however, 15 semester hours is the normal load. Students who have a cumulative quality point average of 3.0 or are on the current Dean's List may take a maximum of 21 semester hours.

Summer session students may carry no more than 7 semester hours each summer session term.

GRADING AND ACADEMIC ELIGIBILITY

Grading System

Grade	Interpretation	Quality Points Per Semester Hour
A	Excellent	4
B	Good	3
C	Average	2
D	Below Average	1
F	Failure	0
I	Incomplete	0
W	Withdrawal	-

The "I," or incomplete grade, is given when a student is unable to complete required work because of an unavoidable circumstance.

such as illness. If the "I" is not removed during the succeeding semester, it will be recorded as an "F." In the determination of quality point averages an "I" is counted as an "F."

The "W" grade is given when a student withdraws from a course during the designated drop-add period. It is also used when a student obtains the approval of his instructor and his major department head to withdraw from a course after the drop-add period and prior to midsemester. In addition, a student who is withdrawing from the University and is doing satisfactory work in a course, and who follows the prescribed procedure for withdrawal from the University will receive a grade of "W" in the course. An "F" is given if a student withdraws under any other conditions. When a student receives a "W" grade, neither the grade nor the semester hours attempted are counted.

Academic Eligibility

Academic eligibility at Pembroke State University is based upon the quality point average earned by the student. Pembroke uses two quality point averages in making eligibility determinations. The first is the *overall cumulative quality point average* which is obtained by dividing the number of quality points earned in any and all institutions by the number of semester hours attempted in any and all institutions with the following restrictions: (1) the most recent grade earned in any repeated course is the one used, and (2) semester hours in a course repeated are counted only once. The second is the *semester quality point average* which is obtained by dividing the number of quality points earned in any semester by the number of semester hours attempted in that semester.

Minimum Scholastic Requirements. To remain eligible to attend Pembroke State University during a regular fall or spring semester, a student must maintain the designated balance between semester hours attempted and his *overall cumulative quality point average* in accordance with the schedule presented below.

Semester Hours Attempted	Minimum Overall Cumulative Quality Point Average
30	1.250
45	1.375
60	1.500
75	1.625
90	1.750
105	1.875
120	2.000

If at any time a student fails to comply with the above schedule, he will be academically ineligible to continue in the regular

fall or spring academic program.

Pembroke State University students who are academically ineligible for the regular fall or spring academic program may enroll in the Continuing Education Division and/or in the Summer Session to make up academic deficiencies. When a student achieves the designated balance between the number of semester hours he has attempted, with semester hours in courses repeated counted only once, and his *overall cumulative quality point average*, he will be eligible to enroll in the regular fall or spring academic program.

A student who has earned a *semester quality point average* less than 2.0 in a semester will have the designation, "Warning: Semester Average Unsatisfactory," indicated on his grade report.

Regulations concerning academic eligibility are subject to constant revision and change. In the event of a change, all students will conform to the newer regulations.

Honors. Any senior is eligible for honors who, at the beginning of the last semester of his senior year, has earned at least 15 semester hours of credit in residence at Pembroke State University during a regular fall or spring semester and who has not received a grade of "F" during his college or university career.

Students who attain an *overall cumulative quality point average* of 3.8 or higher are graduated *summa cum laude*. Those who achieve a minimum *overall cumulative quality point average* of 3.50 are graduated *magna cum laude* and students whose overall cumulative quality point average is at least 3.00 are graduated *cum laude*.

Dean's List. Students are eligible for the Dean's List which is issued at the close of each semester if they achieve a minimum *semester quality point average* of 3.40 while carrying at least 15 semester hours of course work.

REGISTRATION

Each student must complete his registration in person. No student is considered to be officially registered until he has completed registration as outlined below. Students who fail to complete registration as prescribed will have their names dropped from all class rolls. If these students subsequently request to register, they must follow regular registration procedures just as if they had not started registration before.

The University has a two phase registration system: the pre-registration phase and the registration phase.

Students currently enrolled at Pembroke State University may complete their registration by: (1) consulting with their advisers during the designated preregistration period and preparing their

class schedules for the next semester, (2) obtaining a *Permit to Pay Fees* from the Registrar's Office, (3) paying tuition and fees to the Business Office, (4) registering for course work desired during the designated registration period, and (5) receiving their *Schedule Card*.

Students entering Pembroke State University for the first time or who are returning after an absence of one regular semester or more may complete their registration by: (1) obtaining a *Permit to Register* from the Registrar's Office, (2) consulting with their advisers and preparing their class schedules for the semester, (3) paying tuition and fees to the Business Office, (4) registering for course work desired during the designated registration period, and (5) receiving their *Schedule Card*.

DROPPING AND ADDING COURSES

After a student has completed registration the only way his schedule can be changed is through the drop-add procedure. To drop and/or add a course a student must obtain a Drop-Add Form from the Office of Admissions and Registration, fill the form out, have it endorsed by the losing and/or gaining professors, and present it to the Business Office and the Office of Admissions and Registration.

Courses dropped during the drop-add period carry a "W" grade.

A student may withdraw from a course after the drop-add period and prior to midsemester or midterm with a grade of "W" if he obtains the approval of his instructor and his major department head. In addition, a student who is *withdrawing from the University*, is doing satisfactory work in a course, and who follows prescribed procedure for withdrawal from the University will receive a "W". An "F" is given when a student withdraws from a course under any other conditions.

REPETITION OF COURSES

Any course may be repeated. Semester hours in courses repeated are only counted once and the most recent grade is the one used in computing quality point averages. It is to the student's advantage to repeat any course as soon as possible.

INDEPENDENT STUDY

A student who wishes to enroll in 499. Independent Study in any department must: 1. be classified as a senior, 2. have a *cumulative grade point average* of 2.5 or better in his major area of study, 3. request independent study in his major area, and 4. submit a *Request for Approval of Independent Study* in triplicate to the Office for Academic Affairs. The form can be obtained from

the department head responsible for the student's major area of study. It must be approved by: 1. the professor supervising the student in independent study, 2. the department head, 3. the Dean of Admissions and Registration, and 4. the Office for Academic Affairs. The student may elect to work for one, two, or three semester hours of credit.

Upon completion of the independent study, the student must prepare a typewritten report of the study in triplicate. If the supervising professor feels it is appropriate the report will be catalogued and permanently housed in the Library.

CLASS ATTENDANCE

Students are expected to attend all classes regularly, and excessive absences may result in failure. The authority to determine whether a class 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, participation in a university sponsored activity, or an activity approved for instructional purposes are to be excused. The burden of proving the cause of an absence is, however, upon the student, who must submit such information as the instructor may require.

In interpreting this regulation, "immediate family" will mean parents, grandparents, siblings, spouse, and children; "university sponsored activity" will be limited to representing the University in regularly scheduled athletic contests, intercollegiate debates, or officially sponsored appearances of the university instrumental or singing groups—the activities of social, political, and religious clubs are not to be considered university sponsored activities; and "activity approved for instructional purposes," will mean such instructional activities as field trips and individual on-site experiences which have been previously approved by the Office for Academic Affairs.

Students are reminded that instructors are encouraged to take the roll regularly and that only work missed during an excused absence can be made up. Work missed during an unexcused absence automatically receives a score of "O" as does work not made up after an excused absence.

WITHDRAWAL POLICY

All students who wish to officially withdraw from the University must complete the withdrawal procedure.

Students who are registered for classes and who wish to withdraw from the University must complete a Request for Withdrawal from the University. The form is available in the Office of Admissions and Registration. First, the form must be endorsed by the appropriate authorities as indicated on the form, then it is

taken to the instructor of each course in which the student is registered, and finally it is submitted to the Office of Admissions and Registration.

The instructor may give the student a grade of "W" or "F." If the student has obtained the necessary endorsements and if, in the opinion of his instructor, his work in the course has been satisfactory he may receive a "W." If the student's work in the course has been unsatisfactory he will receive an "F."

A student who is registered for classes and who withdraws from the University without going through the withdrawal procedure will receive a grade of "F" on all courses for which he is registered.

REQUIREMENTS FOR GRADUATION

Each candidate for graduation must meet all of the following requirements and:

1. be registered during the academic year in which his graduation occurs.
2. have a minimum of 120 semester hours of course work.
3. have successfully completed the Basic Studies Program.
4. have successfully completed a program for an academic major.
5. have a minimum *overall cumulative quality point average* of 2.0.
6. have a minimum *overall cumulative quality point average* of 2.0 in his major field of study.
7. have the recommendation of the faculty.
8. complete the last 30 semester hours in residence at Pembroke State University.
9. Complete a minimum of 9 semester hours above the basic studies program level in his major field of study at Pembroke State University.
10. have not more than 20 semester hours which have been earned through extension courses.
11. have no credit earned by correspondence.
12. all Pembroke State University and transfer students presenting a "D" in any required freshman English Composition course must satisfy the English Proficiency requirement either by passing the Proficiency Examination given each semester and summer or by completing English 200 English Proficiency or by retaking the course(s) in question and accruing a grade of "C" or better.
13. make application for the degree no later than the end of registration for the last semester prior to the completion of all graduation requirements.
 - a. The Degree Application Form can be obtained from the Office of Admissions and Registration.

- b. A non-refundable graduation fee of \$10.00 must accompany the application.
- c. If a candidate fails to qualify after filing his application and his fee and before commencement, but does qualify at some later time, he must submit another application and another fee.
- d. If the candidate fails to meet this requirement as specified he must wait until the next commencement to receive his degree.

14. satisfy all his financial obligations to the University.

A student who completes graduation requirements at the close of the Spring semester is required to attend Commencement which is held at that time. A student who completes graduation at any other time will have the option of returning to participate in Commencement or of receiving his degree in absentia. If the student elects to receive his degree in absentia, he must submit a written request to the Dean of Admissions and Registration by April 15 which indicates the address the degree is to be mailed to. When the request is made as indicated above, the degree will be mailed after the graduation ceremony.

MISCELLANEOUS

All students will conform to the newest regulations concerning academic eligibility.

A student must choose to meet the requirements of *one* catalog. He may elect to meet the requirements which were published in the university catalog which was current at the time he entered this institution or a subsequent catalog; however, he will not be allowed to meet some of the requirements of one catalog and some of the requirements of another catalog.

A student whose attendance at Pembroke State University is interrupted for more than one semester must meet the requirements published in the catalog which is in effect at the time he resumes his studies or those of a subsequent catalog.

Beginning with the 1972-73 school year, a student transferring to Pembroke State University must have a minimum *overall cumulative quality point average* of 2.0. However, a student who transferred to Pembroke State University prior to the 1972-73 school year will receive credit only for those courses on which he has a grade of "C" or better.

Courses completed in other accredited colleges and universities for which transfer credit is requested will be evaluated in terms of Pembroke State University's academic regulations and curriculum, and in terms of the student's proposed program at Pembroke.

No student may transfer credit for more than 60 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.

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

V. Curricula and Degrees



V. CURRICULA AND DEGREES

Pembroke State University operates on the traditional two semester system and offers an extensive summer program designed to permit the academic acceleration of regular university students and to serve the needs of public school teachers. The Summer Session is divided into two terms. Information concerning enrollment procedures and costs may be obtained from the Office for Academic Affairs.

The University offers various liberal arts programs leading to the Bachelor of Arts or Bachelor of Science degree, programs for teacher certification in several fields, and special two-year curricula for students who intend to transfer to professional schools. Candidates who successfully complete the university requirements in the following fields receive the Bachelor of Arts degree:

Art	Music
Economics	Political Science
English	Sociology
French	Spanish
History	

Candidates who successfully complete the university 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	Home Economics
K-3 (Early Childhood Certificate)	Mathematics
4-9 (Intermediate Grades Certificate)	Science
Secondary School	Biology
Business Education	Chemistry
English	Social Studies
Foreign Languages	Special Subjects (Grades 1-12)
French	Art
Spanish	Music
	Physical Education and Health

MINIMUM BASIC STUDIES REQUIREMENTS

Graduation from Pembroke State University is based upon successful completion of the Basic Studies Program which is required for all degrees and upon successful completion of a specialized program for a major.

B.A. OR B.S. DEGREE

A student must complete forty-five (45) semester hours of course credit in 100-level and 200-level designated courses in the three basic disciplines which are the:

- (1) Humanities
- (2) Social and Behavioral Sciences
- (3) Natural Sciences and Mathematics

The manner in which these forty-five semester hours of credit is to be distributed is indicated below.

I. Humanities—A minimum of twenty-four (24) semester hours from the areas of:

- A. English (6 semester hours of Composition required)*
- B. Fine Arts (Art, Music, Dramatics)
- C. Foreign Language
- D. History
- E. Philosophy and Religion

Credit must be earned in three of the five areas under the Humanities with a minimum of six semester hours in each of the three areas selected.

II. Social and Behavioral Sciences—A minimum of nine (9) semester hours from the areas of:

- A. Business Administration
- B. Economics
- C. Political Science
- D. Psychology
- E. Sociology and Geography

Credit must be earned in three of the five areas under the Social and Behavioral Sciences.

III. Natural Sciences and Mathematics—A minimum of twelve (12) semester hours from the areas of:

- A. Biological Science
- B. Mathematics
- C. Physical Science

Credit must be earned in all three areas under the Natural Sciences and Mathematics.

An English proficiency test is required of certain students, see page 39.

**PROGRAMS FOR MAJORS AND
SPECIALTY CONCENTRATIONS**

A major field of study consists of not less than thirty semester hours of course credit earned in that field, at least fifteen of which must be in courses numbered above 299. Detailed requirements for majors have been established and are printed in the department section of the catalog.

The departments offer many opportunities for departmental and interdepartmental specialty concentrations. Students interested in developing a specialty concentration should consult with

their advisers and the appropriate department head about available specialty concentrations and about the possibilities for the development of an individualized specialty concentration.

VI. Student Life And Affairs



VI. STUDENT LIFE AND AFFAIRS

STUDENT GOVERNMENT

Although discipline is the legal responsibility of the Administration, the principle of student government is fully supported by the Administration and Faculty. All students attending Pembroke State University automatically become members of the Student Government Association. Student Government functions through its elected representatives and its Sponsor, the Dean of Student Affairs. The Student Government Association is elected by the student body each Spring according to the Constitution and By-Laws of the organization.

ATHLETICS

Pembroke State University attempts to maintain a well rounded program in both intercollegiate and intramural athletics. The University holds membership in the National Association of Intercollegiate Athletics, and fields representative teams in baseball, basketball, golf, soccer, tennis, track, and wrestling. 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 volleyball.

CULTURAL PROGRAMS

The Lyceum Series provides a varied program of lectures, and musical, and dramatic productions throughout the year. Exhibits of the work of Pembroke State University art students and that of regional and national artists are held on a continuous rotating basis in the Pembroke State University Art Gallery, D. F. Lowry Student Center. These exhibitions include painting, sculpture, ceramics, and graphic arts. The Art Gallery also provides for periodic exhibitions of the Pembroke State University Permanent Art Collection.

Semi-annual out-door art sales and shows sponsored by the P.S.U. Art Club are conducted in the spring and the fall.

RELIGIOUS ORGANIZATIONS

Student religious groups organized on the campus include the Baha'i Organization, Baptist Student Union, King's Pentecosta Fellowship, Methodist Student Movement, and the Newman Club. During the spring semester the University observes a religious emphasis week which features lectures and discussion by outstanding personalities representing various religious denominations.

HONORARY ORGANIZATIONS

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

Alpha Theta Honorary Historical Society is open to all students majoring or minoring in history who have at least a "B" average in twelve or more semester hours of history.

The Marshals of Pembroke State University are elected by a joint faculty-student committee. The Marshals officiate at all formal university functions.

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

The Phi Mu Alpha Sinfonia is a national honorary professional music fraternity dedicated to the encouragement and active promotion of the highest standards of creativity, performance, education, research in music, and brotherhood in America.

CLUBS, FRATERNITIES, SORORITIES, AND ACTIVITIES

Clubs

Art
Astrology
Biology
Management (Business)
Circle K
Democrat
Euclidian Mathematics
Fellowship of Christian Athletes
History
Home Economics
Los Conquistadores (Spanish)
Physical Education
Political Science
Republican
Track

Fraternities

Alpha Omega Upsilon
Alpha Theta Mu
Lambda Phi Epsilon
Phi Kappa Rho
Phi Sigma Chi
Tau Sigma Nu

Sororities

Phi Gamma Nu
Tau Delta Rho
Theta Kappa

Activities

The *Band* is open to all students regardless of major. The Band participates in parades and festivals and presents a regularly scheduled series of yearly concerts. As a marching group they travel in surrounding states as well as North Carolina.

The *Black Student Organization* aim is to work to foster the idea of black identity, promote the true spirit of black unity, (with emphasis on character, personality, and scholarship), and to insure effective participation in decision making processes that are of fundamental concern to the organization's members as well as to the black community at-large.

The Bravettes is a 20-50 member precision drill, dance, and marching corps. The Bravettes appear in all parades with the band, in several basketball shows and in other special activities.

The Cheerleaders are selected through competition. In addition to cheering at athletic events, the Cheerleaders are campus leaders in furthering school spirit.

The Concert Choir is open to all students regardless of major. The Concert Choir is a large mixed vocal organization that specializes in performing works of a serious nature as well as the light classics. The Concert Choir appears before campus groups and local groups, and represents the University on tours.

The Indianhead is the university yearbook. All students are eligible to work on the staff.

The Lumbee Student Association's aim is to make known the Lumbee heritage, the economic and political goals of the Lumbees, and the educational opportunities available to Lumbees and to further unify the people.

The Pine Needle is the student newspaper. All students are eligible to work on the staff.

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

The Singers is open to all students regardless of major. The Singers is a mixed vocal ensemble which specializes in performing popular folk songs before campus groups, and local civic organizations, and which goes on university tours.

The Student Music Educators National Conference is open to all students interested in promoting music education in the public schools.

The Student National Education Association is open to all students interested in public school education.

The Swingers is open to all students regardless of major. The Swingers is an instrumental ensemble which specializes in performing popular music and modern dance band arrangements before campus groups, and local civic organizations, and which goes on university tours.

The Women's Recreation Association offers college women an opportunity to participate in basketball, bowling, and volleyball.

STUDENT HOUSING INFORMATION

At Pembroke State University 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 students.

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

Pembroke State University provides adequate dormitory space for both men and women. Each room is arranged to accommodate two, or in some cases three, occupants. Each room is furnished with basic items, but residents may bring rugs, curtains, *et cetera*. Students furnish their own study lamp, towel, pillows, and blankets. Sheets and pillow cases are provided by the University. Daily janitor service is provided for the building; however, each student is expected to make his bed and keep his own room in order.

An application for housing in the dormitory can be obtained from the Director of Student Housing, Pembroke State University, Pembroke, North Carolina. The application and a check for \$25, made payable to Pembroke State University, should be mailed to: Cashier, Pembroke State University, Pembroke, North Carolina 28372. Upon receipt of the completed application and the \$25 dormitory deposit, your name will be placed on a list for dormitory housing. In the event the dormitory does not have space available, the deposit will insure your place on the waiting list, or it will be refunded on request. This room deposit also becomes a breakage deposit upon entrance into the dormitory.

Dormitory Deposit

Students living in the dormitory—The \$25 dormitory deposit continues to be a room reservation deposit throughout your four years of college and will be refunded upon graduation less breakage. If residency is terminated prior to graduation the deposit (less breakage) will be refunded provided:

- (a) The student has notified the Housing Office in writing on or before the first Monday after Thanksgiving Holidays that he will not need his room for the following spring semester, or,
- (b) The student has notified the Housing Office in writing on or before April 15 that he will not need his room for the following fall semester.

Incoming new students—The dormitory deposit will be refunded provided the Housing Office has received written notice of cancellation by July 15. Those students accepted after July

15 may receive a refund provided the Housing Office is notified of cancellation within ten days after acceptance by the University.

3. In case of withdrawal, the dormitory deposit will be refunded only when the student withdraws *after* midsemester.

Exceptions will be made for draft into the military, physical incapacitation, and academic ineligibility. In each situation, the Housing Office must be provided written proof.

Failure to comply with the above will result in forfeiture of your room deposit.

Commencing with the fall semester, 1973, all members of the Freshman and Sophomore Classes will be required to reside on campus as long as rooms are available, or to commute from their parent's home.

The University has dormitory space on campus for 300 men. Housing for men is also available in town. The Housing Office maintains a list of private housing units which have been satisfactory in previous years. The Housing Office makes every effort to assist men in finding private housing in town when university housing is not available.

Currently, the University has dormitory space for 600 women. There is a Head Dormitory Supervisor and an Assistant for each dormitory who live in that dormitory and who help the freshmen in adjusting to college life. As a matter of policy, women must either live in the dormitory or commute from their parents' home. There is no approved off-campus housing for women.

CAFETERIA

Pembroke State University has a contract for cafeteria service with a national food service company. Meals are available at moderate prices.

The following meal plans are available and are optional to dormitory and commuting students:

Per Semester

Full Meal Plan—Monday breakfast through Sunday lunch—\$235
 15 Meal Plan—Monday breakfast through Friday evening—\$205
 10 Meal Plan—Monday breakfast through Friday evening—\$185
 Individual meals may be purchased at reasonable prices.

Per Term of Summer Session

Full Meal Plan—Monday breakfast through Sunday lunch—\$80.00
 15 Meal Plan—Monday breakfast through Friday evening—\$68.00
 Individual meals may be purchased at reasonable prices.

A refund on the unused portion of a purchased meal plan will be made on a prorated basis only if a student officially withdraws from school.

There is a \$10.00 fee for replacing lost meal tickets.

SUMMER HOUSING

Dormitory housing is available during both terms of the Summer Session at the rate of \$40.00 per term. A \$25.00 deposit is necessary to secure a dormitory room.

COUNSELING SERVICES

The University 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 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 extend into each dormitory room through 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 SERVICE

Pembroke State University is proud of its modern 22-bed infirmary, which offers 24-hour coverage. The University Infirmary is supervised by a part-time Medical Doctor who is available each morning, Monday through Friday. He is assisted by a full-time nursing staff consisting of a registered nurse, who is the University Nurse and who supervises the nursing staff, and four nurse assistants.

PLACEMENT OFFICE SERVICES

The Placement Office gives graduates of Pembroke State University and graduates of other institutions, who have attended Pembroke State University, the opportunity to explore career opportunities with recruiters from a large number of business firms, government agencies and school systems which conduct on-campus interviews during the school year. Brochures, applications, pamphlets, and catalogs are available to students wishing to explore various fields of interest. The bulletin boards in the Placement Office are kept current, and provide valuable information relative to immediate vacancies in special fields.

All students are urged to register with the Placement Service

when they become seniors regardless of whether they have an immediate need for the service. Delay of registration may make it difficult to obtain the favorable references that are available now.

Students whose records are in the active file are recommended to prospective employers and notified of vacancies which exist. Upon request by a prospective employer, a set of the student's confidential credentials, consisting of personal data, references from professors, and student teaching reports for those who do student teaching, is sent to the employer by the Placement Service. Registrants are eligible for interviews with recruiters who come to the Placement Office seeking applicants for jobs.

The Director is available for counseling interviews with registrants who need information about job opportunities. There is no charge for any of the placement services.

DISCIPLINE

Pembroke State University 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 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 university dormitories are expected to observe special rules applicable to dormitory students. Students living in private housing off-campus are expected to conduct themselves as responsible young men.

VEHICLE REGISTRATION

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

Students, faculty, and staff members alike are subject to certain traffic rules and regulations. It is your responsibility to obtain a copy of the *Traffic Rules and Regulations* when you register your vehicle in the Business Office. These regulations will be strictly enforced by the Campus Security Officers.

VII. Student Finances



VII. STUDENT FINANCES

FINANCIAL AID

The primary aim of the financial aid program at Pembroke State University is to provide assistance to students who, without aid, would be unable to begin or continue their college education. Financial assistance is provided on the basis of demonstrated need, scholarship, and evidence of good citizenship.

Students who seek financial assistance must file a Parents' Confidential Statement (PCS) and an Application for Financial Assistance. The Parents' Confidential Statement and the Application for Financial Assistance may be obtained from a high school guidance counselor or from the Office for Financial Aid, Pembroke State University. The PCS must be mailed to College Scholarship Service, P. O. Box 176, Princeton, New Jersey 08540, and Pembroke State University must be designated as the recipient. The Application for Financial Assistance should be mailed to the Office for Financial Aid, Pembroke State University.

The PCS and the Application for Financial Assistance should be submitted prior to March 15 to allow time for processing and so awards can be made before Fall registration.

To be eligible to receive financial assistance, a freshman must meet all of the requirements for admission to Pembroke State University. An upperclassman must be in good scholastic standing.

SCHOLARSHIPS

ACADEMIC SCHOLARSHIPS

The Alumni and Friends of Pembroke State University have provided funds to aid students who demonstrate above average academic ability and who are in financial need. The awarding of these scholarships is the responsibility of the Financial Aid Office with the approval of the Faculty Scholarship and Student Assistance Committee.

ATHLETIC SCHOLARSHIPS

The Alumni of Pembroke State University have provided funds to aid young athletes who show exceptional skill in the area of intercollegiate sports. The awarding of these scholarships is the responsibility of the coach in cooperation with the administrator of the University.

STUDENT GOVERNMENT SCHOLARSHIPS

The Student Government Association of the University provides some funds, earned through the rental of refrigerators to dorms

ory residents, for academic and athletic scholarships. The awarding of these scholarships is the responsibility of the Financial Aid Officer with the approval of the Faculty Scholarship and Student Assistance Committee.

HOME ECONOMICS SCHOLARSHIP

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

NORTH CAROLINA TUITION GRANTS

Funds for tuition grants, allocated by the North Carolina Legislature, are made available on an annual basis to residents of North Carolina in attendance at Pembroke State. These grants are limited to basic tuition costs.

EDUCATIONAL OPPORTUNITY GRANTS

The purpose of this program is to provide Educational Opportunity grants to students who have exceptional financial need and who would be unable to enter or remain in institutions of higher education without such assistance. Grants of \$200-\$1,000 are available to students who qualify.

VOCATIONAL REHABILITATION SCHOLARSHIPS

Students who have physical disabilities which constitute vocational handicaps are eligible for scholarships from the North Carolina Vocational Rehabilitation Department. For information, qualified students should write to the Department Of Vocational Rehabilitation, Raleigh, North Carolina.

LOAN FUNDS

NATIONAL DIRECT STUDENT LOAN PROGRAM

Assistance is available in the form of loans which bear no interest while the student is enrolled in school. The borrower is not required to begin repayment until one year after he ceases to pursue a full-time course of study. While the act provides that a student who can show a need for financial assistance may borrow up to \$1,000 per year for five years, the University may place any limit it desires upon the available funds in order to serve the greatest number of applicants. The loans bear interest at the rate of three percent per year and the repayment may be extended over a period of ten years as long as a minimum repayment of \$30 per

month or \$90 per quarter is made. Loan awards to freshmen are made on the basis of College Entrance Examination Board Scores and indicated need. Loan awards to upperclassmen are made on the basis of their previous record and upon need.

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 Public Instruction, Raleigh, North Carolina. This fund provides as much as \$600 per year in financial aid for a prospective teacher.

COLLEGE FOUNDATION, Inc.

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 \$1,500 per academic year from this foundation with endorsement of the University. Under the Higher Education Act of 1965, the government will pay up to 7 percent interest per year on these loans while the student borrower is in college. The borrower pays the full 7 percent per year during the repayment period. Applications can be secured from the Financial Aid Office.

MEMORIAL EMERGENCY LOAN FUND

This is a \$1,000 revolving loan fund. This fund was established through the efforts of Mr. Lacy Maynor, a former Judge of Record-ers Court.

HOME DEMONSTRATION CLUB LOAN FUND.

This is a \$1,000 revolving loan fund. This fund was established through the efforts of Mrs. Helen Sampson, Home Demonstration Agent.

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 University. Because of Dr. Oxendine's great interest in education and in Pembroke State University, it was the desire of his many friends to establish a fund in his name to aid students in furthering their education.

JAMES FULTON LOWERY MEMORIAL LOAN FUND

This fund was established in memory of one of Pembroke's business leaders. Mr. Lowery, for many years, was President of the

Pembroke State University Alumni Association. It was his desire that every student who wanted to further his education be given the opportunity to do so.

JOHN J. AND STEVE BROOKS MEMORIAL LOAN FUND

Mrs. John J. Brooks established this fund as a memorial to her dearly beloved husband and son. Mr. Brooks was an alumnus of this institution and an educator in this county for many years. He was extremely concerned that people be given an opportunity to further their education. Mr. Steve Brooks, their son, was also a student at Pembroke State University.

L. W. JACOBS MEMORIAL LOAN FUND

The Mt. Airy and Harpers Ferry Baptist Churches established this fund in honor of Rev. L. W. Jacobs who served this community for over half a century as a pastor and who served as Chairman of the Board of Trustees of Pembroke State University for over thirty years. Rev. Jacobs was keenly aware of the financial problems many students face as they endeavor to continue their education and he believed that all qualified people should be afforded an educational opportunity.

STUDENT EMPLOYMENT

Many work opportunities are available to students who desire financial aid and who want to work. These positions are with the maintenance department, library, cafeteria, switchboard, administrative and departmental offices, and laboratories. The rate of pay for these jobs is \$1.75 per hour.

The Work-Study Program of the Economic Opportunities Act of 1964 provides job opportunities to students who have very limited financial resources for meeting university expenses. These jobs provide learning opportunities as well as financial aid. The rate of pay for these jobs is \$1.75 per hour.

VETERANS

Veterans who enter the University under Chapter 31, Title 38, U.S. Code, Vocational Rehabilitation for Disabled Veterans, and have the approval of the Veterans Administration will have their university fees paid directly to the University by the Government. Veterans eligible for the new G. I. Bill, Chapter 34, Title 38, U.S. Code, effective June 1, 1966, should make application, and have a Certificate of Eligibility from the Veterans Administration before entering school. For information regarding eligibility, or application forms, contact the Veterans Administration Regional

Office, 301 North Main Street, Winston-Salem, North Carolina. Transfer students on the G. I. Bill should complete VA Form 21E-1955, Request for Change of Program or Place of Training, prior to the time they plan to transfer, and obtain a new Certificate of Eligibility for the school they plan to enter.

VETERAN DEPENDENTS

Children of disabled or deceased veterans may receive financial assistance in the payment of tuition, room, meals, and other required university fees. For information and application forms, students should write to the North Carolina Department of Veterans Affairs, Raleigh, North Carolina.

Chapter 35, Title 38, U.S. Code provides for the training of the children, wives and widows of disabled or deceased veterans. Eligible students should contact their local Veterans Administration Office or the Veterans Administration Regional Office, 301 North Main Street, Winston-Salem, North Carolina, for information about the possible benefits of federal programs administered by the Veteran's Administration.

Students enrolling under provisions of Chapter 34 and 35 will pay fees at the time of registration and receive a monthly education and training allowance from the Veterans Administration. Since the first check is usually delayed, a veteran should make his arrangements as early as possible.

The Certificate of Eligibility should be submitted to the Financial Aid Office for completion after the veteran enrolls.

STUDENT FEES

All fees and tuition are due and payable in full by registration day for each semester or summer term.

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 State University 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 nonresidents. The residency status of each student is determined at the time of original admission in accordance with the following.

RESIDENCE STATUS FOR TUITION PAYMENT

General. The tuition charge for legal residents of North Carolina is less than for nonresidents. To qualify for in-state tuition, a legal resident must have maintained his domicile in North Carolina for at least the twelve months next preceding the date of first enrollment or re-enrollment in an institution of higher education in this state. Student status in an institution of higher education

in this state shall not constitute eligibility for residence to qualify said student for in-state tuition.

Minors. A minor is any person who has not reached the age of eighteen years. The legal residence of a person under eighteen years of age at the time of his first enrollment in an institution of higher education in this state is that of his parents, surviving parent, or legal guardian. In cases where parents are divorced or legally separated, the legal residence of the father will control unless custody of the minor has been awarded by court to the mother or to a legal guardian other than a parent. No claim of residence in North Carolina based upon residence of a guardian in North Carolina will be considered if either parent is living unless the action of the court appointing the guardian antedates the student's first enrollment in a North Carolina institution of higher education by at least twelve months.

Adults. An adult is any person who has reached the age of eighteen years. Persons, eighteen or more years of age at the time of first enrollment in an institution of higher education, are responsible for establishing their own domicile. Persons reaching the age of eighteen, whose parents are and have been domiciled in North Carolina for at least the preceding twelve months, retain North Carolina residence for tuition payment purposes until domicile in North Carolina is abandoned. If North Carolina residence is abandoned by an adult, maintenance of North Carolina domicile for twelve months as a non-student is required to regain in-state status for tuition payment purposes.

Married Students. The legal residence of a wife follows that of her husband, except that a woman currently enrolled as an in-state student in an institution of higher education may continue as a resident even though she marries a nonresident. If the husband is a nonresident and separation or divorce occurs, the woman may qualify for in-state tuition after establishing her domicile in North Carolina for at least twelve months as a non-student.

Military Personnel. No person shall lose his in-state resident status by serving in the Armed Forces outside of the State of North Carolina. A member of the Armed Forces may obtain in-state residence status for himself, his spouse, or his children after maintaining his domicile in North Carolina (change of Home of Record) for at least the twelve months next preceding his or their enrollment or re-enrollment in an institution of higher education in this state.

Aliens. Aliens lawfully admitted to the United States for permanent residence may establish North Carolina residence in the same manner as any other nonresident.

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

Change of Status. The residence status of any student is determined as of the time of his first enrollment in an institution of higher education in North Carolina except:

- (a) in the case of a nonresident student at the time of first enrollment who has subsequently maintained domicile as a non-student for at least twelve consecutive months and
- (b) in the case of a resident who abandons his legal residence in North Carolina.

In either case, the appropriate tuition rate will become effective at the beginning of the first subsequent term enrolled.

Responsibility of Students. Any student or prospective student in doubt concerning his residence status must bear the responsibility for securing a ruling by stating his case in writing to the Admissions Officer. The student who, due to subsequent events, becomes eligible for a change in classification, whether from out-of-state to in-state or the reverse, has the responsibility of immediately informing the Office of Admissions and Registration of this circumstance in writing. Failure to give complete and correct information regarding residence constitutes grounds for disciplinary action.

SCHEDULE OF EXPENSES

Per Semester	In-State	Out-of-State
Registration	\$ 8.00	\$ 8.00
General Fee	5.00	5.00
Tuition (If less than 10 hrs.: in-state—\$10.50 per hr. out-of-state—\$77.50 per hr.)	104.50	775.00
Health Service	14.00	14.00
Health and Accident Insurance	8.00	8.00
Other required Fees	55.00	55.00
	\$194.50	\$ 865.00

For Students Living on Campus:

Add:		
Room	160.00	160.00
Linen	10.00	10.00
	\$364.50	\$1035.00

The following meal plans are available to any student on an optional basis:

Per Semester	
Full Meal Plan	\$235.00
15 Meal Plan, Monday-Friday	205.00
15 Meal Plan, Monday-Friday	205.00
10 Meal Plan, Monday-Friday	188.00

Individual meals may be purchased at reasonable prices.

Per Term of Summer Session

Registration	\$ 4.00
General Fee	5.00
Tuition (per semester hour)	
North Carolina Residents	10.50
Out-of-State Residents	77.50
Health Service and Student Center	15.00
For Students Living on Campus	
Room	40.00
Linen	3.00

The following meal plans are available to any student on an optional basis:

Per Term of the Summer Session

Full Meal Plan	80.00
15 Meal Plan, Monday-Friday	68.00

Individual meals may be purchased at reasonable prices.

LIST OF FEES
(Per Semester)

APPLICATION

Application Fee	\$ 10.00
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This fee is paid at the time of initial application, is non-refundable, and cannot be applied to meet any other charges.

TUITION AND ACADEMIC FEES

Registration Fee	8.00
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This fee must be paid at the time of registration each semester and is non-refundable.

General Fee	5.00
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This fee must be paid each semester. It is used to maintain laboratory, library, and other special supplies and equipment.

Tuition	
North Carolina Residents	104.50
Out-of-State Residents	775.00

GENERAL FEES

Health Service	14.00
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This fee is used to operate the University Infirmary. All regular students taking 7 semester hours or more are required to pay this fee.

Health and Accident Insurance 8.00

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 bill, physicians, and surgeon's fees. More detailed information may be obtained from the University Nurse. All regular students taking 7 or more hours are required to pay this fee.

Other Required Fees 55.00

This fee is used to support various University programs such as Athletics, Band & Chorus, Dramatics, and Student Center. A portion of these funds are allocated to the Student Government Association to support Student Government activities including Yearbook, Newspaper, and Lyceum Series. All regular students taking 7 hours or more are required to pay this fee.

MISCELLANEOUS FEES

Room, Per Semester \$160.00

Linen 10.00

Board— Full Meal Plan, Per Semester 235.00

15 Meal Plan, Monday-Friday 205.00

10 Meal Plan, Monday-Friday 188.00

Meal Plans are optional for dormitory students

Graduation Fee 10.00

This fee must be paid at the time the student makes application for graduation. It is used to pay for the rental of cap and gown and for the diploma.

This is non-refundable fee.

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 \$2.00 for each course involved.

Identification Card 1.00

This fee is payable at the time your I. D. card is made. The I. D. card is valid for 4 years and is

necessary to attend student activity functions.
Lost I. D. cards will be replaced for \$2.00.

Vehicle Registration Fee 3.00

A vehicle registration permit is valid for one full year, Sept. 1, through Aug. 15. Permits sold after May 31 are \$1.00 and valid for Summer Session only.

REFUND POLICY

Please allow two weeks for the processing of any refund request.

Tuition and Fees

If a student officially withdraws from the University 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 for tuition and fees, except registration fee, will be made on a pro-rata basis.

No refunds under any condition will be made after the midpoint of the semester.

No degree or transcript of credits will be furnished until all financial obligations to the University have been satisfied.

Room and Linen Fee

If a student officially withdraws from school prior to mid-semester a prorated refund for room and linen fee will be made on a weekly basis. No refund for room and linen fee will be made after midsemester under any conditions.

Board

If a student officially withdraws from school, a prorated refund will be made for the unused portion of the student's meal ticket. Refunds will be computed from the date the meal ticket is received in the cashier's office.

Dormitory Deposit

Students living in dormitory—The \$25.00 dormitory deposit (less breakage) will be refunded provided:

- (a) The student has notified the Housing Office in writing on or before the first Monday after Thanksgiving Holidays that he will not need his room for the following spring semester, or,
- (b) The student has notified the Housing Office in writing on or before April 15 that he will not need his room for the following fall semester.

2. Incoming new students—The dormitory deposit will be refunded provided the Housing Office has been notified in writing by July 15 (or within 10 days after acceptance) that he is cancelling his room reservation for the fall semester.

Exceptions will be made only for draft into the military, physical incapacitation, and academic ineligibility. In each situation, the Housing Office must be provided written proof. Failure to comply with the above will result in forfeiture of the room deposit.

VIII. Courses of Instruction



VIII. COURSES OF INSTRUCTION

AMERICAN INDIAN STUDIES

Head: ADOLPH L. DIAL

DAVID K. ELIADES
JEFFREY J. GORDON

ROBERT W. REISING
ROBERT K. GUSTAFSON

Pembroke State University had an humble beginning in 1887 as an institution for the American Indian. For more than half a century the institution served only the American Indian.

The University feels a responsibility for offering to the people both Indian and non-Indian, a program in the history of the American Indian and one that will also deal with the complexities of contemporary Indian affairs.

The Department does not offer a major at this time.

COURSES

- 201. American Indian Culture (Interdepartmental)**
A survey of American Indian traditions, aspirations, and contributions through the study of poems, speeches, legends, stories, and novel written by American Indians; through the study of Indian art form and music; through attending plays and outdoor dramas in which Indians play a significant role; and through film study and review. Fall, spring, summer. Credit, 3 semester hours.
- 210. History of the American Indian (History 210)**
A survey of the major Indian cultures in North America with emphasis on those located in the eastern half of the United States. Fall, spring, summer. Credit, 3 semester hours.
- 213. American Indian Religions (Religion 213)**
A study of the development of the religious beliefs and practices of the American Indian. Fall, spring, summer. Credit, 3 semester hours.
- 301. Contemporary Problems of American Indians**
A study of Indian-white contacts, the impact of federal policy on American Indians, and the adaptation of American Indian culture to contemporary economic and social conditions; national in scope with emphasis on the southeastern tribes. Fall, spring, summer. Credit, 3 semester hours.
- 319. History of the American Indian in North Carolina (History 319)**
An examination of selected topics concerning the most significant Indian cultures and tribes in North Carolina, with emphasis on the Cherokee, Catawba, Tuscarora, and Lumbee peoples. Fall, spring, summer. Credit, 3 semester hours.

320. **Native American Literature (Communicative Arts 320)**
 An introduction to Native American Literature. Texts written, collected or edited by Native Americans will be used whenever possible. It is recommended that the student take History of the American Indian prior to or in conjunction with this course. Fall, summer. Credit, 3 semester hours.
351. **Pre-History of North American Indians (Sociology 351)**
 Fundamentals of archeology and pre-history; applications locally (especially Robeson County) regarding site location, site preparation and initial site survey. Students will participate in planning and some field work. Fall or spring. Credit, 3 semester hours.
352. **Field Techniques in American Indian Archeology (Sociology 352)**
 Basic principles and methodology of archeological research in the United States. Pleistocene dating, stratigraphic analysis, and quantitative techniques. Students participate in site reconnaissance, mapping, excavation, and laboratory work. Fall or spring. Credit, 3 semester hours.
401. **Colloquium on American Indian History (History 401)**
 Prerequisite: Permission of the Instructor
 Investigations into selected topics in American Indian history through the reading of significant books, discussions, and supplementary reports. Fall, spring, summer. Credit, 3 semester hours.
427. **American Indian Art History (Art 427)**
 A survey course of the range of artistic expression of the North American Indians, from prehistoric to the 20th century. The course will cover paintings, sculpture, types of habitation, crafts, and ceremonial arts. Fall. Credit, 3 semester hours.
450. **Seminar in Native American Literature (Communicative Arts 450)**
 A study of selected topics in American Indian Literature. (3 semester hours of credit in Communicative Arts 450 can be earned if a student elects the course for Communicative Arts credit) Fall of 1973-74 and alternate years. Credit, 3 semester hours.

ART

Head: PAUL VAN ZANDT

VIRGINIA C. HOLLOWMAN
 TOM SPECK

ROBERT E. KERSHAW, JR.
 JOHN F. FLYNN

The Department of Art fulfills an ever-increasing need by contributing to the cultural life and experience of the whole University, 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 the beauty of everyday life. The Art Department

provides the gifted student with a professional foundation as an artist and as a teacher.

In conjunction with other parts of the University the Art Department offers the following programs leading to the Bachelor of Arts degree and the Bachelor of Science degree with teacher education certification for teaching at the k-12 level.

Before graduating from either program a senior is required to prepare and display an exhibition of his work from his area of concentration.

Requirements For A Bachelor Of Arts Degree

	Sem. Hrs.
Basic Studies Requirement (pp. 47)	45
Major Requirements	
Twenty-seven semester hours of lower level art studies: 100, 101, 102, 105, 109, 111, 132, 133, 140, 151,	
Six semester hours, advanced History of Art	
Twelve semester hours, Area of Concentration: Sculpture, Ceramics, Graphics, or Painting	
Nine semester hours, Area of Secondary Interest: Sculpture, Painting, Ceramics, Graphics, or Commercial Art	54
Electives	21
Total	120

Requirements For A Bachelor Of Science Degree With Teacher Education Certification For Teaching At The K-12 Level

	Sem. Hrs.
Basic Studies Requirements (pp. 47)	45
Major Requirements	
Twenty-seven semester hours of lower level art studios: 100, 101, 105, 109, 111, 132, 133, 140, 151, 206	
Six semester hours, advanced History of Art	
Nine semester hours, one area of advanced art studio	
Six semester hours, Art Education: 108-A, 306	48
Professional Education Requirements:	
Ed. 227, 445, 448; Art 400; Ed. Psy. 202, 308	21
Electives	6
Total	120

COURSES

100. Art Concepts

Restriction: AVAILABLE TO DECLARED ART MAJORS ONLY

A historical study of the theories and philosophies of the visual arts. An introductory analysis of past and present art theories with emphasis on their historical importance in terms of modern day concepts. A directed readings and seminar course aimed at developing individual concepts of creative endeavor. Fall. Credit, 2 semester hours.

101. Two-Dimensional Design (Required of all art majors.)
A study and application of design principles in creative two-dimensional projects in line, value, color and texture. Fall. Credit, 3 semester hours.
102. Three-Dimensional Design (Required of all B.A. art majors.)
Prerequisite: Art 101
A study and application of design principles in creative three-dimensional projects in mass and space using various materials. Spring. Credit, 3 semester hours.
104. Ideals and Techniques in Art
An introduction to the theory and practice of art for non-art majors. A practical approach to art for everyday living. Fall and spring. Credit, 3 semester hours.
105. Introduction to Sculpture
A survey course aimed at studying the problems of mass and space in sculpture. Various materials and sculptural techniques will be explored. Fall. Credit, 3 semester hours.
- 108 A. Art Education in the Public Schools (Required for B.S. Art Majors only)
A course designed to convey a working knowledge of the materials used in arts and crafts and a study of historical and contemporary philosophies of Art Education as they apply to motivation, budget, and curriculum construction (4-9). Fall. Credit, 3 semester hours.
- 108B. Art Education in the Public School (Required of all elementary education majors.)
A study of arts and crafts as an integral part of teaching in the elementary 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 and spring. Credit, 3 semester hours.
109. Figure Drawing
Restriction: AVAILABLE TO DECLARED ART MAJORS ONLY
A course to introduce the student to the figure as an art form. Various techniques will be explored. Fall. Credit, 3 semester hours.
11. Introduction to Ceramics
Introduction to basic forming and decorating methods of ceramics. The student will study mixture glazes from recipes. Basic firing procedures and ceramic aesthetics will be introduced. Fall and spring. Credit, 3 semester hours.
132. Introduction to Drawing
A course designed to acquaint the students with the basic principles of media and terminology of drawing. Fall and spring. Credit, 3 semester hours.
133. Introduction to Painting
An introduction to color, structure and pictorial organization. Various techniques and group criticism will be implemented. Fall and spring. Credit, 3 semester hours.

140. **Introduction to Graphics**
 Restriction: AVAILABLE TO DECLARED ART MAJORS ONLY.
 A survey course aimed at the study of basic techniques and procedures in graphic arts. Studio projects include problems in intaglio, lithography, wood cuts and wood engravings. Fall and spring. Credit, 3 semester hours.
151. **Lettering**
 Restriction: AVAILABLE TO DECLARED ART MAJORS ONLY.
 An introduction to calligraphy and the techniques of one stroke brush lettering, speedball pen and constructed lettering, spacing and lettering application in graphic layout. Spring. Credit, 1 semester hour.
205. **History and Appreciation of Art (Cannot be applied toward a major in 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 and spring. Credit, 3 semester hours.
206. **Still and Motion Photography**
 An introduction to the basic technical and aesthetic principles of still and motion photography. Spring. Credit, 3 semester hours.
207. **Ceramic Technology**
 An indepth study of the basic ceramic materials and their uses in the formulation of glazes and clay bodies. Kiln construction and firing procedures will be incorporated. Fall. Credit, 2 semester hours.
224. **Arts and Crafts for Teachers of the Mentally Retarded**
 A study of the performance of the slow learning child in art. A survey of art techniques and procedures. An exploration into methods of presenting ideas and materials as related to attention spans, motivation readiness, effects of reward and need satisfaction. A special emphasis placed on methods of presenting art as an activity interacting with the total environment. Spring. Credit, 3 semester hours.
225. **Arts and Crafts for Early Childhood**
 Lecture and discussion course concentrating on techniques of motivation as they apply to early childhood education. Fall and spring. Credit 3 semester hours.
250. **Advertising Design**
 Prerequisite: Art 151
 An introduction to applied lettering, layout, story, illustration, and general graphic advertising. Spring. Credit, 2 semester hours.
251. **Commercial Art Techniques**
 A study of studio production of commercial art problems through the use of silk screen, air brush, scratch board, typography, line and half tone reproductions, overlays, and color separations. Fall. Credit, 3 semester hours.
- 304, 305. **Advanced Drawing and Design**
 Prerequisite: Art 101 & 132 (304 must be taken before 305)
 Advanced specialized problems in two dimensional forms. Fall and spring. Credit, 3 or 6 semester hours.

306. **Crafts for Secondary Education**
A course of craft projects which would cover: a) the use of basic materials such as wood, metal, cloth, etc; b) the aesthetic principles of design as applied to these projects; c) how such craft projects may be effectively presented at the secondary level. Spring. 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. Spring. Credit, 3 semester hours.
316. **Advanced Sculpture**
Prerequisite: Art 315
Advanced study in sculpture devoted to developing skills, techniques, and exploration of new materials. Spring. Credit, 3 semester hours.
320. **Advanced Figure Drawing**
Advanced study of the figure as an art form. Spring. Credit, 3 semester hours.
- 331, 332. **Advanced Drawing and Painting**
Prerequisites: Art 131-132
A course designed to broaden perceptive awareness in the areas of composition, space and color theory. Fall and spring. Credit, 3 to 6 semester hours.
341. **Ceramics**
Prerequisite: Art 111
A further studio study of creative methods and aesthetics introduced in Art 111. Basic glaze theory and firing management is covered in addition to compounding clay bodies for specific ceramic techniques. Fall and spring. Credit, 3 semester hours.
42. **Advanced Ceramics**
An advanced study of problems in the production of sets and formulation of original glazes. Fall and spring. Credit, 3 semester hours.
- 50, 351. **Printmaking I**
Prerequisite: Art 140
Study of relief and serigraphic printmaking processes. Fall and spring. Credit, 3 to 6 semester hours.
60. **Problems Seminar**
A course designed to afford the student an opportunity to explore a thesis of his own design. The student will be responsible for the structure and completion of the problems which he has proposed to explore. This course may be taken by the approval of the department chairman only. TBA. Credit, 1-3 semester hours.
90. **Public School Art Curriculum**
Study of the origins and development of the Public School Art Curriculum in relationship to the development of arts and crafts as a non-subject field in general education. 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, books, and equipment. Fall. Credit, 3 semester hours.

406. Art Anatomy

A study in surface anatomy, placing an emphasis on figure drawing in various media. Bone and muscular structure will be incorporated. Spring. Credit, 3 semester hours.

407, 408. Art Supervision

Designed for advanced art majors to obtain experience in directing beginning students in studio techniques. Restricted to the advanced major who is supervising only in his area of concentration or secondary interest and has junior or senior standing. TBA. No credit.

409, 410. Printmaking II

Prerequisites: Art 140 and 350 or 351

Study of intaglio printmaking processes and lithography printmaking processes. Fall and spring. Credit, 3 semester hours.

415. Advanced Sculpture

Prerequisite: Art 316

A course designed to explore methods of working in various metals. The study of problems in welded sculpture. Spring. 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. Credit, 3 semester hours.

421. Ancient and Medieval Art History

A survey of architecture, sculpture, painting, and other arts from pre-historic times to the Italian Renaissance. Offered once each academic year: Spring of one year and Fall of the next. Credit, 3 semester hours.

422. Italian Renaissance Art History

A study of the art of the Italian Renaissance. Offered once each academic year: Spring of one year and Fall of the next. Credit, 3 semester hours.

423. Modern Art History

A study of the artists and art schools that evolved in Europe during the 19th century. Offered once each academic year: Spring of one year and Fall of the next. Credit, 3 semester hours.

424. Contemporary Art History

A study of the artists, theories and art schools that evolved in Europe in the 20th century. Offered once each academic year: Spring of one year and Fall of the next. Credit, 3 semester hours.

425. European Art History, 1500-1800

A survey of European painting and sculpture from the Renaissance through the Rococo period except for Italian art. Offered once each academic year: Spring of one year and Fall of the next. Credit, 3 semester hours.

426. **Art History of the United States**
A study of painting, architecture and sculpture of the United States from Colonial times to the present with an emphasis on 20 century art. Offered once each academic year: Spring of one year and Fall of the next. Credit, 3 semester hours.
427. **American Indian Art History (American Indian Studies 427)**
A survey course of the range of artistic expression of the North American Indians, from prehistoric to the 20th century. The course will cover paintings, sculpture, types of habitation, crafts, and ceremonial arts. Fall. 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 experience. Fall and spring. Credit, 3 semester hours.
436. **Advanced Painting**
A course for the student's personal development of individual expression in painting. Fall and spring. Credit, 3 semester hours.
441. **Advanced Ceramics**
Prerequisite: Art 342
Studio projects in compounding whitewares (porcelanous bodies) and the study of problems peculiar to these bodies. The formulation of suitable glazes and special aesthetic problems will be considered. Fall and spring. Credit, 3 semester hours.
442. **Advanced Ceramics**
Prerequisite: Art 441
The assignment of creative ceramic problems in line with individual student interest and needs. Fall and spring. Credit, 3 semester hours.
51. **Advanced Drawing and Graphics**
Prerequisite: Art 332
A course designed to concentrate on the drawing skills, line simplification, and graphic reproduction of creative drawing experiences. Fall and spring. Credit, 3 semester hours.
60. **Problems Seminar**
A course designed to afford the student an opportunity to explore a thesis of his own design. The student will be responsible for the structure and completion of the problems which he has proposed to explore. This course may be taken by the approval of the department chairman only. TBA. Credit, 1-3 semester hours.
99. **Independent Study in Art**
Prerequisites: Introductory course in chosen area and approval of Department Head
Directed reading, research and problem solving in the student's major or secondary area of interest. This course is designed to fulfill individual and specific needs of the art major in his particular area of advanced study. Fall and spring. Credit, 1 to 3 semester hours.

BIOLOGY

Head: ROBERT F. BRITT

WILLIAM G. CARTER
JAMES B. EBERT
DAVID K. KUO
JOSEPH A. MCGIRT

*ROBERT L. MASON
HAROLD D. MAXWELL
LINDA B. OXENDINE

The objectives of the Biology Department are to afford students an opportunity to gain an understanding of themselves and their environment and thus prepare themselves for taking a fuller, more satisfying role in society; to train students in their ability to reason inductively and deductively; to encourage original thought; to prepare teachers in the biological sciences for the elementary and secondary school; and to provide a background in subject matter and laboratory skills for curricula in which the fundamentals of the various sciences are used.

Students interested in developing a specialty concentration in Biology should see the Department Head for details.

To fulfill the Biology requirement for Basic Studies, the student should take Biology 100, Principles of Biology; or Biology 207, History of Biology; or Biology 210, Conservation and Environment.

Elementary education majors should take Biology 105, General Biology for Elementary Education to fulfill the basic studies requirement.

In conjunction with other parts of the University, the Biology Department offers the following programs leading to the Bachelor of Science degree and the Bachelor of Science degree with teacher education certification at the secondary level.

MEDICAL TECHNOLOGY PROGRAM

The Biology Department offers a program to its majors in affiliation with hospitals approved by the Council on Medical Education of the American Medical Association which gives the biology major who successfully completes the program and an examination given by the Board of Registry of Medical Technologists a Medical Technology Certificate. The student completes six semesters of on-campus study and one year of study and training with pay in an affiliated hospital. Interested students should consult the Head of the Biology Department for details.

* *On Academic Leave*

Requirements For A Bachelor Of Science Degree In Biology

	Sem. Hrs.
Basic Studies Requirements (pp. 47)	45
Requirements for a Biology Major	
Biology 100, 101, 102, 304, 371, 472. (23 semester hours)	
Ten to twelve semester hours elected from one of the following areas of concentration:	
1. Biology: At least one course from two of the three following areas: Biology, Botany, Zoology	
2. Botany: Courses taken from the following: Biology 201, 231, 232, 305, 340, 354, 360, 420	
3. Field Biology and Ecology: Courses taken from the following: Biology 210, 301, 305, 340, 350, 360, 420, 430, 441	
4. Zoology: Courses taken from the following: Biology 211-212, 221, 222, 301, 310, 319, 350, 376, 430, 441, 461	33-35
Mathematics 107, 108 or 107, 118	6
Chemistry 100, 101	8
Electives	26-28
	120

Requirements For A Bachelor Of Science Degree With Teacher Certification

	Sem. Hrs.
Basic Studies Requirements (pp. 47)	45
Requirements for a Biology Major	
Biology 100, 101, 102, 304, 371, 472. (23 semester hours)	
Ten to twelve semester hours elected from one of the following areas of concentration:	
1. Biology: At least one course from two of the three following areas: Biology, Botany, Zoology	
2. Botany: Courses taken from the following: Biology 201, 231, 232, 305, 340, 354, 360, 420	
3. Field Biology and Ecology: Courses taken from the following: Biology 210, 301, 305, 340, 350, 360, 420, 430, 441	
4. Zoology: Courses taken from the following: Biology 211-212, 221, 222, 301, 310, 319, 350, 376, 430, 441, 461	33-35
Mathematics 107, 108 or 107, 118	6
Chemistry 100, 101	8
Professional Education Requirements	
Education 227, 400, 445, 448; Educational Psychology 202, 308	21
Electives	5-7
	120

Requirements for a Bachelor of Science Degree in Biology with an Emphasis in Medical Technology

	Sem. Hrs.
Basic Studies Requirements (pp. 47)	(45) 33
Major Requirements	
Biology 100, 101, 102, 211, 212, 304, 315, 371, 472	

Chemistry 100, 101, 300, 301, 311, 311L	61
Mathematics 107, 108	30
Clinical work in Approved Hospital	0
Electives	<hr/>
	124

COURSES

Biology 100, Principles of Biology, is a prerequisite to all other Biology courses except Biology 105, General Biology for Elementary Education; Biology 207, History of Biology; and Biology 210, Conservation and Environment. These three courses have no prerequisites; however, only elementary education majors are permitted to take Biology 105.

100. Principles of Biology

An introduction to modern and classical biological concepts. Fall, spring. Three lectures weekly. Credit, 3 semester hours.

101. General Botany

Introductory plant science with emphasis on morphology and physiology of the seed plants and a survey of representative types from the plant kingdom. Fall, spring. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours.

102. General Zoology

A study of the major animal systems, processes and phyla. A prerequisite to all other courses in zoology. Fall, spring. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours.

105. General Biology for Elementary Education

Restriction: Elementary education majors only

An introduction to biological concepts applicable to the elementary school curriculum. Fall, spring. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours.

201. Economic Botany

A study of the origin, distribution, propagation and use of the economically important plants. Fall of 1973-74 and alternate years. Three lectures weekly. Credit, 3 semester hours.

207. History of Biology

An introduction to the major ideas of Biology and their development. Fall of 1974-75 and alternate years. Three lectures weekly. Credit, 3 semester hours.

210. Conservation and Environment

A study of our natural resources, emphasizing: (1) the role natural resources have played in promoting our economic well being, (2) the techniques and policies by which these resources can be intelligently managed and utilized, and (3) the urgency for halting resource abuse and the deterioration of environmental quality. Fall. Two lectures weekly. Credit, 2 semester hours.

211, 212. Human Anatomy and Physiology

Prerequisite: Biology 102

A course covering the structure and function of the human body. Appropriate physiological exercises and dissections of a mammal are performed concurrently in the laboratory. Fall, spring. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours each.

221. Comparative Anatomy

Comparative studies of the various organs and systems of vertebrates and laboratory emphasis on the lamprey, dogfish shark, salamander, and the cat. Fall of 1973-74 and alternate years. Two lectures and two, two-hour laboratories weekly. Credit, 4 semester hours.

222. Embryology

Early developmental biology leading to organogenesis. Laboratory emphasis on the chick. Spring of 1974-75 and alternate years. Two lectures and two, two-hour laboratory periods weekly. Credit, 4 semester hours.

231. Morphology of the Non-Vascular Plants

A comprehensive survey of the algae, fungi, and bryophytes dealing with structure, form, and reproduction. Fall of 1974-75 and alternate years. Three lectures and a two-hour laboratory period 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 of 1974-75 and alternate years. Three lectures and a two-hour laboratory 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 of 1974-75 and alternate years. One lecture and 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. Fall. Two lectures and two, two-hour laboratory periods weekly. Credit, 4 semester hours.

305. Introductory Mycology

An introduction to the fungi, with emphasis upon taxonomy and physiology, including some reference to their economic importance. Fall of 1973-74 and alternate years. Two lectures and a two-hour laboratory period weekly. Credit, 3 semester hours.

10. Invertebrate Zoology

A survey of the major invertebrate phyla, emphasizing the marine representatives. At least two Saturday field trips are required. Spring of 1973-74 and alternate years. Two lectures and two, two-hour laboratory periods weekly. Credit, 4 semester hours.

315. Microbiology

A study of bacteria and other microorganisms, their structure, development and function. Emphasis is placed on the fundamental concepts and techniques in microbiology; such as, isolation, cultivation, observation, morphology, and physiology and nutrition of bacteria. The applications of microbiology, the role of microbes in nature, and their role in infection and immunity are considered. Fall of 1974-75 and alternate years. Two lectures and two, two-hour laboratory periods weekly. Credit, 4 semester hours.

319. Animal Parasitology

An introduction to the classification, morphology, life history, and control of some common parasites. Fall of 1973-74 and alternate years. Two lectures and a two-hour laboratory period weekly. Credit, 3 semester hours.

340. Plant Taxonomy

An introduction to systematic botany with emphasis on identification of the local vascular flora. Spring of 1973-74 and alternate years. Two lectures and 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 of 1974-75 and alternate years. Two lectures and a two-hour laboratory period weekly. Credit, 3 semester hours.

354. Plant Physiology

A general study of the physiological activities in plants such as the fundamental principles, water relations, metabolism, plant growth hormones, as well as growth and development. Spring of 1974-75 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

360. Dendrology

A taxonomic survey of native and introduced woody plants. Summer session. Five lectures and ten laboratory hours weekly. Credit, 4 semester hours.

371. Cell Biology

Prerequisites: Chemistry 111, 112; 321, 322 recommended.

A study of cellular ultrastructure and physiology. Fall. Three lectures and one 2-hour laboratory period weekly. Credit, 4 semester hours.

376. Endocrinology

A study of the morphology and physiology of vertebrate endocrine systems. Growth, metabolism and reproduction will be emphasized. Spring of 1973-74 and alternate years. Three lectures and one 2 hour laboratory period weekly. Credit, 4 semester hours.

420. Plant Ecology

Prerequisite: Biology 304

Study of various environmental factors operative in different natural habitats. Spring of 1974-75 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

422. Evolution

Prerequisite: Consent of the instructor

An introduction to and analysis of the concepts of organic evolution, mutation, adaptation, selection, competition, and origin of species are considered. Spring of 1973-74 and alternate years. Three lectures weekly. Credit, 3 semester hours.

430. Animal Ecology

Prerequisite: Biology 304

A study of animal ecology with emphasis on adaptations to various habitats and interorganismic relationships. Spring of 1973-74 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

441. Ichthyology

Prerequisites: Biology 100, 102, 221

The taxonomy and ecology of fishes with special emphasis on the freshwater forms of the Eastern United States. The anatomy, physiology and evolution of certain selected groups of fishes will be studied. Fall. Three recitations and one 2-hour laboratory period weekly. Credit, 4 semester hours.

461. Animal Physiology

Prerequisite: Biology 100, 102; Chemistry 300, 301; and Biology 371 recommended

A study of physiological principles as they occur throughout the animal kingdom with special emphasis on mammals. A comprehensive study of the mechanisms involved in the maintenance of the homeostatic condition. Spring of 1973-74 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

472. Principles of Genetics

Prerequisites: Chemistry 100, Mathematics 107

An introductory course. Emphasis is placed on the fundamental principles, the physical and chemical basis of inheritance, genes as units of structure and function, and the qualitative and quantitative aspects of genetic variation. A general survey of human genetics is also considered. Spring. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

499. Research in Biology

Restriction: Senior biology majors with a quality point average of 3.0 in the major.

Prerequisite: Consent of the instructor and approval of the research proposal by a 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. Fall, spring, summer. Credit, 1 to 3 semester hours.

BUSINESS ADMINISTRATION*Head:* KARL SCHEELE

GEORGE AMMONS
 WILLIAM DUDLEY
 MAGNOLIA GRIFFITH

DAVID MAYNOR
 ALBERT PEJACK

The Department aims to fulfill an increasing need for training men and women for responsible leadership in business and in professional life. The Department offers programs leading to the Bachelor of Science degree in Business Administration with an emphasis on Management, the Bachelor of Science degree in Business Administration with an emphasis on Accounting, the Bachelor of Science degree in Business Education emphasizing a comprehensive business curriculum, and the Bachelor of Science degree in Business Education emphasizing a basic business curriculum.

Other objectives of the Department are: (1) to offer "Introduction to Business" and "Income Tax Procedure" as Social Science electives which may be taken by any student of the University in partial fulfillment of the basic studies requirement, (2) to serve the business community of the area by sponsoring conferences and management training programs, and (3) to encourage business research.

Requirements for a Bachelor of Science Degree in Business Administration with Emphasis on Management

	Sem. Hrs.
Basic Studies Requirements (pp. 47)	45
Major Requirements (Bus. Adm.)	
Business 227, 228, 307, 308, 309, 310, 312, 315, 316, 317, 408, 415, 462, 465, and 466	
Economics 201, 202, 304	
Mathematics 107, 118	60
Electives	15
Total	120

Requirements for a Bachelor of Science Degree in Business Administration with Emphasis on Accounting

	Sem. Hrs.
Basic Studies Requirements (pp. 47)	45
Major Requirements (Bus. Adm.)	
Business 227, 228, 307, 309, 310, 312, 315, 316, 321, 322, 415, 417, 421, 423, 424, 458, 462	
Economics 201, 202, 304	
Mathematics 107, and 118	66
Electives	9
Total	120

Requirements for a Bachelor of Science Degree in Business Education Emphasizing a Comprehensive Business Curriculum (Teacher Certification)

	Sem. Hrs.
Basic Studies Requirements (pp. 47)	45
Major Requirements(Bus. Ed.)	
Business 201, 202, 208, 209, 214, 227, 228, 303, 305, 307 or 308, 312, 313, 314, 315 or 316, 450, 453, 462	
Economics 201	51
Professional Education Requirements	
Ed. 227, 400, 445, 448; Ed. Psy. 202, 308	21
Electives	3
Total	120

Requirements for a Bachelor of Science Degree in Business Education Emphasizing a Basic Business Curriculum (Teacher Certification)

Basic Studies Requirements (pp. 47)	45
Major Requirements (Bus. Ed.)	
Business 201, 202, 208, 209, 227, 228, 303, 305, 307 or 308, 312, 315 or 316, 317, 450, 453, 462	
Economics 201	45
Professional Education Requirements	
Ed. 227, 400, 445, 448; Ed. Psy. 202, 308	21
Electives	9
Total	120

COURSES

GENERAL BUSINESS

- 209. Introduction to Business
A survey and operational analysis of business administration and organization. Consideration is given to such topics as legal forms of business, management, marketing, risk, accounting, statistics, and governmental regulation. A general course designed for all students. Fall. Credit, 3 semester hours.
- 230. Income Tax Procedure
Introduction to the taxation of income and to Social Security taxes. The preparation of individual income tax returns. A general course designed for all students. Spring. Credit, 3 semester hours.
- 300. Principles of Insurance
Basic principles and practices of life, property, casualty, and social insurance. Spring. Credit, 3 semester hours.
- 303. Business Communications
Development of skill in the fundamentals of effective communication and detailed study of principles and application of business letters and business writings, including business reports and other forms of business communication. Fall. Two lectures weekly, Credit, 2 semester hours.

309, 310. Business and Economic Statistics I and II

Prerequisite: Math 118

Fall or spring. Credit, 6 semester hours.

312. Marketing

Prerequisite: Bus. Admin. 228

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

315. Business Law I

The general principles of business law, including contracts, negotiable instruments, partnerships, and corporations. Fall. Credit, 3 semester hours.

316. Business Law II

The general principles of business law, including personal and real property, mortgages, insurance, bankruptcy, suretyship and trade regulations. Spring. Credit, 3 semester hours.

320. Advertising

The principles, practices, and effects of advertising, including cost means, and media. Spring. Credit, 3 semester hours.

415. Business Finance

Prerequisite: Bus. Admin. 228

The basic principles of business finance as they apply to various forms of business organization: type of securities, obtaining short and long term capital. Includes financial planning and control, forecasting and budgeting. Fall. Credit, 3 semester hours.

416. Investment Principles and Practices

Prerequisite: Business Admin. 228

A study of a systematic way of thinking about problems of investment policy, management of a securities portfolio, and an introduction to the field of security analysis. Spring. Credit, 3 semester hours.

420. Salesmanship

A study of the significance of sales in the economy; principles and methods of salesmanship and the management of sales. Spring. Credit, 3 semester hours.

462. Business Information Systems

Prerequisite: Bus. Admin. 228

The course is intended to provide students in business with an understanding of how computer-based business information systems are constructed. Spring. Credit, 3 semester hours.

MANAGEMENT**307. Principles of Management**

Prerequisite: Bus. Admin. 227

A general course designed for all majors in Business Administration and Economics. Fall. Credit, 3 semester hours.

308. Human Relations in Management

Introduction to human relations as a management function. Application of basic knowledge about behavior, motivation, and interrelationship of the human resources in production. Spring. Credit, 3 semester hours.

317. **Managerial Accounting**
Prerequisite: Bus. Admin. 228
This accounting course emphasizes how accounting data can help managers to get things done. The product of accounting is applied to the process of management. Fall. Credit, 3 semester hours.
408. **Personnel Management**
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. Credit, 3 semester hours.
465. **Business Decisions Under Uncertainty**
Prerequisite: Bus. Admin. 307 and 310
An analysis of decision making in the face of uncertainty under various competitive conditions. Fall. Credit, 3 semester hours.
466. **Business Policy**
Prerequisite: Bus. Admin. 465
Problems solving and decision making as used by top management. Spring. Credit, 3 semester hours.

ACCOUNTING

- 227, 228. **Principles of Accounting I and II**
Introduction to accounting. Fall, spring. Two lectures and two laboratory periods weekly. Credit, 6 semester hours.
- 321, 322. **Advanced Accounting I and II**
Financial accounting measurement including such areas as determination of periodic income, cost allocation, depreciation theory, equity measurement, and flow of funds. Fall or spring. Credit, 6 semester hours.
417. **Income Tax Accounting**
Prerequisite: Bus. Admin. 228
A technical treatment including partnership and corporation reporting of income to the federal government. Fall. Credit, 3 semester hours.
421. **Advanced Accounting Problems**
Prerequisites: Bus. Admin. 322
Discussion and problems are used to develop and refine problem-solving techniques for areas frequently recurring in the C.P.A. examination and in accounting practice. Fall. Credit, 3 semester hours.
- 423, 424. **Cost Accounting**
Prerequisite: Bus. Admin. 322
Cost determination and analysis, cost control, and cost-based decision making. Included are such topics as direct and indirect cost, application of burden, and responsibility accounting. Fall or spring. Credit, 6 semester hours.
458. **Auditing**
Prerequisite: Bus. Admin. 322
Auditing standards, principles, procedures, and techniques: internal control; audit programs, working papers, and reports. Spring. Credit, 3 semester hours.

BUSINESS EDUCATION

102, 201, 202. Typewriting

Basic Typewriting, Intermediate and Advanced Typewritten Communication. Students who have successfully completed one semester of typewriting are not eligible to register for 102. Course 201 is offered during the Fall semester; courses 102 and 202 are offered during the Spring semester. Three laboratories weekly. Credit, 2 semester hours for each level with a total of 6 semester hours.

104. Business Mathematics

Help students gain a proficiency in basic mathematics necessary to analyze business data. Provides drill in basic computations as well as development of problem solving ability for actual business and personal situations. Spring. Two lectures weekly. Credit, 2 semester hours.

208. Beginning Practicum

The Business Education major directs individual students in an extra-curricular high school workshop. The purpose of the workshop is to learn "how to type", for instance, in view of writing private letters or of preparing homework. Spring. Credit, 3 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. Three lectures and two laboratories weekly. Credit, 6 semester hours.

305. Business Machines

Development of vocational proficiency in the following office machines: ten-key and full-key adding listing machines, rotary calculator, printing calculator, electronic calculator, dictation and transcription equipment, and liquid and spirit process duplicators. Spring. Three laboratories 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. Three lectures and two laboratories weekly. Credit, 3 semester hours.

314. Advanced Shorthand II

A continuation of rapid dictation and rapid transcription. Spring. Three lectures and two laboratories weekly. Credit, 3 semester hours.

450. Principles and Problems in Business Education

Aims and objectives of business education. Evaluation of various business curricula in relation to modern educational philosophy, trends and problems in business education, and findings in research in business education. Fall. Three lectures weekly. Credit, 3 semester hours.

453. Secretarial Office Practice

A terminal course required of all business education majors. It is de

signed 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 office. Fall. One lecture and three laboratories weekly. Credit, 3 semester hours.

COMMUNICATIVE ARTS

Head: RAYMOND J. RUNDUS ✓

RICHARD H. BAUM ✓
 ROBERT E. CARLILE ✓
 ALBERT D. DUNAVAN ✓
 JAMES S. FARMER
 MARJORIE L. FARMER
 GRACE E. GIBSON

LOIS B. LEWIS
 BERTHA B. MATHEWS
 GEORGE W. POLHEMUS
 ROBERT W. REISING ✓
 RICHARD R. VELA
 ANN F. WELLS

The Communicative Arts Department of Pembroke State University exists for the common good of its students, of the campus community, and of a rational and humane society. To serve these purposes, the Department attempts to offer distinctive, realistically conceived, and well-executed programs for (1) the Basic studies student, to whom a wide choice of courses is available, (2) the Communicative Arts Major (Four Options), (3) the student seeking North Carolina Teacher Certification (see English and Speech Education), and (4) the student majoring in another department who wishes to develop a specialty concentration within the Department or simply choose an elective or two. The Department recognizes that each program has a different philosophy and different objectives and seeks to make the student aware of and responsive to the philosophy and objectives of his particular program.

Information is available in the department offices about advisement and screening procedures for Communicative Arts majors; each student is asked to prepare and file an acceptance form following completion of his "core" major requirements. Also available is information about developing a specialty concentration in American Literature, Comparative Literature, Public Address and Affairs, Drama, Expository and Creative Writing, Literary Genres and Figures, Linguistics and Grammar, or Journalism and Mass Communications. These are generally available to Communicative Arts majors as well as to students majoring in other departments.

The Communicative Arts Department recommends that its majors take a foreign language.

Requirements for a Bachelor of Arts Degree in Communicative Arts: Dramatic Literature and Performance

	Sem. Hrs
Basic Studies Requirements (pp. 47)	45
Major Requirements	
"Core Courses: CMS 101, 271, and six semester hours of 200-level literature	
CMA 250: Introduction to Theatre	
Eighteen Semester hours of advanced major courses (Identified in department publication of 1973-1974 major requirements)	33
Electives	42
Total	120

Requirements for a Bachelor of Arts Degree in Communicative Arts: English Education Option (Teacher Certification)

	Sem. Hrs
Basic Studies Requirements (pp. 47)	45
Major Requirements	
"Core" Major Courses: CMA 101, 271 and six semester hours of 200-level literature	
Three additional semester hours of 200-level literature or CMA 302: Literary Analysis and Interpretation	
Upper-Division Major Courses: CMA 351 or 352, 381; EED 372, 374, 384; EDN 419; and 4-6 semester hours of CMA or EED electives	37-39
Professional Education Requirements	
Education 227, 400, 445, 448; Ed. Psy. 202, 308	21
Electives	15-17
Total	120

Requirements for a Bachelor of Arts Degree in Communicative Arts: Language and Literature Option

	Sem. Hr
Basic Studies Requirements (pp. 47)	45
Major Requirements	
"Core" Major Courses: CMA 101, 271, and six semester hours of 200-level literature	
CMA 302: Literary Analysis and Interpretation	
Eighteen semester hours of Upper-Division Major Courses (Identified in department publication of 1973-1974 major requirements)	33
Electives	42
Total	120

Requirements for a Bachelor of Arts Degree in Communicative Arts: "Contracted" Major Option

	Sem. Hr
Basic Studies Requirements (pp. 47)	45
Major Requirements	
"Core" Major Courses: CMA 101, 271 and six semester hours of 200-level literature	

Eighteen semester hours of "Contracted" major courses (Up to nine semester hours may be taken in other departments.)

CMA 499: Independent Study	33
Electives	42
Total	120

Courses

With the exception of CMA 250: Introduction to Theatre, CMA 105: Contexts for Composition I and CMA 106: Contexts for Composition II are prerequisite to all 200-level "core" courses and all required major courses.

I. COMMUNICATIVE ARTS

BASIC SKILLS

- 99. **Basic Communications Skills**
The study and practice of basic English skills. Special attention to sentence mastery as a requirement for effective written expression. Fall, spring. Non-Credit.
- 01. **Fundamentals of Speech Communication**
This course introduces the fundamentals of speech communication to the beginning student. Much of the content will deal with problems involved in delivering a formal address. Throughout the course speech-making is presented as a dynamic process shared by both speaker and listener and uniting both during the communication experience. Fall, spring. Credit, 3 semester hours.
- 05. **Contexts for Composition I**
Studies of thematically focused literature that engage students in writing about and discussing ideas and language important to an understanding of the contemporary world. Students who need intensive help are required to enroll in the English Education/Communications Center. Fall, spring. Credit, 3 semester hours.
- 06. **Contexts for Composition II**
Prerequisite: CMA 105 or transferred equivalent
A continuation of CMA 105, with special attention to research and presentation techniques. Fall, spring. Credit, 3 semester hours.
- 00. **English Proficiency**
Reading and discussion relating to clear writing; emphasis placed on writing themes. This course meets for as many weeks as the instructor requires for the individual student to meet his particular needs in writing. Course is open to all students on an elective basis and is required of those students who fail the English Proficiency Test. Those passing this course are excused from the English Proficiency Test. Fall, spring. Non-Credit.

EXPOSITORY AND CREATIVE WRITING

- 05. **Feature Writing**
The writing of articles in depth for newspapers and magazines. A

practical course that ranges widely in terms of possible prose writing experience. Fall of 1974-75 and alternate years. Credit, 3 semester hours.

309. Editorial Writing

The study and analysis of editorial writing in major newspapers with special emphasis on principles and practices. Students will actually write editorials for publication. Spring of 1974-75 and alternate years. Credit, 3 semester hours.

370. Advanced Composition/Technical Writing

Prerequisite: Junior or Senior Standing

An upper-division writing course designed to meet Communication needs and interests of students majoring in any of the three main divisions of the University: Humanities, Social and Behavioral Sciences, and Mathematics and Natural Science. Fall, each year. Credit, 3 semester hours.

376. Creative Writing I

Designed for serious study and practice of various literary forms. Fall, spring. Credit, 3 semester hours.

377. Creative Writing II

Prerequisite: CMA 376

Designed for serious study and practice of various literary forms beyond the level presented in CMA 376. Fall, spring. Credit, 3 semester hours.

426. Creative Writing Workshop

Prerequisite CMA 370 or 376 or permission of Department Head

This course will normally be taught by visiting writers and may be repeated for credit. Offered when circumstances warrant. Credit, 1-semester hours; maximum, six semester hours.

JOURNALISM AND MASS COMMUNICATIONS

210. Introduction to Mass Communications

An introduction to the cultural effects of radio, film, television, and print (books, magazines, and newspapers) and the forces that shape their form and content. Fall, spring. Credit, 3 semester hours.

215. Newswriting and Reporting I

Prerequisite: CMA 210

An introduction to print journalism with emphasis on the development of skills and techniques in effective newswriting. Fall of 1973-74 and alternate years. Credit, 3 semester hours.

216. Newswriting and Reporting II

Prerequisite: Newswriting and Reporting I or permission of instructor

Designed to familiarize the student with the total range of reporting possibilities. Each term a field of specialization will be chosen for emphasis. Also introduces copy reading and news editing. Spring of 1973-74 and alternate years. Credit, 3 semester hours.

305. Feature Writing (see under Expository and Creative Writing)

06. **News Editing and Typography**
Techniques of preparing copy for publication, the writing of newspaper headlines; and front and inside makeup (design). Fall of 1972-73 and alternate years. Credit, 3 semester hours.
09. **Editorial Writing (see under Expository and Creative Writing)**
11. **Law and Ethics of Journalism**
Prerequisite: CMA 210 recommended
Concepts of press freedoms and responsibility, libel, and potential conflict between the constitutional guarantees of fair trial and free press; study of judicial rulings in these areas. Spring of 1974-75 and alternate years. Credit, 3 semester hours.
75. **Studies in Film, Radio, and Television Communication**
Prerequisite: Communicative Arts 210
Advanced studies in the processes and effects of electronic media. Particular attention to the development of the media; the media's potential in mass communications; and the career opportunities possible in related fields. Spring. Credit, 3 semester hours.
90. **Community Journalism**
Prerequisite: CMA 215, 216
A pragmatic course designed to provide the student (in an internship arrangement) with actual practice in writing and editing for a newspaper, radio station, or television station in the area. Ordinarily offered during the summer. Credit, 3 semester hours.

LINGUISTICS AND GRAMMAR

71. **Introduction to Linguistics**
An introductory study of the principles of language, including the nature of language and its systematic description and analysis. Particular attention will be given to the levels of usage and the social and regional dialects of American English. Fall, spring. Credit, 3 semester hours.
17. **American English**
Prerequisite: English 271 or permission of Department Head
A study of the development of American English as illustrated in literary texts and documents; including a comprehensive examination of contemporary dialect geography, social dialects, and semantics. Spring of 1973-1974 and alternate years. Credit, 3 semester hours.
18. **Language Acquisition of Children**
Prerequisites: 271 and/or Education 102
Basic understanding of how a young child acquires his language; methods and procedures for promoting and measuring language development. Fall. Credit, 3 semester hours.
1. **Modern English Grammar**
Prerequisite: CMA 271 for English Education Majors
A study of modern and traditional English grammar, including structural linguistics and transformational grammar. Fall, spring. Credit, 3 semester hours.

381. **Language and Society**
Prerequisite: English 271 or permission of Department Head
An introduction to the socio-linguistic consequences of language. The effect of language on society and society on language. Spring. Credit, 3 semester hours.
393. **History of the English Language**
Prerequisite: Communicative Arts 271 or 371
An historical study of the development of the English language from its Indo-European ancestry to the twentieth century, with emphasis on the many influences affecting its phonology, morphology, syntax and orthography. Fall of 1973-74 and alternate years. Credit, 3 semester hours.
416. **Historical and Comparative Linguistics**
Prerequisites: CMA 271; 317 or 393 recommended
The study of linguistic reconstruction and the investigation of dead languages. The history of philology. Major emphasis in the area of Indo-European languages. Will also include a section on the history of writing and alphabetic systems. Fall of 1973-74 and alternate years. Credit, 3 semester hours.

LITERATURE

205. **World Literature I**
A study primarily of Western literature, emphasizing the contributions of its greater writers to both the representative culture and the subsequent tradition, through the Renaissance. Fall, spring. Credit, 3 semester hours.
206. **World Literature II**
A study of the greatest works and authors of primarily Western literature from the seventeenth to the present century. Fall, spring. Credit, 3 semester hours.
229. **English Literature I**
An examination of the literature of England from the later eighteenth century to the twentieth century. Fall, spring. Credit, 3 semester hours.
230. **English Literature II**
An examination of the literature of England from the later eighteenth century to the twentieth century. Fall, spring. Credit, 3 semester hours.
231. **American Literature I**
A critical and historical survey of earlier American Literature. Fall, spring. Credit, 3 semester hours.
232. **American Literature II**
A critical and historical survey of later American Literature. Fall, spring. Credit, 3 semester hours.
302. **Literary Analysis and Interpretation**
Prerequisites: Six hours of literature
An introductory study of critical approaches to literature with practice in analyzing and interpreting representative works both in the Anglo-American tradition and in English translation. Fall. Credit, 3 semester hours.

320. **Native American Literature (American Indian Studies 320)**
An introduction to Native American literature. Texts written, collected or edited by Native Americans will be used whenever possible. An introduction to the systems of thought of the Native American cultures will be part of the course. It is recommended that the student take History of the American Indian prior to or in conjunction with this course. Spring. Credit, 3 semester hours.
342. **The English Novel**
Prerequisite: CMA 229 or 230 recommended
A critical study of the English novel from the eighteenth century to the twentieth (from Richardson through Conrad and James), with considerable attention to social history and the novel's formal structure, as experienced in the reading of a number of representative novels. Spring of 1973-74 and alternate years. Credit, 3 semester hours.
343. **The American Novel**
Prerequisite: CMA 231 or 232 recommended
A critical study of the American novel and a reading of selected novels from Fenimore Cooper to the present, with emphases on the formal development of the novel and its reflection of various American social and cultural contexts. Fall of 1974-75 and alternate years. Credit, 3 semester hours.
351. **Shakespeare**
Prerequisite: CMA 229 recommended
An introduction to the Elizabethan theatre and a critical study of Shakespeare's earlier plays—histories, comedies and tragedies—including *Hamlet*. Fall. Credit, 3 semester hours.
352. **Shakespeare**
Prerequisite: CMA 229 recommended
A study of Shakespeare's theatrical career and a critical study of his later plays, beginning with *King Lear*, continuing with Roman and problem plays, and concluding with the last romances. Spring. Credit, 3 semester hours.
354. **Modern Drama**
A study of selections from the drama of the western world of the nineteenth and twentieth centuries. Spring of 1973-74 and alternate years. Credit, 3 semester hours.
366. **Modern British and American Poetry**
A study of British and American poetry from Whitman, Dickenson, and Hardy to Sylvia Plath in the early 1960's with emphasis on the major poets of the twentieth century. Spring of 1974-75 and alternate years. Credit, 3 semester hours.
373. **Contemporary World Fiction**
Prerequisite: CMA 206 recommended
A survey of the short story, short novel, and novel in Western Literature of the twentieth century. Fall of 1973-74 and alternate years. Credit, 3 semester hours.
- 375a. **Seminar in Literary Figure(s)**
Prerequisites: Restricted to upper-division majors

Intensive study of major literary figure or figures, with emphasis on class consideration of selected topics or problems. May be repeated with different figures (s) for a maximum six hours credit with written permission of advisor and Department Head. Each semester if interest warrants. Credit, 3 semester hours.

425b. Seminar in Literary Figure(s)

An alternate to 425a. Credit, 3 semester hours.

435a. Seminar in a Literary Period

Prerequisites: Restricted to upper-division majors

Sustained study of a significant literary period, with emphasis on class consideration of selected topics or problems. May be repeated with a different period for a maximum of six hours credit with written permission of advisor and Department Head. Each semester if interest warrants. Credit, 3 semester hours.

435b. Seminar in a Literary Period

An alternate to 435a. Credit, 3 semester hours.

440. Studies in Criticism

Prerequisites: 6 hours of survey courses and CMA 302; or permission of Department Head.

An introduction to the principles of criticism and the development of critical theories, emphasizing the pragmatic application of critical and interpretive tools. Topics may vary from year to year. Spring of 1973-74 and alternate years. Credit, 3 semester hours.

450. Seminar in American Literature (American Indian Studies 450)

Prerequisite: CMA 231, 232, or permission of Department Head

A thematic study of aspects of nineteenth and/or twentieth century American literature. Opportunities for concentrated reading and critical responses to material. Specific thematic approach and readings to be announced prior to term in which course is being offered. Normally taught in spring term or in special short terms and may be repeated for a maximum of six hours credit with permission of Instructor and the Department Head. Fall of 1973-74 and alternate years. Credit, 3 semester hours.

SPEECH AND SPEECH CORRECTION

225. Argument and Debate I

The essentials of argumentation; use of reasoning and evidence; definitions, analysis, case construction and refutation; application of various forms of speech making. Fall. Credit, 3 semester hours.

300. Oral Interpretation

Techniques of interpretative reading as means of understanding and communicating to an audience a work of literary art in its intellectual, emotional, and aesthetic entirety. Fall, spring. Credit, 3 semester hours.

304. Advanced Oral Interpretation

Prerequisite: CMA 300

An advanced course offering experience in the oral interpretations of all forms of literature with emphasis on selecting, cutting and oral

interpretation of material for performance. Fall, spring. Credit, 3 semester hours.

307. **Auditory and Vocal Aspects of Communication**

An introductory course in speech and hearing. A study of normal and deviant functioning of vocal and auditory mechanisms. Provides the student with knowledge of diagnostic, surgical, and educational practices which are utilized when functional or organic disturbances limit normal speech production. Spring. Credit, 3 semester hours.

315. **Voice and Diction**

A study of the principles of voice production; consideration to the elimination of harshness, fatigue, faulty articulation; detailed study of the International Phonetic Alphabet. Fall. Credit, 3 semester hours.

321. **Advanced Public Speaking**

Special attention given to classical theory through the analysis, presentation and preparation of selected speeches. Spring. Credit, 3 semester hours.

25. **Argument and Debate II**

Prerequisite: CMA 225

Participation in debate tournament competition. Fall, spring. Credit, 3 semester hours.

57. **Discussion Techniques**

An exploration of various discussion techniques with an emphasis on small group discussion. Parliamentary procedure will be studied as a means of formalizing discussion. Spring. Credit, 3 semester hours.

HEATRE

01. **Elementary Acting**

Theory and practice of the fundamentals of acting including basic study in analyzing and building a character; introduction to styles of acting. Fall, spring. Credit, 3 semester hours.

50. **Introduction to the Theatre**

Introduction to both the practice and literature of the theatre; survey of the artists of the theatre and dramatic literature from Greece to the Present. Fall, spring. Credit, 3 semester hours.

01. **Advanced Acting**

Prerequisite: CMA 201

Advanced work in theory and practice of acting; advanced work in analyzing and building a character; styles of acting. Spring. Credit, 3 semester hours.

0. **Play Production**

Theoretical and practical experience in costuming, lighting and staging plays. Fall. Credit, 3 semester hours.

1. **Play Direction**

Study of the theory and practice of directing for the theatre; classroom theory supported by individual experience in selection and analysis of scripts, casting, rehearsal and production. Spring. Credit, 3 semester hours.

360. History of the Theatre: The Beginnings to 1642.
Prerequisite: CMA 250 or consent of Department Head
Study of the theatre, both its physical form and its literature, from the earliest beginnings to 1642. Fall. Credit, 3 semester hours.
361. History of the Theatre: 1660 to the Present.
Prerequisite: CMA 360 or consent of Department Head
Study of the theatre, both its physical form and its literature, from 1660 to the present. Spring. Credit, 3 semester hours.

INDEPENDENT STUDY

499. Independent Study
Independent study is offered to senior Communicative Arts majors in good academic standing following approval of the Department Head. A proposal for the study is submitted to the Department Head and to the Office for Academic Affairs; one copy of the completed project is filed in the Office for Academic Affairs; another is catalogued in Mary Livermore Library. Fall, spring. Credit, 1-3 semester hours.

II. ENGLISH AND SPEECH EDUCATION

The English and Speech Education programs are planned to help prospective teachers develop a personal philosophy of teaching; to become effective teachers of writing, reading, speaking, listening, to see the futility of teaching in isolation; to recognize that teachers need to be creative, original, inspiring, willing, positive, untiring, and resilient. The Department also attempts to provide inservice teachers opportunity for updating of their preparation through an annual English Education Conference and summer or academic year workshops.

Seven courses required for certification constitute the core of the program: 310, 382, 383, and 394 (for Elementary and Intermediate Certification); 372, 374, 384 (for secondary English certification). Up to four semester hours of experiential-learning credit may be earned in EED 399: Practicum in Laboratory Experiences.

310. Speech Education
Opportunity for teachers to acquire standards for recognizing speech problems and improving speech habits of students. Fall, spring. Credit, 3 semester hours.
372. English Language for Adolescents
Prerequisite: CMA 271; 371 recommended
Studies in the theories, strategies, and materials of language and language teaching on the junior and senior high school levels, with emphasis on the latter. Includes a section on the history of English. Fall. Credit, 3 semester hours.
374. English Composition for Adolescents
Studies in the theories, strategies, and materials of composition and composition teaching on the junior and senior high school levels, with emphasis on the latter. Spring. Credit, 3 semester hours.

382. **Children's Literature (Early Childhood)**
Studies of literature which will develop within the child an interest upon which his teachers in higher grades can build. Attention to materials and methods which will be successful in the primary classroom. Fall, spring. Credit, 3 semester hours.
383. **Children's Literature (Intermediate Grades)**
English 383 reviews the leading genres in literature for students within the intermediate level, 4-9, and suggests to prospective teachers specific correlations with the total curriculum as it stresses literature for enrichment. Materials and methods included. Fall, spring. Credit, 3 semester hours.
384. **Literature for Adolescents**
A survey of literature for adolescents, grades 10-12, emphasizing the development of standards for selecting such materials for school and home, with attention given to the methods of teaching this literature. Required for English Education majors; may be elected by any CMA major. Fall. Credit, 3 semester hours.
394. **Speech and Drama for Children**
For students in elementary education. Methods of teaching creative language arts. Presentation of stories, poetry, oral reading, and creative dramatics. Fall, spring. Credit, 3 semester hours.
99. **Practicum in Laboratory Experiences**
Prerequisite: Permission of the EE/CC Director
A practicum involving tutorial service in the English Education/Communications Center and/or area public schools. Each semester. Credit, 1-2 semester hours. Maximum: 4 semester hours.

ECONOMICS

Head: VICTOR WOLF

ARLOS J. EMANUEL

The objective of the Department of Economics is to provide fundamental training in economic theory supplemented by knowledge of quantitative tools and understanding of modern economic institutions and policy problems.

In conjunction with other parts of the University the Department offers a program leading to the Bachelor of Arts degree.

Requirements For A Bachelor Of Arts Degree In Economics

	Sem. Hrs.
Basic Studies Requirements (pp. 47)	45
Major Requirements	
Economics 201, 202, 301, 330, 401, 408, and fifteen additional semester hours of economics from the 300 level and above	

Mathematics 107, and 108 or equivalent, and Mathematics 221	36-42
Electives	39-33
Total	120

Requirements For A Bachelor Of Arts Degree In Economics With Certification By The State To Teach Social Studies At The Secondary Level

Basic Studies Requirements (pp. 47)	Sem. Hrs. 45
Major Requirements	
Economics 201, 202, 301, 330, 401, 408, and fifteen additional semester hours of economics from the 300-level and above	
Nine semester hours from the areas of Geography, History, Political Science, and Sociology	
Mathematics 107 and 108 or equivalent, and Mathematics 221	46-52
Professional Education Requirements	
Education 227, 400, 445, 448; Ed. Psy. 202, 308	21
Electives	8- 2
Total	120

COURSES

201. Principles of Economics I

This course provides an overall picture of the operation of our economy. The following topics are emphasized: Introduction to American capitalism, national income, level of employment, fiscal policy, monetary policy, and economic growth. Fall or spring. Credit, 3 semester hours.

202. Principles of Economics II

Prerequisite: Economics 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. Credit, 3 semester hours.

206. Economic Geography (Geography 206)

The same course as Geography 306. Spring. Credit, 3 semester hours

301. Intermediate Micro-economic Theory

Prerequisites: Economics 201, 202

Price determination and income distribution in a market economy. Fall
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. Credit, 3 semester hours.

310. Statistics (Business Administration 310)

Same as Business Administration 310.

320. Quantitative Methods

Prerequisite: Math 107

Introduction to mathematical methods in economics and business. Substantive topics include general equilibrium analysis, input-output models, mathematical control theory and macro-dynamic models. Spring. 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. 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. Credit, 3 semester hours.

41. Economic History of the United States (History 408)

Prerequisites: History 107, 108

The same course as History 408. Fall. 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. 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. 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. Credit, 3 semester hours.

408. Introduction to Econometrics

Prerequisites: Economics 301, 401, and Math 107

An introduction to the measurement, specification, estimation and interpretation of functional relationships with regard to demand, cost, pro-

duction, consumption and investment. Fall or spring. Credit, 3 semester hours.

411. Development of Economic Thought

Prerequisites: Economics 201, 202, 301, 401

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

EDUCATION

Head; L. L. MURRAY

JAMES G. BLOODSWORTH

RHODA P. COLLINS

WILLIAM H. DEAN

BILLY FAYE EVANS

JOHN A. GIBSON

CHARLES R. JENKINS

WILTON G. JOYNER

JESSE M. LAMM

RUTH H. NIXON

GERALD L. PARKE

JOHN T. RUSSELL

JANIE B. SILVER

CALVINIA SWITZER

The primary function of the Department of Education is to provide professional preparation for individuals who are 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 process, 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 University for the academic subject matter necessary for breadth and depth of background in the liberal arts and in the sciences, both of which are essential to effective teaching. The professional program is designed to meet the criteria for teacher certification as set forth by the North Carolina Department of Public Instruction, the criteria for accreditation by the National Council for the Accreditation of Teacher Education (NCATE), and the criteria implied in the philosophy of the University.

Each student has the responsibility for consulting with his major adviser and the Education Department in order to keep abreast of all regulations and information concerning his academic

record for graduation and/or certification. All prospective teachers should study the requirements of the state in which they plan to teach, as well as the requirements of the University, keeping in mind that graduation and certification programs are not necessarily the same even though it is possible to achieve both in a planned program.

ADMISSION TO THE TEACHER EDUCATION PROGRAM

The Teacher Education Committee selectively admits and continues students in the Teacher Education Program on the basis of scholastic aptitude, personality, and suitability for teaching.

According to the criteria established by the Teacher Education Committee, a student who wishes to enroll in the program must, prior to enrollment in the beginning courses: (1) apply to the Teacher Education Committee for admission, (2) have successfully completed two semesters of college work; (3) have an overall cumulative quality point average of 2.0 or better on a 4.0 scale, (4) present a statement of eligibility signed by the Registrar; (5) present an endorsement and recommendation for admission from his major department head; and (6) present a statement of health and character fitness from the Dean of Student Affairs. To be continued in the program the student must earn a grade of "C" or better in the beginning course (Ed. 227 or Ed. 201). The student who does not meet this criterion for continuing in the program is notified by the Chairman of the Teacher Education Committee.

Successful completion of the Teacher Education Program requires that the student earn a grade of "C" or better in all required professional courses.

Program participants are expected to maintain good scholastic standing throughout the entire program. Those who become ineligible for continuation in the program are, where possible, advised into other areas.

ADMISSION TO THE PROFESSIONAL SEMESTER

The professional semester occurs in the senior year and is devoted entirely to study in professional education and to student teaching. No student accepted for enrollment in the professional semester is permitted to register for any course other than those specified as professional education courses.

The application for enrollment in the professional semester must be filed with the Director of Student Teaching not later than the first day of March prior to the academic year in which the student will be enrolled in the professional semester.

To be eligible for consideration by the Teacher Education Com-

mittee and approved for enrollment in the professional semester, each candidate for a teaching certificate must: (1) have completed all required basic studies courses, (2) be within not more than one summer of graduation upon completion of the professional semester (3) not lack more than six semester hours of completing the requirements in his major field of study, (4) have an overall cumulative quality point average of 2.0 or better, (5) have a quality point average of 2.3 or better in his major field, (6) present a certificate of eligibility verified by the Registrar, and (7) present a final recommendation as to character, suitability, and aptitude for teaching from his major department head, and (8) a statement of physical fitness from a licensed physician.

Conditions involving special handicaps which might affect the student teaching experience must be approved by the Director of Student Teaching.

TEACHER CERTIFICATION

The North Carolina State Department of Public Instruction issues the professional Class A teacher's certification to graduates of Pembroke State University who have completed an Approved Program, including the specified courses in their teaching field(s) and the prescribed courses in Education, and who are recommended for certification by their major department head and the Head of the Department of Education.

THE NATIONAL TEACHER EXAMINATION

All persons qualifying for a teaching certificate in North Carolina must take the Common and Teaching Area sections of the National Teacher Examinations. The prospective teacher takes the examination during the semester in which he does student teaching. Information and application forms may be obtained from the Director of the Guidance and Testing Center.

THE CURRICULUM LABORATORY

The Curriculum Laboratory or materials center is a unit within the Department of Education organized to provide learning aids for students, teaching aids for teachers, coordination of curriculum services, and functional and technical services for student teachers. It is an essential part of the teacher education facility which contains professional and instructional materials and which provides support to all areas of the teacher education program. The Laboratory, has, for example, textbooks used in elementary and secondary schools, teaching units, courses of study, instructional media and equipment, curriculum outlines, and supplies

and materials for production and preparation of teaching materials.

THE READING CENTER

Pembroke State University maintains a center for the improvement of reading and for instruction in how to study, how to improve reading comprehension, how to increase vocabulary, and how to increase reading rate. Facilities and equipment are provided for diagnosing reading difficulties and for achieving peak skills in reading efficiency and comprehension. Services of the center are available to any Pembroke State University student who wishes to improve his reading ability.

The Center consists of lecture rooms for general classes and a number of smaller multi-purpose rooms containing individual study carrels, individual instructional materials, and special listening stations. Facilities are available for individualized testing and instruction, and are utilized by student and faculty members from all academic departments of the University.

SECONDARY EDUCATION

Curriculum check-sheets, available from advisers and Chairmen of the academic departments, outline specialized programs of study for majors who are preparing to teach at the secondary level.

Secondary 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 secondary teaching certificate are as follows:

- I. The Basic Studies Program
- II. Major departmental requirements for the B.S. or B.A. degree.
- III. Professional Requirements for the secondary teaching certificates: 21 semester hours consisting of Education 227, 400, 445, 448, and Educational Psychology 202 and 308.

ELEMENTARY EDUCATION

The Department of Education offers programs leading to the Bachelor of Science degree in Elementary Education, with North Carolina Teacher certification in Early Childhood Education (K-3) and in Intermediate Grades Education (4-9). Curriculum check-sheets outlining course recommendations for meeting programs of study are available from departmental advisers and the office of the Chairman of the Department of Education.

Requirements For A Bachelor Of Science Degree In Elementary Education With Teacher Certification In Early Childhood Education (k-3)

	Sem. Hrs
Basic Studies Requirements (pp. 47)	45
Major Requirements (K-3)	
Education 102, 301, 410; Art 225; Health 310; Phys. Ed. 310; Music 224; EED 310, 382, 404; CMA 371;	33
Professional Education Requirements	
Education 201, 442, 446, 474; Ed. Psy. 202, 303	24
Electives	18
Total	120

Requirements For A Bachelor Of Science Degree In Elementary Education With Teacher Certification In Intermediate Grades Education (4-9)

	Sem. Hrs
Basic Studies Requirements (pp. 47)	45
Major Requirements (4-9)	
Education 102, 413; CMA 371; EED 310, 383, 404; Health 311; Math 102; Music 315; Phys. Ed. 316; two subject matter areas of concentration*; and sufficient electives to total 51 semester hours.	51
Professional Education Requirements	
Education 227, 443, 447, 475; Ed. Psy. 202, 307	24
Total	120

* Approved Areas of Concentration for Intermediate Grades (4-9) Teacher Certificates are as follows: Social Studies, 24 hrs.; Science, 18 hrs.; Mathematics, 18 hrs.; Art, 18 hrs.; Music, 18 hrs.; Health and Physical Education, 18 hrs.; Special Education, 18 hrs.; Speech and Drama, 18 hrs.; Foreign Languages, 18 hrs.; Library Science, 18 hrs.; Language Arts, 24 hrs. A student, who chooses Intermediate Grades Education (4-9) as his major, completes two subject-matter areas of concentration. See check-sheet in the Department of Education.

COURSES

EDUCATION

100. Reading Laboratory

A laboratory course designed to help (1) freshmen who are deficient in reading and study skills and (2) others referred by the several academic departments of the University. Fall, spring and summer. One class and one laboratory period weekly. No credit.

101. Developmental Reading

A course designed to improve a student's vocabulary, reading rate, and comprehension skills. Open to all students. Fall, spring. Credit, 3 semester hours.

102. **Developmental Language Arts**
A study of selected techniques for helping prospective elementary teachers improve their power in the use of language arts skills. Fall, spring, summer. Credit, 3 semester hours.
201. **Foundations of Early Childhood Education**
This course is a study of historical, philosophical, and sociological foundations of education in America as they relate to education of the child from kindergarten through grade three. A beginning screening course required of all K-3 majors. Fall, spring, and summer. Credit, 3 semester hours.
226. **Practicum—Mentally Retarded Children**
An introductory course combining theory and first-hand educative experiences with retarded children. Fall or spring. Credit, 3 semester hours.
27. **Foundations of Education I**
Philosophical, historical, and sociological foundations of Education, including analysis of contemporary issues and problems. It is the beginning screening course for those seeking teacher certification at the intermediate (4-9) and secondary levels. Fall, spring, and summer. Credit, 3 semester hours.
301. **Early Childhood Curriculum (Required of K-3 majors)**
Prerequisite: Education 201
A study of curriculum as content and method. Fall, spring, and summer. Credit, 3 semester hours.
302. **Introduction of Exceptional Children**
Introduction to the principles, problems and characteristics of children who are exceptional because of being gifted, blind or partially sighted, deaf, mentally ill, mentally retarded, physically handicapped, or socially handicapped. Fall, spring, or summer. Credit, 3 semester hours.
303. **Introduction to the Study of Mental Retardation**
Study of mental retardation as an educational, psychological and social problem; includes characteristics, identification, prevalence, and educational provisions for. Fall, spring, or summer. Credit, 3 semester hours.
300. **Methods of Teaching in the Secondary School**
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) foreign language, (f) business education, (g) home economics. Note: Methods courses for art, music, and physical education are taught in those departments. Fall, spring, and summer. Accelerated. Credit, 3 semester hours.
310. **Teaching Reading—Early Childhood**
A study of reading as a growth process and as a developmental task; to include the current trends, materials, and approaches for meeting individual needs in grades K-3. (To be taken the semester preceding student teaching.) Fall, spring, and summer. Credit, 3 semester hours.
313. **Teaching Reading—Intermediate Grades**
A study of current trends, materials, and practices for the teaching of

reading in grades 4-9. (To be taken the semester preceding student teaching.) Fall, spring, and summer. 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. Spring or summer. Credit, 3 semester hours.

417. Tests and Measurements in Special Education

Theory and practice of classroom testing of exceptional children, including techniques for test construction with emphasis on student evaluation. Fall, spring, or summer. Credit, 3 semester hours.

418. Measurement and Evaluation in Public Schools

A study of current educational measurement. Includes the use and construction of standardized mental and achievement tests, and of informal, teacher-made tests. Fall or spring. Credit, 3 semester hours.

419. Teaching Reading in the Secondary School

Methods and materials for teaching the basic reading skills and the specific reading skills required to read in the several content areas. Required of all English Education majors and recommended for all other high school teacher candidates. Fall. Credit, 3 semester hours.

420. Workshop in the Teaching of Reading

Prerequisite: Education 413 or its equivalent

A study of current reading problems, materials, methods, and audio-visual aids designed to give the classroom teacher practical experience in the teaching of reading. Summer. Credit, 3 semester hours.

423. Research in Elementary Education

An introduction to research designed to allow student investigation and report of an approved problem in elementary education under the guidance of the instructor. Fall, spring, and summer. Credit, 1 to 3 semester hours.

424. Modern Trends in the Teaching of Reading

Building reading programs at all levels based on a comprehensive study of current research in the area of reading instruction. Summer. Credit, 3 semester hours.

425. Classroom Diagnosis of Reading Difficulties

Methods and materials for the classroom teacher to use in the diagnosis and remediation of reading difficulties. Summer. Credit, 3 semester hours.

426 A & B. Workshops in Early Childhood Education

To provide teachers and advanced students practical training and experience in aspects of early childhood education. 426 A—present academic learning with emphasis on individualization of instruction. 426 B—deals with creative and artistic activities. Alternate Summer. Credit, 3 semester hours each.

433. Research in Secondary Education

An introduction to research designed to allow student investigation and report of an approved problem in secondary education under the

guidance of the instructor. Fall, spring, and summer. Credit, 1 to 6 semester hours.

434. Problems in Contemporary Education

Individual study of trends and practices, instructional and resource materials, methods and techniques in Education. Fall, spring, and summer. Credit, 1 to 3 semester hours.

442. Foundations of Education II (K-3)

This course provides an understanding of the purpose, organization, and administration of schools, with special emphasis on the role of the early childhood teacher in the classroom, the school, the school system, and education. Fall, spring, and summer. Accelerated. Credit, 3 semester hours.

443. Foundations of Education II (4-9)

This course provides an understanding of the purpose, organization, and administration of schools, with special emphasis on the role of the intermediate teacher in the classroom, the school, the school system, and education. Fall, spring, and summer. Accelerated. Credit, 3 semester hours.

444. Foundations of Education II (Special Education)

Provides an understanding of the purpose, organization and administration of schools, with special emphasis on the role of the teacher in the classroom, the school, the school system, and education. Fall, spring, and summer. Accelerated. Credit, 3 semester hours.

445. Foundations of Education II (Secondary)

This course provides an understanding of the purpose, organization, and administration of schools, with special emphasis on the role of the secondary teacher in the classroom, the school, the school system, and education. Fall, spring, and summer. Accelerated. Credit, 3 semester hours.

446. Student Teaching in the Elementary School (K-3)

Provides continuous full-time student teaching experience in an off-campus school at the early childhood level. 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. Registration for student teaching permitted only when it is to be performed in conjunction with the professional semester, all of which must be completed at the University. (See pages 90, 91 for eligibility criteria.) Graded "Pass-Fail". Fall and spring. Credit, 6 semester hours.

447. Student Teaching in the Elementary School (4-9)

Provides continuous full-time student teaching experiences in an off-campus school at the intermediate level. 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. Registration for student teaching permitted only when it is to be performed in conjunction with the professional semester, all of which must be completed at the University. (See pages 90, 91 for eligibility criteria.) Graded "Pass-Fail". Fall and spring. Credit, 6 semester hours.

448. **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 with the wide range and varied relationships of the teacher's work. Registration for student teaching permitted only when it is to be performed in conjunction with the professional semester, all of which must be completed at this University. Candidates may not complete registration for the professional semester until all criteria specified by the Department of Education have been met. (See pages 90, 91 for eligibility of criteria.) Graded "Pass-Fail". Fall and spring. Credit, 6 semester hours.
449. **Student Teaching in Special Education—The Mentally Retarded**
Supervised observation, participation and teaching in special classes for the mentally retarded in the public school. (See pages 90, 91 for eligibility criteria.) Graded "Pass-Fail". Fall and spring. Credit, 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. Emphasis is placed on experiments and demonstrations involving pupil participation. Summer. Credit, 3 semester hours.
460. **Audio-Visual Materials and Procedures**
Principles underlying the selection and use of multi-media materials for instructional purposes in public school teaching, business, and social services. Fall, spring, and summer. Credit 3 semester hours.
462. **Teaching the Slow Learner**
Study of the performance characteristics of the slow-learning child and teaching techniques used in meeting their needs. Fall, spring, or summer. Credit, 3 semester hours.
463. **Workshop in Teaching Modern Arithmetic in the Elementary School**
Designed to assist elementary teachers in the preparation and planning of an effective contemporary mathematics program for grade levels K-3 and 4-9. Summer. Credit, 3 semester hours.
464. **Teaching the Gifted**
Study of the needs and characteristics of gifted children, and appropriate programs, materials and methods used in meeting their needs. Fall, spring, or summer. Credit, 3 semester hours.
465. **Techniques of Team Teaching**
Techniques of team teaching as related to the ever expanding comprehensive school improvement program; special emphasis placed on pupil grouping, pupil readiness, and pupil achievement: evaluation; flexibility of materials and techniques of presentation aimed at an individualized instructional program. Summer. Credit, 3 semester hours.
473. **Techniques, Materials and Resources in Special Education**
Study of the problems, methods, and materials in teaching special education with primary emphasis on the mentally retarded. Fall, spring or summer. Credit, 6 semester hours.

474. **Techniques, Materials and Resources in Early Childhood Education (K-3)**
An in-depth study of selected curriculum areas in Early Childhood education. It covers materials and resources for language arts, social studies, political science, natural science, and mathematics as they relate to kindergarten and the first three grades. Fall, spring, and summer. Accelerated. Credit, 6 semester hours.
475. **Techniques, Materials and Resources in Intermediate Grades Education (4-9)**
This course stresses the broad concepts of methods, materials, and resources in the curriculum areas of mathematics, the language arts, social studies, and science as they relate to the child and his curriculum. Fall, spring, and summer. Accelerated. Credit, 6 semester hours.
479. **Practicum in Corrective Reading**
Prerequisite: Education 425 and/or permission by the Chairman of the Department.
Designed to give in-service or pre-service teachers supervised practicum in the diagnosis and correction of reading disabilities. Fall, spring, or summer. Credit, 3 semester hours.
80. **Seminar in Reading Instruction**
Prerequisite: Permission by the Head of the Department
Provides the student an opportunity to experiment and/or to conduct an in-depth study of selected problems or projects in the teaching of reading. Fall, spring, or summer. Credit, 3 semester hours.
81. **Teaching Disadvantaged Children**
Study of the characteristics, problems, and needs of culturally deprived children, and appropriate teaching strategies. Fall, spring, or summer. Credit, 3 semester hours.
82. **Learning Disabilities of Children**
Definition, description, and educational remediation of childhood learning disabilities. Fall, spring, or summer. Credit, 3 semester hours.

EDUCATIONAL PSYCHOLOGY

02. **Educational Psychology**
Prerequisite: Ed. 227 or Ed. 201
Theoretical and empirical findings of psychology related to the teaching-learning process in the classroom. Fall, spring, and summer. Credit, 3 semester hours.
03. **Psychology of Early Childhood**
Empirical findings concerning early childhood growth and development and their relevance to Early Childhood Education (K-3). Fall, spring, and summer. Credit, 3 semester hours.
07. **Human Growth and Development**
Growth and development from conception to adulthood with focus on pre-adolescence (ages 9-13) for Intermediate Childhood (4-9) majors. Fall and summer. Credit, 3 semester hours.
08. **Psychology of Adolescence**
Empirical findings and theories of adolescence relevant to the behavior

and learning of adolescents. Fall, spring, and summer. Credit, 3 semester hours.

314. Behavior Modification in the Classroom

Practical application of learning theory, especially operant conditioning; techniques for facilitating learning and alleviating behavioral problems. Fall, spring, or summer. Credit, 3 semester hours.

LIBRARY SCIENCE

The purposes of the Library Science Program at Pembroke State University are to provide initial professional education for the school librarian or media specialist; to provide a basis for continuing education in the field; and provide opportunities for post-graduate or ancillary education in the field. Instruction is designed to promote the media approach in all phases of the program. The following categories indicate the qualification and admission requirements for those interested in the study of library science.

- A. For prospective teachers enrolled in an approved teacher certification program at Pembroke State University. Admission Requirements: (1) Completion of 40 semester hours of college work; (2) Acceptance into a teacher certification program.
- B. For persons seeking education in Library Science but not a degree or certification (teacher aides, public library employee, etc.). Admission Requirement: All courses in Library Science are offered as general electives subject to approval by the Department Head and instructor.

300. Libraries and Librarianship

A study of the library in society which considers historical development, patterns of the library service, relationship of libraries to other agencies, standards for library service, and librarianship as a profession.

310. Administration of School Library.

A study of principles and practices or organizations and administration of media programs that effectively contribute to the realization of educational objects. Included will be a study of the budget records and reports, stopping patterns, facilities and equipment, and effect programs for maximum utilization of media.

320. Organization of Media Centers.

A study of the techniques of classification and cataloging of all types of materials for the media center. Included will be a study of classification and other organizational schemes for media, types of cataloging and catalog maintenance, and commercial and centralized processing

410. Selection of Materials for the School Materials Center.

A study of principles of selection, sources for selection, criteria for selection, purchasing of materials, the production of materials, and

the acquisition and maintenance of professional collections for teachers and administrators.

420. Selection of Media for Children

A survey of materials appropriate for children in grades K-9. Included will be opportunities to examine and evaluate all types of media to meet the needs of this age group.

421. Selection of Media for Young People

A survey of materials appropriate for young people. Included will be opportunities to examine and evaluate all types of media to meet all needs of this age group.

423. Basic Reference Sources and Methods

A study of the materials center as a source of information with emphasis on the evaluation and use of general reference works and materials in specific subject areas.

440. The Instructional Materials Center Program

An in-depth study of the IMC and its program. Included will be a study of teaching methods, using media; study and research skills; guidance in reading, viewing, and listening; and evaluation of the total library program.

445. Service in the Instructional Materials Center

A laboratory experience for students to provide opportunities to observe and work in area instructional materials centers.

FOREIGN LANGUAGES

Head: THOMAS LOTT

LINDA DEESE (Laboratory Supervisor)

JOSEF LORENZ MANDEL

REBA MILLSAPS LOWRY

RUDY DE'WAYNE WILLIAMS

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 of another nation; to enable the student to broaden his academic horizon as an undergraduate and acquire a necessary tool for possible graduate study.

Majors are offered in Spanish and French. Several areas of concentration leading to a specialty in French, German, or Spanish are available. Interested students may obtain information about specialty concentrations from the Department Head.

A student presenting two or more 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 course for which he is qualified.

Requirements For A Bachelor Of Arts Degree In French:

	Sem. Hrs.
Basic Studies Requirement (See page 47)	45
Major Requirements:	
30 semester hours above the elementary level including: French 231-232 or equivalent; 321 or 322; 355; plus 18 additional hours of French electives.	30
Electives	45
Total	120

Requirements For A Bachelor Of Arts Degree In French With Certification By The State For Teaching French At The Secondary Level:

	Sem. Hrs.
Basic Studies Requirements (See page 47)	45
Major Requirements:	
30 semester hours above the elementary level including: French 231-232 or equivalent; 321, 322; 331; 355; 261 or 361; plus 9 additional hours of French electives.	30
Professional Education Requirements:	
Education 227, 400, 445, 448; Educational Psychology 227, 308.	21
Electives	24
Total	120

Requirements For A Bachelor Of Arts Degree In Spanish:

	Sem. Hrs.
Basic Studies Requirement (See page 47)	45
Major Requirements:	
30 semester hours above the elementary level including: Spanish 231-232 or equivalent; 321 or 322; 335 or 355; 261 or 361 or 362; plus 15 additional hours of Spanish electives.	30
Electives	45
Total	120

Requirements For A Bachelor Of Arts Degree In Spanish With Certification By The State For Teaching Spanish At The Secondary Level:

	Sem. Hrs.
Basic Studies Requirement (See page 47)	45
Major Requirements:	
30 semester hours above the elementary level including: Spanish 231-232 or equivalent; 321, 322; 331; 335; 355; 261 or 361 or 362; plus 6 additional hours of Spanish electives.	30
Professional Education Requirements:	
Education 227, 400, 445, 448; Educational Psychology 227, 308.	21
Electives	24
Total	120

NOTE: One literature in translation course or culture course taught by this department in English may apply toward a foreign language major.

COURSES

FRENCH

131, 132. Elementary French

Introduction to understanding, speaking, reading, and writing French. Audio-lingual techniques, phonetics, pronunciation, dictation, conversation, fundamentals of grammar, easy literary reading, simple compositions, civilization, geography, songs, realia, and audio-visualized instruction. For beginners. Fall, spring. Credit, 6 semester hours.

231, 232. Intermediate French

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

Grammar review; translation and composition; oral practice through drill and discussion. An introduction to French civilization and literature. Fall, spring. Credit, 6 semester hours.

250. Masterpieces of French Literature in Translation

A course including the study and discussion of French masterpieces throughout the ages. Spring 1974. Credit, 3 semester hours.

261. Life and Culture of France

A course including the study and discussion of French masterpieces way of life and all aspects of the culture of France. Fall 1974. Credit, 3 semester hours.

321, 322. Survey of French Literature

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

331. Advanced French Grammar and Composition

An intensive and systematic investigation of French grammar beyond the intermediate level. Review of idioms and syntax; translations from English to French; original composition; stylistic analysis of literary texts. Spring. 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. Credit, 3 semester hours.

355. French Conversation and Composition

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. Credit, 3 semester hours.

61. French Civilization and Culture

Prerequisite: French 231 or its equivalent

A course designed to give students a better understanding of the history and civilization of France and other French-speaking countries and to increase their knowledge of the general aspects of French culture. Fall or spring. Credit, 3 semester hours.

435, 436. Nineteenth Century French Literature

Outstanding authors and their works in romanticism, realism, naturalism, and symbolism. Fall, spring. Credit, 6 semester hours.

441. Seventeenth Century French Literature

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

450. French Classical Theater in Translation

The Seventeenth Century French Theater. An investigation of the development of the classical theater in France, with emphasis on the tragedies of Corneille and Racine and the comedies of Molière. Taught in English. Fall 1973. Credit, 3 semester hours.

463, 464. Twentieth Century French Literature

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

499. Independent Study in French

General course designed primarily for French majors for the exploration of individual interest areas. Student research on an approved problem under the guidance of an instructor. Regularly scheduled progress conferences between the instructor and the student for evaluation purposes. Scheduled only with the approval of the Head of the Department. Offered by arrangement. Credit, 1 to 4 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. Fall, spring. 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. Credit, 6 semester hours.

250. **Masterpieces of German Literature in Translation**
A course including the study and discussion of German masterpieces throughout the ages. Fall 1974. Credit, 3 semester hours.
261. **Life and Culture of Germany**
A course offered in English to give students an understanding of the way of life and all aspects of the culture of Germany. Fall 1973. Credit, 3 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. Credit, 6 semester hours.
331. **Advanced German Grammar, Composition and Linguistics**
Further study of the morphological and syntactic structure of the German language; 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. Credit, 3 semester hours.
355. **German Conversation and Composition**
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; conducted in German. Fall, spring. Credit, 6 semester hours.
450. **German Drama in Translation**
A study of classical, naturalistic, and modern drama. Works by Goethe, Hauptmann, Brecht, Durrenmatt, etc. Spring 1974. Credit, 3 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. 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 tests.
Further practice in simple conversation, pronunciation, diction, grammar review, civilization, introduction to Latin literature including Cicero and Vergil, formal and free composition. Fall, spring. Credit, 3 semester hours.

PANISH

- 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. Credit, 6 semester hours.

231, 232. Intermediate Spanish

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

Development of a higher level of understanding of the language through review of the grammar, reading more serious literature, observing basic linguistic structure, engaging in more serious conversation, listening to records and tapes. Fall, spring. Credit, 6 semester hours.

250. Masterpieces of Mexican Literature in Translation

A study of Mexican literature with special emphasis on the Mexican novel. Fall 1973. Credit, 3 semester hours.

261. Life and Culture of Spanish-Speaking Countries

A course offered in English to give students an understanding of the way of life and all aspects of the culture of Spain and Latin America. Spring 1974. Credit, 3 semester hours.

321. Survey of Spanish Literature to 1800

Survey of the literature from its beginning to 1800, as an out-growth of the history and civilization. Fall. Credit, 3 semester hours.

322. Survey of Spanish Literature since 1800

Survey of the literature from 1800 to the present, as an out-growth of the history and civilization. Fall. Credit, 3 semester hours.

331. Advanced Spanish Grammar, Composition, and Linguistics

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

335. Advanced Audio-lingual Spanish and Phonetics

A course designed to develop fluency in Spanish for advanced Spanish students. Competencies for teaching the audio-lingual approach will also be stressed. Spring. Credit, 3 semester hours.

355. Spanish Conversation

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

361. Civilization and Culture of Spain

A course designed to give students a better understanding of the history and civilization of Spain and to increase their knowledge of the general aspects of Hispanic culture. Fall. Credit, 3 semester hours.

362. Civilization and Culture of Latin America

A course designed to give students a better understanding of the history and civilization of Latin America and to increase their knowledge of the general aspects of Spanish American culture. Spring. Credit, 3 semester hours.

435. **Nineteenth Century Spanish Literature**
Study of lives and representative works of prominent writers of the period. Fall. Credit, 3 semester hours.
443. **Cervantes and His Works**
A study of the life and works of Cervantes with special emphasis on the *Quixote*. Fall. Credit, 3 semester hours.
444. **Spanish Literature of the Golden Age**
A study of representative works and authors. Spring. Credit, 3 semester hours.
450. **Don Quixote in Translation**
A thorough study of Cervantes' masterpiece. Fall 1974. Credit, 3 semester hours.
63. **Twentieth Century Spanish Literature**
Study of the works of present-day writers. Fall. Credit, 3 semester hours.
64. **Spanish-American Literature**
Study of representative works of Spanish-American writers. Spring. Credit, 3 semester hours.
65. **Twentieth Century Mexican Literature**
A survey of the principal literary movements of the 20th century with special emphasis on the Mexican novel. Fall. Credit, 3 semester hours.
99. **Independent Study in Spanish**
General course designed primarily for Spanish majors for the exploration of individual interest areas. Student research on an approved problem under the guidance of an instructor. Regularly scheduled progress conferences between the instructor and the student for evaluation purposes. Scheduled only with the approval of the Head of the Department. Offered by arrangement. Credit, 1 to 4 semester hours.

HEALTH, PHYSICAL EDUCATION AND RECREATION

Head: RAYMOND B. PENNINGTON

LLEN J. BRYAN

DWIN W. CRAIN

AROLD T. ELLEN

ACEY E. GANE

KENNETH P. JOHNSON

ANDRE J. NADEAU

HAROLD M. OLSON

MAUDE ANN WEBB

The purposes of the Department of Health, Physical Education and Recreation are: (1) To provide all students with opportunities 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 professional education for teachers in the field of health and physical education; (3) To pro-

vide a program of intramural athletics which will offer each interested student opportunities to participate in healthful competition.

Requirements for a Bachelor of Science Degree in Health, Physical Education and Recreation

	Sem. Hrs.
Basic Studies Program (pp. 47)	45
Major Requirements: Health Education 214, 309; 311; 315; 414; Phy. Ed. 134 or 140; 138; 230; 231; 316 or 319; 325; 336; 340, 342, 348; 349; 350, 351, 352, 353, 354, 355 (any three for men); 360 (women), 361, 362, 363, 364, 365 (any two for women); 415; 424; 428; Service Program, 3 semester hours	53
Electives	22
	120

Requirements for a Bachelor of Science Degree in Physical Education with Certification by the State for Teaching in the Public Schools

	Sem. Hrs.
Basic Studies Program (pp. 47)	45
Major Requirements: Health Education 309, 311; 315. Phy. Ed. 134 or 140; 138; 316 or 319) 325; 336; 340; 341; 348; 349; 350, 351, 352, 353, 354, 355 (any three for men); 360 (women); 361, 362, 363, 364, 365 (any two for women); 415; Service Program, 3 semester hours	39
Professional Education Requirements: Education 227; 400; 445; 448; Ed.Psy. 202; 308	21
Electives	15
	120

COURSES

HEALTH EDUCATION

214. Safety Education and First Aid
Fundamental and practical application of administering the techniques of first aid and safety using the regular Red Cross First Aid Course. Fall or spring. Credit, 3 semester hours.
309. Basic Hygiene
Emphasis on personal hygiene and the student's obligation to serve society through the promotion of individual, family, and public health. Fall or spring. Credit, 3 semester hours.
310. Health Education Activities for Early Childhood
To enhance the student's knowledge and abilities needed to teach health education to children in grades K-3 and to enable the prospective teacher to better understand and cope with the health needs and differences of this age. Fall or spring. Credit, 3 semester hours.
311. Health Education Activities for the Intermediate Grades
The principles, practices, and procedures in health education for grades 4-9. Fall or spring. Credit, 3 semester hours.

15. **Prevention and Care of Athletic Injuries**
Emphasizes training in the prevention, diagnosis, and care of athletic injuries with practical applications in strapping, bandaging, massage, and the use of special protective equipment in treatment. Fall or spring. Credit, 3 semester hours.
14. **Adaptive Physical Education**
An analysis of activities especially designed and adapted for the exceptional individual. Spring. Credit, 3 semester hours.

PHYSICAL EDUCATION AND RECREATION

02. **Senior Life Saving**
Designed to meet the standards established by the American National Red Cross to certify the student for duty as a Life Guard. Fall or spring. Credit, 1 semester hours.
03. **Water Safety Instructor's Course**
Designed to meet the standards established by the American National Red Cross to certify the student as a Water Safety Instructor. Fall or spring. Credit, 1 semester hours.
13. **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 or spring. Credit, 1 semester hour.
- 20M. **The Theory and Techniques of Officiating Sports I**
An intensive study of the rules and mechanics of officiating football and basketball. Special emphasis will be placed on the rules published by the National Alliance. Fall. Credit, 1 semester hour.
- 20W. **The Theory and Techniques of Officiating Sports I**
An intensive study of the rules and mechanics of officiating field hockey, soccer, and volleyball. Special emphasis will be placed on the rules published by the DGWS. Fall. Credit, 1 semester hours.
- 21M. **The Theory and Techniques of Officiating Sports II**
An intensive study of the rules and mechanics of officiating wrestling, baseball, softball, track and field. Special emphasis will be placed on the rules published by the National Alliance. Spring. Credit, 1 semester hour.
- 21W. **The Theory and Techniques of Officiating Sports II**
An intensive study of the rules and mechanics of officiating basketball, softball, track and field. Special emphasis will be placed on the rules published by the DGWS. Spring. Credit, 1 semester hour.
36. **Physical Education Activities for the Intermediate Grades**
A study of the materials and methods of physical education in grades 4-9 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. Fall, spring. Credit, 3 semester hours.
39. **Physical Education Activities for Early Childhood**
A course that deals with physical development of children in grades K-3 as it relates to rhythmic activities, group play, and other physical activities appropriate to early childhood development. Fall or spring. Credit, 3 semester hours.

325. Practicum in Physical Education

Practical experience in teaching physical education activities. Student is assigned to a member of the physical education faculty as an assistant. Fall and spring. Credit, 1 semester hours.

336. Foundations of Health and Physical Education

A study of the relationship and contribution of health and physical education to general education—historical and philosophical backgrounds, basic biological, physiological, and sociological foundations of the modern program. Fall or spring. Credit, 3 semester hours.

340. Skills and Applied Techniques in the Teaching of Swimming

Methods, materials, techniques, and skills of teaching swimming. Fall or spring. Credit, 1 semester hour.

341. Skills and Applied Techniques in the Teaching of Tumbling and Gymnastics

Methods, materials, techniques, and skills of teaching tumbling and gymnastic. Fall or spring. Credit, 1 semester hour.

348. Anatomy and Kinesiology

Prerequisite: Biology 102

An analytical study of the structure of the human body with special application to bodily movements in physical education and sports. Laboratory experiments relating to body performance will supplement the lectures as the instructor and students determine needs and interest. Fall. Credit, 4 semester hours.

349. Physiology

Prerequisite: Biology 102

An analytical study of the physiological aspects of gross motor performance. Laboratory experiments and observations of the body as a functioning model in physical education and sports will supplement the lectures as the instructor and students determine needs and interest. Spring. Credit, 3 semester hours.

350. Coaching Football (Men)

A study of offensive and defensive play; rules, strategies, and problems of conditioning teams. Fall. Credit, 2 semester hours.

351. Coaching Basketball (Men)

A study of offensive and defensive play; rules, strategies, and problems of conditioning teams. Fall. Credit, 2 semester hours.

352. Coaching Track and Field (Men)

A study of fundamentals, individual techniques and team play, conditioning, maintaining facilities and staging meets. Spring. Credit, 2 semester hours.

353. Coaching Baseball (Men)

A study of offensive and defensive play; rules, strategies, problems of conditioning teams and maintaining facilities. Spring. Credit, 2 semester hours.

354. Coaching Wrestling (Men)

A study of offensive and defensive play; rules, strategies, and problems of conditioning teams. Spring. Credit, 2 semester hours.

355. Coaching Soccer (Men)
A study of offensive and defensive play; rules, strategies, and problems of conditioning teams. Fall. Credit, 2 semester hours.
360. Coaching Field Hockey (Women)
A study of offensive and defensive play; rules, strategies, and conditioning. Fall. Credit, 2 semester hours.
361. Coaching Basketball (Women)
A study of offensive and defensive play; rules, strategies and conditioning. Spring. Credit, 2 semester hours.
362. Coaching Track and Field (Women)
A study of fundamentals, individual techniques and team play, conditioning, maintaining facilities and staging meets. Spring. Credit, 2 semester hours.
363. Coaching Softball (Women)
A study of offensive and defensive play; rules, strategies, and conditioning. Spring. Credit, 2 semester hours.
364. Coaching Volleyball (Women)
A study of offensive and defensive play; rules, strategies, and conditioning. Fall. Credit, 2 semester hours.
65. Coaching Soccer (Women)
A study of offensive and defensive play; rules, strategies, and conditioning. Fall. Credit, 2 semester hours.
00. Methods of Teaching Health and Physical Education
Purposes, methods, materials, techniques and evaluation procedures in Health and Physical Education for K-12. Directed observation in the public schools; preparation of teaching plans and materials. Fall, spring. Credit, 3 semester hours.
12. 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. Credit, 3 semester hours.
15. Organization and Administration of School Health, Physical Education, and Athletics
A study of the organization and administration of school health, physical education, and athletics with particular reference to relationships with the general education program and the work of the health, physical education, and recreation specialist. Fall or spring. Credit, 3 semester hours.
18. Health and Physical Education Activities for the Mentally Retarded
Designed especially for teachers of the mentally retarded child. Practical application of health and physical education activities appropriate for varying age and grade levels. Fall or spring. Credit, 3 semester hours.

420. Driver Education

Prerequisite for the course is a state driver's license.

Designed to assist in qualifying public school teachers to become instructors in high school programs of driver education. Credit, semester hours.

424. Tests and Measurement in Physical Education

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

428. Playground and Community Recreation

A brief study and elementary presentation of the foundations of organized recreation; background and theories; objectives and principles; social and economic factors; administration of playground and recreation programs. Fall. Credit, 3 semester hours.

499. Independent Study in Physical Education

Scheduled only with approval of Department Head. Directed reading and research, under the guidance of the instructor, of an approved problem of a specific need to the student. For senior Physical Education majors only. Fall and spring; individual arrangement. Credit, 1 to 3 semester hours.

PHYSICAL EDUCATION SERVICE PROGRAM

Each student enrolled in a physical education service program is required to have a gymnasium uniform. All Service Courses meet two hours a week for one-half semester. Credit, 1 semester hour.

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|--------------------------------|----------------------------|
| 130. Adapted Activities | 139. Handball |
| 131. Archery | 140. Intermediate Swimming |
| 132. Badminton | 141. Physical Conditioning |
| 133. Beginning Golf | 142. Social Dance |
| 134. Beginning Swimming | 143. Stunts and Tumbling |
| 135. Beginning Tennis | 144. Trampoline |
| 136. Beginning Wrestling (Men) | 145. Volleyball |
| 137. Bowling | 146. Weight Training (Men) |
| 138. Folk and Square Dancing | |

VARSITY SPORTS

Varsity Sports are open to the members of varsity teams only and with approval of the Head Coach. Credit, 1 semester hour.

- | | |
|----------------------------|------------------------------|
| 150. Varsity Baseball | 155. Varsity Swimming |
| 151. Varsity Basketball | 156. Varsity Tennis |
| 152. Varsity Cross Country | 157. Varsity Track and Field |
| 153. Varsity Golf | 158. Varsity Wrestling |
| 154. Varsity Soccer | 159. Varsity Cheerleading |

HISTORY

Head: JOHN CHAY

WILLIAM R. BULLARD

DAVID K. ELIADSE

LOREN L. BUTLER, II
 AVERY J. BUTTERS
 ADOLPH L. DIAL

PAUL K. FREIWIRTH
 JEROME A. MCDUFFIE
 *CLIFTON OXENDINE

History is a liberating discipline. Through the study of political, social, and cultural aspects of the modern society and the rise and development of major civilizations, the individual is able to expand his insights into human experience and achievement. The study of history enables the individual to understand the major issues that confront mankind and makes possible a more reasoned and intelligent response to these problems.

The Department offers preparation to individuals intent upon almost every career and profession. While the Department offers sound foundation for students who wish to teach history and other social studies, it also prepares students to continue with graduate or special work in history.

Courses offered by the Department also provide a background for students who wish to study law, enter government service, or obtain a background for other professions.

History majors will be assigned an advisor whose responsibility is to help students plan their program. History majors must have approval of their advisor to register for advanced history courses. While the history department does not require a foreign language, students planning graduate study in history should acquire a reading knowledge of French, German, or Spanish.

Professor Emeritus

Requirements for a Bachelor of Arts Degree in History

	Sem. Hrs.
Basic Studies (pp. 47)	45
Major Requirements	
History 107, 108, 207, 208 and twenty four additional semester hours of advanced history	36
Electives	39
	120

Requirements for a Bachelor of Arts Degree in History with Certification by the State for Teaching Social Studies at the Secondary Level

	Sem. Hrs.
Basic Studies (pp. 47)	45
Major Requirements	
History 107, 108, 207, 208 and eighteen additional hours of advanced history	
Twelve additional semester hours divided as equally as possible among economics, geography, political science, and sociology	42

Professional Education Requirements

Education 227, 400, 445, 448; Ed. Psy. 202, 308

Electives

21

12

120

COURSES

107. Modern Western Civilization

A survey of Western civilization from its pre-Greek origins to 1815 with emphasis on the period from the Renaissance through Napoleon. Fall, spring. Credit, 3 semester hours.

108. Modern Western Civilization (cont'd)

A survey of Western civilization from 1815 to the present. Fall, spring. 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. 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. Credit, 3 semester hours.

210. History of the American Indian (AIS 210)

A survey of the major Indian cultures in North America with emphasis on those located in the eastern half of the United States. Spring. Credit, 3 semester hours.

260. Afro-American History

A treatment of the Black man in American History from his African origins to the present. Fall. Credit, 3 semester hours.

305. United States Colonial History

A study of the rise of the American Nation from the Celts and Norsemen to the rise of insurgence against parliamentary reforms in the mid-eighteenth century. Fall. Credit, 3 semester hours.

306. United States Revolutionary and Early National History

A study of the rise of the American Nation from the insurgence against Parliament in the mid-eighteenth century to the end of the Federalist period. Spring. Credit, 3 semester hours.

308. United States History: The Jeffersonian-Jackson Era

A study of the major political, economic, social and cultural developments from Republican origins under Jefferson to the Whig insurgency under Harrison and Tyler. Fall. Credit, 3 semester hours.

310. U. S. History, 1844-1900

A thematic and topical study of American history from 1844-1900 with an emphasis on sectionalism, the Civil War, Reconstruction and protest politics. Spring. Credit, 3 semester hours.

313. American History Since 1900

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

17. **History of North Carolina**
A study of selected phases of the development of North Carolina from colonial beginnings to the present. Fall or spring. Credit, 3 semester hours.
19. **History of the American Indian In North Carolina**
An examination of selected topics concerning the most significant Indian cultures and tribes in North Carolina, with emphasis on the Cherokee, Catawba, Tuscarora, and Lumbee peoples. Spring. Credit, 3 semester hours.
21. **Ancient History**
A survey of Ancient History from the beginnings of civilization to A.D. 500. Fall. Credit, 3 semester hours.
23. **The Formation of Western Culture, A.D. 500-1500**
A survey of the development of Western Cultures from the Fall of Rome to the Renaissance. Fall. Credit, 3 semester hours.
24. **Byzantine and Islamic History**
A survey of the history of the Mediterranean World from A.D. 284 to A.D. 1453. Spring. Credit, 3 semester hours.
27. **Early Modern Europe, 1500-1789**
A survey of European history from the Renaissance to the French Revolution to the present. Fall. Credit, 3 semester hours.
29. **Revolution, Liberalism, and Nationalism in Europe, 1789-1914 (elective)**
A survey of European civilization from the French Revolution to the outbreak of the First World War. Spring. Credit, 3 semester hours.
32. **Twentieth Century Europe**
A study of conflict and cooperation in an era of global war, with emphasis on the interaction of democracy, communism, fascism, and imperialism. Spring. Credit, 3 semester hours.
35. **European Diplomatic History, 1871-1949**
A study of European diplomatic history from the Franco-German War to the creation of NATO. Spring. Credit, 3 semester hours.
38. **History and Development of Christian Thought (Religion 338)**
A study of selected men, movements and ideas that have contributed to the development of Christianity after Paul to the 20th Century. Fall. Credit, 3 semester hours.
44. **History of the Modern Far East**
Prerequisite: History 107-108, Western Civilization
An introduction to the Far Eastern civilization and modern history of the Far East with an emphasis on the East-West contact in the 19th Century and development in the region in the 20th Century. Fall or spring. Credit, 3 semester hours.
55. **The U. S. and the Far East (May be used as a Political Science course)**
A study of the major factors and the processes concerning American involvement in the Far East from the beginning of the Republic to

the present; to include the nature of the international system in the Far East and changing American interests and policies in the Region. Fall or spring. Credit, 3 semester hours.

363a. Colloquium on Slavery

Prerequisite: Permission of Instructor

Investigation into the origins of slavery and the effects of slavery on both the slaves and masters. Fall or Spring. Credit, 1 semester hour.

363b. Colloquium on Great Men in Black History

Prerequisite: Permission of Instructor

A treatment of great men in black history through reading significant books, discussions, and supplementary reports. Fall or Spring. Credit, 1 semester hour.

363c. Colloquium on Prejudice and Segregation

Prerequisite: Permission of Instructor

Investigation into the relationship between prejudice and segregation. Fall or Spring. Credit, 1 semester hour.

365. History of Africa

Major political, economic, social and cultural developments in Africa with emphasis on sub-Saharan Africa. Fall. Credit, 3 semester hours.

381. Colonial Latin American History

A survey of the Spanish and Portuguese Empires through the War for Independence. Fall. Credit, 3 semester hours.

382. South America Since Independence

A study of South America from Independence to the present. Spring. 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. Credit, 3 semester hours.

384. History of Latin American Political Institutions (May be used as a Political Science Course)

A examination of political institutions and types of governments in selected Latin American countries since independence. Fall or spring. Credit, 3 semester hours.

401. Colloquium on American Indian History (AIS 401)

Investigations into selected topics in American Indian history through reading of significant books, discussions and supplementary reports. Fall or spring. Credit, 3 semester hours.

404. History of the Old 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. Credit, 3 semester hours.

405. History of the New South

A study of the postwar South and its efforts to re-emerge as a prosperous and equal partner in the American union. Spring. Credit, 3 semester hours.

406. U.S. Military History

A survey of American military policies and operations from 1776

the present with emphasis on World War II, the Cold War, Korea, and Viet Nam. Fall or spring. Credit, 3 semester hours.

408. **Economic History of the United States (Economics 341)**
A historical study of the American economy from Colonial times to the present. Fall or spring. Credit, 3 semester hours.
410. **U.S. Social and Intellectual History**
The daily life, institutions, intellectual and artistic achievements of the American people from 1607 to the present. Fall or spring. Credit, 3 semester hours.
411. **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. Credit, 3 semester hours.
414. **History of American Foreign Policy through 1898 (May be used as a Political Science Course)**
A study of the major trends, issues, and problems in American diplomacy from the Colonial period through the Spanish-American War. Fall. Credit, 3 semester hours.
415. **History of American Foreign Policy from 1898 to the Present (May be used as a Political Science Course)**
A study of the major trends, issues, and problems in American diplomacy from the Spanish-American War to the present. Spring. Credit, 3 semester hours.
16. **Modern Russian History**
An examination of the major developments in Russian history from 1801 to the present. Fall. Credit, 3 semester hours.
20. **History of the German Nation**
A study of the development of the German Nation from the earliest times to the present. Fall. Credit, 3 semester hours.
25. **World Revolution**
An examination of the causes, course, and consequences of the major revolutions from 1789 to the present. Fall. Credit, 3 semester hours.
30. **Colloquium on Latin American Problems**
Investigations into selected topics in Latin American economies, populations, and politics through the reading of significant books, discussions and supplementary reports. Spring. Credit, 3 semester hours.
31. **The U.S. and Latin America (May be used as a Political Science Course)**
A study of the special relationships between the American Republics in the 19th and 20th centuries, the development of Pan Americanism and the Organization of American States. Fall or spring. Credit, 3 semester hours.
50. **Senior Seminar in History**
A serious study in the philosophy of history, its methodology as well as research and/or historiography. Fall or spring. Credit, 3 semester hours.

452. Problems in American Foreign Policy (May be used as a Political Science Course)
A study of major issues and problems in American foreign policy including tradition and other constant factors for policy making with major emphasis on the post-World War II period. Fall or spring. Credit, 3 semester hours.
- 470s. Workshop in Minority History
A two-part workshop consisting of study in American Indian and Afro-American history. Summer. Credit, 4 semester hours.
499. Independent Study in History
Directed reading and research under the guidance of the instructor in a specific area or problem in history. Scheduled only for Senior History majors with the approval of the Head of the Department. Fall or spring. Credit, 1-3 semester hours.

HOME ECONOMICS

Head: ANNIE MERLE W. ELAM

AGNES O. GREENE

DOROTHY URBAN

Two programs for majors are available in the Department of Home Economics: (1) Home Economics Education, and (2) General Home Economics. Home economics education majors may enter the field of teaching in addition to the other areas open to home economists. General home economics majors may enter business and professional careers as well as the career of home-making.

Courses are to be chosen after consultation with the departmental adviser.

All courses are open to non-home economics majors if prerequisite requirements are met.

Requirements for a Bachelor of Science Degree in Home Economics

	Sem. Hrs
Basic Studies (pp. 47)	45
Major Requirements	
Home Economics 111, 112, 301, 303, 310, 321, 401, 422, and twelve additional semester hours of home economics electives	36
Electives	39
	120

Requirements for a Bachelor of Science Degree in Home Economics with Certification by the State to Teach Home Economics at the Secondary Level

	Sem. Hrs
Basic Studies (pp. 47)	45

Major Requirements	
Home Economics 101, 111, 112, 300, 301, 303, 310, 321, 401, 403, 422, and six additional semester hours of home economics electives	36
Professional Education Requirements	
Education 227, 400, 445, 448; Ed. Psy. 202, 308	21
Electives	18
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	120

COURSES

GENERAL

00. Occupational Home Economics
A study of job classifications and competency requirements for home economics related occupations with on-the-job work experience in one of the occupations. Fall, spring. Credit, 3 semester hours.
- 08s. Crafts and Hobbies
A course designed to teach the fundamentals of various hand crafts, such as knitting, crewel embroidery, swedish weaving, etc. Summer. Credit, 3 semester hours.
50. Field Work in Home Economics
Prerequisite: Permission of Department Head
Field experience chosen by the student based on interest, aptitudes, and community needs, conducted in cooperation with an approved agency. Supervised by departmental staff. Fall, spring. Credit, 1 to 3 semester hours.
09. Independent Study
Prerequisite: Permission of Department Head; receipt of written proposal in advance of registration.
Directed reading, research or problem solving in a specific area in home economics under the guidance of an instructor. Offered by arrangement. Credit, 1 to 3 semester hours.

CHILD DEVELOPMENT AND FAMILY RELATIONS

02. 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. Two lectures weekly. Spring. Credit, 2 semester hours.
03. 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. Three lectures weekly. Fall. Credit, 3 semester hours.
00. Family Relations
Designed to assist students in preparation for marriage and family living. Three lectures weekly. Fall. Credit, 3 semester hours.

CLOTHING AND TEXTILES

01. Textiles
A study of fibers, the various methods of fabric and clothing produc-

tion, and the application of the latest technological developments in these areas. Designed to develop intelligent purchases and proper care of textile merchandise. Two lectures, one double laboratory period weekly. Fall. Credit, 3 semester hours.

112. **Clothing Selection and Construction I**
Study of family clothing needs, budgeting, and storage; construction of simple garments. One lecture, two double laboratory periods weekly. Fall. Credit, 3 semester hours.
221. **Clothing Selection and Construction II**
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. One lecture, two double laboratory periods weekly. Spring. Credit, 3 semester hours.
304. **Applied Dress Design and Construction**
Prerequisite: Home Economics 112
Principles of flat pattern designing. Modifications of patterns in relation to fit. One lecture, two double laboratory periods weekly. Spring. Credit, 3 semester hours.
421. **Tailoring Techniques**
Prerequisite: Home Economics 221
An advanced course in clothing construction. Designed to include the fine details of tailoring, fitting, and pattern alteration. Construction of tailored garments. Three double laboratory periods weekly. Fall. 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. Three lectures weekly. Spring. Credit, 3 semester hours.

FOODS AND NUTRITION

111. **Food Selection and Preparation**
Theory and practice in planning, marketing, storing, preparing and serving of food for family meals. One lecture, two double laboratory periods weekly. Fall. Credit, 3 semester hours.
204. **Meals for Men**
Elementary principles of nutrition; various aspects of meal planning, marketing, preparation and serving; outdoor cookery; and a limited study of special diets. Open to men only. One lecture, two double laboratory periods weekly. Spring. Credit, 3 semester hours.
222. **Meal Management**
Prerequisite: Home Economics III
Further study and practice in planning, marketing, preparing, and serving of food for family meals and special functions. One lecture, two double laboratory periods weekly. Spring. Credit, 3 semester hours.
301. **Nutrition**
A study of the fundamental principles of human nutrition and the application in the selection of diets at different cost levels and the adaptation of diet to common disorders. Three lectures weekly. Fall. Credit, 3 semester hours.

04. **Food Preservation**
Principles and techniques in preservation of food. Application of the fundamental sciences and recent development in canning, drying, home freezing, and candy making. One lecture, two double laboratory periods weekly. Fall. Credit, 3 semester hours.
05. **Institution Management**
Administration and management of institutional food services. Job analysis, employee training, personal relations, equipment requirements, and sanitation. Three lectures weekly. Fall. Credit, 3 semester hours.
06. **Diet Therapy**
Prerequisites: Nutrition and Chemistry
Role of nutrition and diet in the prevention and treatment of disease. Three lectures weekly. Spring. Credit, 3 semester hours.

HOUSING AND MANAGEMENT

21. **Consumer Education**
Understanding processes in marketing organization, labeling and grading of commodities; consumer problems affecting cost in relation to clothing, food, and home furnishing. Three lectures weekly. Spring. Credit, 3 semester hours.
51. **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. Two lectures, one double laboratory period weekly. Spring. Credit, 3 semester hours.
01. **Home Management**
A study of management principles as they relate to the use of resources in the home. Three lectures weekly. Fall, spring. Credit, 3 semester hours.
02. **Household Equipment**
Fundamental principles and management involved in selection, arrangement, use and care of household equipment. Two lectures weekly. Spring. Credit, 2 semester hours.
03. **House Residence**
Prerequisite or parallel: Home Economics 401
Six weeks of supervised residence in the Home Management House. Application of principles of home management to required activities. Group Conferences. Fall, spring. Credit, 2 semester hours.
02. **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. Two lectures, one double laboratory period weekly. Fall. Credit, 3 semester hours.
01. **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. Two lectures, one double laboratory period weekly. Spring. Credit, 3 semester hours.

MATHEMATICS*Head:* HENRY TRAMER

CHARLES D. BASS
 JAMES A. JACOBS
 KEYHANG KEEM

JAMES R. KRABIL
 GILBERT SAMPSON
 GEORGE D. ZAHN

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 and to create a love for mathematics.

Requirements for a Bachelor of Science Degree in Mathematics

	Sem. Hrs.
Basic Studies (pp. 47)	45
Major Requirements	
Mathematics 107 and 108 or equivalent, 221, 222, 315, 316, 325, 431, and nine additional semester hours of advanced mathematics	30-36
Electives	39-45
	<hr/> 120

Requirements for a Bachelor of Science Degree in Mathematics with Certification by the State to Teach Mathematics at the Secondary Level

	Sem. Hrs.
Basic Studies (pp. 47)	45
Major Requirements	
Mathematics 107 and 108 or equivalent, 221, 222, 315, 316, 325, 411, 431, and six additional semester hours of advanced mathematics	30-36
Professional Education Requirements	
Education 227, 400, 445, 448; Ed. Psy. 202, 308	21
Electives	18-24
	<hr/> 120

COURSES**101-102. Mathematics for Elementary School Teachers**

Prerequisite for Mathematics 102: Mathematics 101

This is a basic general concept course dealing with mathematics taught in the elementary schools such as sets, operations on sets and the development of the number system. 101 is required for K-3, 4-9 and Special Education majors. 102 is required for 4-9. Fall, Spring. Credit 3 semester hours each.

105. Introduction to College Mathematics

Fundamental principles of mathematics including a study of elementary set theory and mathematical logic. Fall. 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 theorem, exponents and logarithms, theory of equations, permutations and combinations. Fall. Credit, 3 semester hours.
108. **Plane Trigonometry**
 Prerequisites: Plane Geometry; Mathematics 107
 A course including indirect measurement, solutions 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. Credit, 3 semester hours.
109. **College Algebra and Trigonometry**
 Real and complex numbers, inequalities, functions and their graphs, polynomials and rational functions; exponential, logarithmic and trigonometric functions. Fall. Credit, 3 semester hours.
118. **Finite Mathematics**
 Prerequisite: Mathematics 107 or equivalent.
 Set theory, symbolic logic, partitions, permutations, combinations, probability, and matrices. Spring. Credit, 3 semester hours.
205. **Introduction to Statistics**
 Prerequisite: Mathematics 107 or equivalent.
 Elementary probability and statistics; measure of central tendency and variability, the binomial and 't' distributions. Testing hypothesis, chi-square and linear regression. Spring. Credit, 3 semester hours.
210. **Introduction to Computers**
 Prerequisite: Mathematics 107 or equivalent.
 A basic computer course with emphasis on problem solving with computers. A high level programming language is studied and applied to the problems. The problems will be diversified in both techniques required, and in applications. Fall. Two lectures, one double laboratory period weekly. Credit, 3 semester hours.
221. **Calculus I**
 Prerequisite: Mathematics 108 or equivalent
 The treatment of topics from algebra and analytic geometry, functions, limits. The derivative, applications of the derivative. Fall. 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. Credit, 4 semester hours.
225. **Calculus III (Linear Algebra)**
 Prerequisite: Mathematics 222
 An introduction to the theory of vector spaces, linear transformations, systems of linear equations, matrices, determinants. Applications to differential equations. Credit, 3 semester hours.

316. Calculus IV

Prerequisite: Mathematics 315

Multiple variable calculus. Vector functions, limits and continuity, line integrals, partial derivatives, gradient, the differential, chain rule, vector field theory, Green's theorem, conservative fields. Fall. Credit, 4 semester hours.

320. Theory of Sets

Prerequisite: Mathematics 105 or Mathematics 107

A study of the language and concepts of set theory, relations, functions, development of the integers, rational, and real numbers. Spring. Credit, 3 semester hours.

322. Differential Equations

Prerequisite: Mathematics 315

Solution of elementary differential equations with geometric and physical applications. Spring. Credit, 3 semester hours.

325. Algebra I

Prerequisite: Mathematics 315

Introduction to number theory, groups, integral domains, rings, and fields. Fall. Credit, 3 semester hours.

326. Algebra II

Prerequisite: Mathematics 325

Further topic in group theory—the Sylow theorems. Extension fields, Galois theory, the insolvability of the quintic. Spring. Credit, 3 semester hours.

327. Numerical Analysis

Prerequisite: Mathematics 315.

An introduction to the solution of mathematical problems by computational techniques, including both finite and iterative methods and some error analysis. Spring. Credit, 3 semester hours.

328. Probability

Prerequisite: Mathematics 315

Probability space, random variables, discrete and continuous distribution function, characteristic functions. Binomial, Poisson and normal distributions, central limit theorems. Fall. Credit, 3 semester hours.

329. Applied Mathematics

Prerequisite: Mathematics 315

Selected topics from ordinary and partial differential equations. Fourier series, boundary value problems, laplace transforms, complex variables. Spring. Credit, 3 semester hours.

411. College Geometry

Prerequisite or Corequisite: Mathematics 315

A study of the development of Euclidean geometry from the metric and synthetic approach and an introduction to non-Euclidean geometry. Fall. Credit, 3 semester hours.

412. Theory of Equations

Prerequisite: Mathematics 107 or 109 or equivalent.

A study of complex numbers, the solution of higher equations, roots.

symmetric functions, isolation of real roots, solution of numerical equations and determinants. Spring. Credit, 3 semester hours.

415. Theory of Numbers

Prerequisite: Mathematics 222

An introduction to the properties of integers, prime and composite numbers, Fermat's Theorem, arithmetic functions, quadratic residues, diophantine equations, continued fractions and congruences. Fall. Credit, 3 semester hours.

420. Mathematical Logic

Prerequisite: Mathematics 325 or Mathematics 411.

The propositional calculus with an introduction to axiom systems for the propositional calculus. Quantification theory, models for first order theories and the completeness theorem. As announced. Credit, 3 semester hours.

423. Linear Algebra

Prerequisite: Mathematics 315

Advanced topics in Linear Algebra. As announced. Credit, 3 semester hours.

431. Advanced Calculus I

Prerequisite: Mathematics 315

Elementary set theory and point-set topology, continuity and limits of multivariable functions, multiple and iterated integrals, series. Fall. Credit, 3 semester hours.

432. Advanced Calculus II

Prerequisite: Mathematics 431

Differentials, implicit function theorem, surfaces, differential forms, the theorems of Green, Gauss and Stokes. Spring. Credit, 3 semester hours.

442. Real Analysis

Prerequisite: Mathematics 431

Real number system. Semi-continuity. Borel sets, Baire classification of functions. Lebesgue measure and integration, L_p spaces, Hilbert spaces. As announced. Credit, 3 semester hours.

444. Complex Analysis

Prerequisite: Mathematics 315

The complex numbers, analytic functions, conformal mappings, contour integration, Cauchy's theorem and integral formula. Taylor and Laurent expansions, residues, analytic continuation, Liouville's theorem. As announced. Credit, 3 semester hours.

446. Topology

Prerequisite: Mathematics 431

Elements of point-set topology, separation properties, compactness, connectedness, Tychonoff theorem, fundamental group and covering spaces. As announced. Credit, 3 semester hours.

449. Independent Study

Offered for mathematics majors on approval of the Department Head. Credit, 1 to 3 semester hours.

MUSIC

Head: HAROLD C. SLAGLE

DORIS B. JOHNSON
FRANCIS L. PFEIFER
ELMA L. RANSOM

JOHN A. ROBERTS
ROGER H. TAYLOR
GEORGE R. WALTER

The purposes of the Department of Music are three-fold: to provide comprehensive training for teachers of vocal and instrumental music in the public schools; to provide experiences which the music student and the general university student will find rewarding in developing their cultural sensitivity; and to provide public programs and concerts to enrich the cultural life of the University and the community.

The Department offers the following programs leading to the Bachelor of Science degree in Music Education with certification and the Bachelor of Arts degree in Music. The Music Education program offers an emphasis in General Music (Vocal), or an emphasis in Instrumental Music.

Requirements for a Bachelor of Arts in Music:

	Sem. Hrs
Basic Studies Requirements (pp. 47)	45
Major Requirements:	
Music 114, 115, 159, 160, 159, 160, 100 or 141, 101 or 142, 214, 215, 259, 260, 259, 260, 200 or 241, 201 or 242, 332, 337, 338, 327 or 328, 359, 360, 359, 360, 300 or 341, 301 or 342, 430, 432, 459, 460, 459, 460, 401 or 441, and 404.	60
Electives	15
	120

Requirements for a Bachelor of Science Degree in Music Education with Vocal Emphasis and with Certification by the State to Teach Music in the Public Schools:

	Sem. Hrs
Basic Studies Requirements (pp. 47)	45
Major Requirements:	
Music 114, 115, 191 or 159, 181 or 159, 100, 192 or 160, 182 or 160, 101, 214, 215, 205, 206, 259, 260, 159 or 259, 160 or 260, 200, 201, 271, 172, 171, 359, 360, 327, 328, 337, 338, 405, 300, 301, 430, 334, 401, and 459	54
Professional Education Requirements:	
EPy 202, 308, Edn 227, 445, 448, and Mus 400	21
Electives	0
	120

Requirements for a Bachelor of Science Degree in Music Education with an Instrumental Emphasis and with Certification by the State to Teach Music in the Public Schools:

	Sem. Hrs.
Basic Studies Requirements (pp. 47)	45
Major Requirements:	
114, 115, 191, 192, 181, 182, 141, 142, 159, 160, 214, 215, 205, 206, 159 or 259, 160 or 260, 241, 242, 171, 172, 271, 259, 260, 359, 360, 327, 328, 337, 338, 341, 342, 420, 459, 430, and 334	54
Professional Education Requirements:	
EPy 202, 308; Edn 227, 445, 448 and Mus 400	21
Electives	0
	120

COURSES

THEORY AND GENERAL MUSIC

114, 115. Theory I and II: Beginning Harmony

A course designed to acquaint students beginning their study of music with the fundamentals of music including ear training, sight singing, and keyboard harmony. Fall, spring. Credit, 3 hours each semester.

214, 215. Theory III and IV: Advanced Harmony

Prerequisite: Theory I-II

A course designed to teach music majors the harmonic techniques of composers of the seventeenth to twentieth centuries through the study of functional diatonic and chromatic harmony. Fall, spring. Credit, 3 hours each semester.

230. Introduction to Music Appreciation

Restriction: Not open to music majors

The development of knowledge and understanding of music. Emphasis given to the forms of music found in different periods, listening, and the relationship of music to general cultural development. Fall or spring. Credit, 3 semester hours.

235. A Study in Jazz

A study of jazz from 1910 to the present, including such forms as New Orleans, Chicago, swing, bop, rock, and progressive. Improvisatory techniques of jazz will be compared with theme and variation, together with other forms. Fall or spring. Credit, 3 semester hours.

327. Choral Conducting

A laboratory course which includes the study of choral techniques, choral development, and supervised conducting experience. Fall. Credit, 2 semester hours.

328. Instrumental Conducting

A laboratory course which includes the study of instrumental scores and advanced conducting techniques. Spring. Credit, 2 semester hours.

332. **Form and Analysis**
Prerequisite: Theory IV
A study of various forms including large and small choral and instrumental works. Spring. Credit, 2 semester hours.
334. **Orchestration and Arranging**
Prerequisite: Theory IV
A practical study of the fundamentals of scoring for individual instruments and ensembles. Spring. Credit, 2 semester hours.
- 337, 338. **History of Music I and II**
A study of the development of music in Western Civilization beginning with the music of Ancient Greece and continuing through the twentieth century. Fall, spring. Credit, 3 hours each semester.
345. **Music Composition I**
Prerequisites: Theory III, IV or permission of instructor
A course designed to implement the student's study of theory. Original compositions will be written in instrumental or choral musical styles of all periods using both homophonic or polyphonic writing techniques. Fall. Credit, 2 semester hours.
390. **The Church Choir**
Materials and methods in the direction of church choirs which include a study of the role of the music director in the church. Fall. Credit, 3 semester hours.
404. **Senior Recital**
Offered to senior music majors participating in a public recital. Credit is given by permission of the instructor and the department chairman. Fall or spring. Credit, 0-2 semester hours.
425. **Piano Pedagogy**
A course designed primarily for those students in the BA program who are planning to teach privately. The course includes methods of teaching, appropriate materials, and advanced techniques for all grade levels. Fall or spring. Credit, 2 semester hours.
426. **Practicum in Piano Teaching**
Prerequisite: Music 425 or permission of the instructor.
Beginning piano lessons offered to area public school students at a nominal fee, and taught by upper level collect students. The course provides teaching experiences under the supervision of collect instructors. Fall, spring. Credit, 1-4 semester hours.
430. **Music Literature**
Prerequisites: Music 337, 338
A study of music literature for large and small performing groups of all periods from a stylistic and developmental viewpoint. Fall. Credit, 3 semester hours.
432. **Counterpoint**
Prerequisite: Theory IV
A study primarily of eighteenth century contrapuntal techniques with written work in two-through four-part writing. Fall. Credit, 2 semester hours.

490. Service Playing

Prerequisite: Music 259 (Organ) or the equivalent

A study of the musical liturgy of the Catholic, Jewish, and Protestant services. Students should be free for Sunday morning church visitations. Spring. Credit, 1 semester hour.

499. Independent Study in Music

Prerequisites: Music Major, senior standing, and approval of Department Head.

Directed study and research in the student's major field of interest. Fall or spring. Credit, 1 to 3 semester hours.

APPLIED MUSIC

Private study is offered in piano, organ, voice and instruments of the band and orchestra. 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, and may be elected with permission of the instructor by students not majoring in music.

1. Applied music lessons require a minimum of five practice hours weekly.
2. At the discretion of the applied music instructors, music majors must participate in student music recitals. 159, 160; 159, 160; 259, 260; 359, 360; 459, 460. Applied Music (Courses must follow in sequence)

- | | |
|-----------------------|---------------------------|
| 01. Private Voice | 10. Private French Horn |
| 02. Private Piano | 11. Private Trombone |
| 03. Private Organ | 12. Private Baritone Horn |
| 04. Private Flute | 13. Private Tuba |
| 05. Private Oboe | 14. Private Percussion |
| 06. Private Clarinet | 15. Private Violin |
| 07. Private Bassoon | 16. Private Viola |
| 08. Private Saxophone | 17. Private Violoncello |
| 09. Private Trumpet | 18. Private Bass Viol |

Private lessons are designed to build technical proficiency, repertoire, and awareness of vocal and instrumental problems. Fall, spring. One half-hour lesson and one fifty-minute seminar weekly. Credit, 1 or 2 semester hours.

Inasmuch as a proficiency examination is not given to students prior to enrollment at Pembroke State University, each student must display a technical proficiency at the end of Applied Music 260. This examination will consist of performing before the music faculty on the student's major instrument and displaying a standard of quality equal to university sophomore standing.

Proficiency examinations are also required by the Piano Division at the end of the sophomore year of study. This examination is a test of the student's ability to play, transpose, chord, and sight-read simple songs.

Students must pass these proficiency tests before proceeding to

junior-level applied music courses.

Graduating seniors must present an individual or joint recital as a partial requirement for graduation.

171. Class Woodwind

A concentrated study in fundamentals and playing techniques for Flute, Oboe, Clarinet, Saxophone, and Bassoon. Spring. Credit, 1 semester hour.

172. Class Brass

A concentrated study in fundamentals and playing techniques for Trumpet, Cornet, French Horn, Trombone, Baritone Horn, and Tuba. Fall. Credit, 1 semester hour.

181, 182. Class Piano I and II

A concentrated group study of fundamentals and playing techniques for beginners. Fall, spring. Credit, 1 hour each semester.

191, 192. Class Voice I and II

A concentrated group study of fundamentals and singing techniques for vocal development. Fall, spring. Credit, 1 hour each semester.

205, 206. Class Strings I and II

A concentrated study of the fundamentals and playing techniques of the orchestral stringed instruments. Fall, spring. Credit, 1 hour each semester.

271. Class Percussion

A concentrated study in fundamentals and playing techniques of percussion instruments. Fall. Credit, 1 semester hour.

PERFORMING ORGANIZATIONS

100, 101; 200, 201; 300, 301; 401, 402. Concert Choir

The Concert Choir is open to all men and women regardless of planned major with permission of the director. The Choir appears in public concerts throughout the year. Fall, spring. Credit, 1 hour each semester.

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

The University Band is open to all men and women regardless of planned major with permission of the director. Public appearances are made in both parades and concerts. Fall, spring. Credit, 1 hour each semester.

In addition to the more serious music-oriented performing groups, the Pembroke State University Singers and Swingers offer a performing medium for those students, music majors or general, who are interested in learning and performing popular and jazz music. Membership in these groups usually comes from the larger performing groups, but students may enroll with permission from the director. Fall, spring. No credit is given for these groups.

209. **Basic Music for the Elementary Teacher**
 Restriction: Not open to music majors
 A course for elementary education majors in the fundamentals of music. Fall, spring. Credit, 3 semester hours.
24. **Musical Experiences for Young Children**
 Restriction: Not open to music majors
 Prerequisite: Music 209 or by advanced placement
 A course designed to present methods and media of teaching classroom music, K-3. Fall, spring. Credit, 3 semester hours.
15. **Music in the Classroom, Grades 4-9**
 Restriction: Not open to music majors
 Prerequisite: Music 209 or by advanced placement
 A course designed to present various methods and media of teaching classroom music, grades 4-9. Spring. Credit, 3 semester hours.
00. **Music Education in the Secondary School**
 A study of organization and procedures in general music classes and vocal performing groups in senior high school. Spring. Credit, 3 semester hours.
05. **Music Education Grades K through nine (K-9)**
 A study of organization and procedures used in general music classes for the elementary and junior high schools. Fall. Credit, 3 semester hours.
20. **Public School Instrumental Music**
 A study of materials and methods used in building instrumental programs beginning in the elementary school and continuing through high school. Fall. Credit, 3 semester hours.

PHILOSOPHY AND RELIGION

Head: ROBERT K. GUSTAFSON

THOMAS H. GUERRY
 RUTH MARTIN

P. ALBERT STUDDARD

Philosophy and Religion have long been considered integral parts of the liberal arts program. The courses presented here are planned to give the inquiring student an introduction to these loadening disciplines, the means whereby the significance of various disciplines can be interpreted and a way of viewing, understanding and resolving some of the conflicts and issues in modern culture.

These courses prepare the student to take an active part in his community activities or in planning for graduate study. Students interested in teacher certification should discuss their interests with the Head of the Department. In order to help fulfill the aims

of the individual student, courses are to be selected in conference with any member of the department. Specialty concentrations in Philosophy and Religion are possible.

Any 100 and 200 level course in the department of Philosophy and Religion may be used to meet a Basic Studies requirement in the Humanities area.

COURSES

I. PHILOSOPHY

GENERAL

100. 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. Fall, spring, summer. Credit, 3 semester hours.

102. Perspectives on Man (Religion 102)

A study of the dominant understandings of man. Philosophical, religious, scientific, and literary sources are read and discussed. Fall, spring. Credit, 3 semester hours.

HISTORY

312. Ancient and Medieval Philosophy

A study of the development of western philosophy in terms of major thinkers and movements from the pre-socratic Greeks through medieval scholasticism. Fall. Credit, 3 semester hours.

313. Modern Philosophy

A study of the development of western philosophy in terms of major thinkers and movements from late medieval thought through the mid nineteenth century. Fall. Credit, 3 semester hours.

314. Contemporary Philosophy

A study of the selected movements in contemporary philosophy, such as pragmatism, linguistic analysis, existentialism and phenomenology. Fall. Credit, 3 semester hours.

LOGIC

101. Introduction to Logic

A study of the principles and basic patterns of correct thinking. Fall, spring. Credit, 3 semester hours.

PHILOSOPHY AND CULTURE

202. Philosophy of Religion

An inquiry into the philosophical foundations of religion, the problem connected with belief and knowledge, faith and reason, the character and meanings of religious commitment. Spring. Credit, 3 semester hours.

04. **Introduction to Ethics**
An attempt to answer the question: What is the good life? Emphasis is placed on methods of approaching the problems raised as they involve the individual and society. Spring. Credit, 3 semester hours.
05. **Social and Political Philosophy**
Studies of opposing philosophical views about man and the foundations of political and social life. Spring. Credit, 3 semester hours.
21. **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. Credit, 3 semester hours.
23. **Aesthetics**
A study of aesthetic values in nature, art, literature, music, and architecture. Fall. Credit, 3 semester hours.

METAPHYSICS AND EPISTEMOLOGY

00. **Metaphysics**
A study of the classical attempts to answer the most basic questions about the nature of reality. Alternate spring semesters. Credit, 3 semester hours.
01. **Epistemology**
A study of philosophical problems concerning knowledge and belief. Sample topics: perception, certainty, memory, self-knowledge. Alternate spring semesters. Credit, 3 semester hours.
40. **Seminar or Colloquium in Philosophy**
An examination of selected philosophers, philosophical movements, problems, or major ideas to be selected each term the course is presented. The course may be repeated for credit as long as there is no duplication of subject matter. Spring semester when offered. Credit, 3 semester hours.

II. RELIGION

GENERAL

12. **Perspectives on man (Philosophy 102)**
A study of the dominant understandings of man. Philosophical, religious, scientific, and literary sources are read and discussed. Fall, spring. Credit, 3 semester hours.
10. **Introduction to Religion**
An introduction to the methods and theories appropriate to the study of religion, and an analysis of definitions and functions of religion in society. Fall. Credit, 3 semester hours.

BIBLICAL

13. **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. 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. Credit, 3 semester hours.

211. Survey of the Old Testament

A study of the Covenants in Israel, of the rise and fall of the Hebrew nations under the judges and kings, of the religious development of the people as written in the literature of these periods. Fall. Credit, 3 semester hours.

212. Survey of the New Testament

A study of the origins and development of Christianity from Jesus Christ through the first century with emphasis on the writings of that age in correlation with the history of the Roman Empire. Spring. Credit, 3 semester hours.

313. Literature of Man's Origins

A study of man's early religious literature found in the Bible and other sources. Alternate fall semesters. Credit, 3 semester hours.

317. Biblical Poetry

A study of poetic literature found in the Old Testament, The Apocrypha, and the New Testament. Alternate fall semesters. Credit, 3 semester hours.

318. Apocalyptic Literature

A study of apocalyptic literature of the Old and New Testaments with emphasis on the historical, religious and psychological backgrounds. Alternate spring semesters. Credit, 3 semester hours.

ARCHAEOLOGY AND GEOGRAPHY

111. Cultural and Historical Geography of Bible Lands

An introductory study of the environment of man in Biblical times, with emphasis on the geographic factors as they related to economic, political, and cultural problems. Alternate spring semesters. Credit, 3 semester hours.

220. Archaeology of the Ancient World

A study of the civilization and culture in the Fertile Crescent from Sumer through Babylon in the Persian Empire. Alternate fall semesters. Credit, 3 semester hours.

221. Archaeology of the Classical World

A study of the civilization and culture in the Mediterranean area through the Greek, Hellenistic, and Roman periods. Alternate spring semesters. Credit, 3 semester hours.

RELIGIOUS HISTORY AND THOUGHT

209. Religion in American Life

A study of religious thought and groups in the United States, with

emphasis on the relationship of religion to American society. Alternate fall semesters. Credit, 3 semester hours.

338. History and Development of Christian Thought
(History 338)

A study of selected men, movements, and ideas that have contributed to the development of Christianity after Paul to the 20th century. Alternate spring semesters. Credit, 3 semester hours.

RELIGION AND CULTURE

214. Religion and Society

A study of the ethical teachings of Christianity as they relate to problems raised in contemporary society. Alternate spring semesters. Credit, 3 semester hours.

310. Sects, Cults, and Religious Movements in America
(Sociology 310)

A study of the origins, growth, beliefs and practices of sects, cults, and religious movements in America. Alternate fall semesters. Credit, 3 semester hours.

404. Psychology of Religion

A study of the many psychological aspects of religion and their meaning for personality development, and an examination of the religious consciousness in relation to such topics as mysticism, conversion, belief, and myth interpretation, conducted in the light of contributions from depth psychology, cultural anthropology, and theology. Alternate spring semesters. Credit, 3 semester hours.

COMPARATIVE RELIGIONS

213. American Indian Religions

A study of the development of the religious beliefs and practices of American Indians. Alternate spring semesters. Credit, 3 semester hours.

216. Religions of the Far East

A study of the historical development and teaching of Hinduism, Buddhism, Confucianism and Shintoism. Offered in alternate years in sequence with 217 and 218. Credit, 3 semester hours.

217. Judaism

An examination of the history, literature and faith of Post-Exilic Judaism. Offered in alternate years in sequence with 217 and 218. Credit, 3 semester hours.

218. The Religions of the Near East

A study of the historical development and teachings of the religions of the Near East with emphasis on Islam, Zoroastrianism, and B'ahatism. Offered in alternate years in sequence with 217 and 218. Credit, 3 semester hours.

30. World Religions Seminar (Geography 430)

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 university supervised tour of these areas and a seminar, including predeparture orientation, en route lectures, and a formal resume. TBA. Credit, 3 semester hours.

SPECIAL STUDIES IN RELIGION

420. Special Studies in Religion

A study of selected religious problems, themes, issues or topics to be selected each term the course is presented. Possible course topics are: Religion in the South, issues in Religion and Science, Religious and Philosophical Ideas in Literature. Alternate spring semesters. Credit, 3 semester hours.

PHYSICAL SCIENCE

Head: JOHN S. WALLINGFORD

GERALD C. BORLAND
ANDREW RANSOM

HAROLD J. TEAGUE
HOWARD D. TYNER

The physical sciences embody an impressive amount of knowledge.

Much more impressive however, is the fact that all of this knowledge is (believed to be) reducible to a very few underlying principles. Study leading to understanding of these principles can be tremendously rewarding because opportunities to relate them to everyday observations (demonstrate their relevance) are abundant.

Additionally, by learning of the agony and the ecstasy encountered during discovery of the principles, some of the techniques of establishing and testing laws and theories are introduced.

Offerings of the department currently include a major program in Chemistry and specialty concentration programs in Chemistry, Geology and Physics. Interdepartmental programs such as General Science, Environmental Science, etc., may also receive departmental approval.

Requirements for a Bachelor of Science Degree in Chemistry

	Sem. Hr.
Basic Studies (pp. 47)	45
Major Requirements	
Chemistry 100, 101; 200, 201; 300, 301; 410, 411	
Physics 100, 101, or 200, 201	
Mathematics 107 and 108 or equivalent; 221, 222	46-52
Electives	23-29

Requirements for a Bachelor of Science Degree in Chemistry with Certification by the State to Teach Chemistry at the Secondary Level

	Sem. Hrs.
Basic Studies (pp. 47)	45
Major Requirements	
Chemistry 100, 101; 200, 201; 300, 301; 410, 411	
Physics 100, 101, or 200, 201	
Mathematics 107 and 108 or equivalent; 221, 222	46-52
Professional Education Requirements	
Education 227, 400, 445, 448; Ed. Psy. 202, 208	21
Electives	2-8
	120

COURSES

PHYSICAL SCIENCE

- 00, 101. Development of Physical Thought
Prerequisites: None for 100, 100 for 101
How the physical sciences came to be what they are. The contributions of the Ancient Greeks, Aristotle, Copernicus, Kepler, Galileo, Newton, Joule, Dalton, Avogadro, Maxwell, Rutherford, Curie, Planck, DeBroglie, Einstein, and others unfold within the social and mental climate of their times. Fall, spring, summer. Credit, 3 semester hours each.
05. Physical Science for Elementary Teachers
A study of man's knowledge of the world in which he lives. The essentials of Chemistry, Physics, Geology, and Astronomy. A lab included. Fall, spring, summer. Credit, 4 semester hours.
07. Photography
Photography is both an aid to scientific and technical achievement and a means for artistic expression. The course includes both "how to do it" and "why it works." A lab is included. Fall. Credit, 3 semester hours.

CHEMISTRY

- 00, 101. General Chemistry
Prerequisites: None for 100, 100 for 101
An introduction to the methods, materials and principles of inorganic chemistry and organic chemistry. A lab is included. Fall, spring, summer. Credit, 4 semester hours each.
07. History of Chemistry
Introduction to historical aspects of chemistry, with some scientific theories being examined in detail. As Announced. Credit, 3 semester hours.
10. Qualitative Analysis
Prerequisite: Chemistry 101

The principles and techniques required in qualitative separation and identification of inorganic cations and anions. A lab is included. Fall. Credit, 4 semester hours.

201. Quantitative Analysis

Prerequisite: Chemistry 200

The principles of gravimetric and volumetric analysis. Correct laboratory procedures stressed. A lab is included. Spring. Credit, 4 semester hours.

300, 301. Organic Chemistry

Prerequisite: Chemistry 101

The aliphatic and aromatic carbon compounds with special emphasis on structure, major reactions and reaction mechanisms. A lab is included. Fall, summer. Credit, 4 semester hours.

310. Biochemical Structure and Mechanism

Prerequisite: Chemistry 101

Atomic and molecular structure, as applied to organic and biological molecules. The concept of resonance and modern concepts of reaction mechanisms are introduced and are applied to biological reactions. As announced. Credit, 3 semester hours.

311. Biochemistry

Prerequisite: Chemistry 301 or 310

The chemical constitution of living matter. Biochemical processes as well as compounds are studied. As announced. Credit, 3 semester hours.

311L. Experimental Methods in Biochemistry

Prerequisite: Enrollment in, or completion of Chemistry 311

A student laboratory which deals with the experimental methods used in biochemistry. As announced. Credit, 1 semester hour.

410, 411. Physical Chemistry

Prerequisites: Two years chemistry, mathematics through calculus and consent of the instructor.

A theoretical and mathematical treatment of the fundamental laws and theories underlying the science of chemistry. A lab is included. Alternate fall semesters. Credit, 4 semester hours each.

416. Polymer Chemistry

Prerequisite: Chemistry 301

Principle types of polymers; current methods for carrying out polymerization; co-, block-, and graft-polymers; crosslinking of macromolecular chains; physical properties versus space structure of polymer molecules; polymers of the future. As announced. Credit, 4 semester hours.

418. Colloid Chemistry

Prerequisite: Chemistry 301

Classes of dispersions, classifications of colloids, principles involved in the formation of colloids, stabilities of colloidal systems, properties of colloidal dispersions, giant molecules, precipitations of colloids, some colloidal systems within the human body. As announced. Credit, 4 semester hours.

499. Independent Study in Chemistry

Prerequisite: Consent of Department Head

Individual research in advanced areas of Chemistry. Offered for Chemistry majors only. Fall and spring. Credit, 1 to 3 semester hours.

GEOLOGY**100. Physical Geology**

An introduction to physical geology. Rocks and minerals, geological processes such as erosion and the development of land forms, volcanic activity, earthquakes, and oceans. Textbook and lab manual required. Fall, spring, summer. Credit, 3 semester hours.

100L. Physical Geology Lab.

Prerequisite: Current enrollment in or completion of Geology 100.

A lab which complements study of rocks, minerals, and topographic maps. As announced. Credit, 1 semester hour.

101. Historical Geology

A previous course in physical geology is helpful, but is not required. An introduction to the history of the earth from its formation up to the present time, geologic time, fossils, development and evolution of plants and animals. Spring. Credit, 3 semester hours.

101L. Historical Geology Lab.

Prerequisite: Current enrollment in or completion of Geology 101

A lab for the study of plant and animal fossils, environments of deposition, geologic maps. As announced. Credit, 1 semester hour.

115. Earth and Atmosphere

An introduction to the processes that control the seasons, the atmosphere, the weather, the wind systems of the world, the oceans. Some of the basics of volcanic activity, earthquakes, formation of rocks and minerals, are included. Fall, spring, summer. Credit, 3 semester hours.

115L. Earth and Atmosphere Lab.

Prerequisite: Current enrollment in or completion of Geology 115.

A lab for the study of earth heating processes, time zones, topographic maps, and a few of the common rocks and minerals. As announced. Credit, 1 semester hour.

246. 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. As announced. Credit, 3 semester hours.

246. Climatology (Geography 246)

The same course as Geography 246. Credit, 3 semester hours.

246. Astronomy

The solar system, identification and locations of stars and constellations, stellar evolution, the Milky Way, extragalactic systems, theories about the origin and nature of the universe. Spring. Credit, 3 semester hours.

366. Geomorphology

Prerequisite: Geology 101

Advanced study of land forms, with emphasis on dynamic processes fluvial, solution, marine, glacial, eolian, and volcanic. Review of early and recent concepts and theories. Analysis and interpretation of local and regional land forms. As announced. Credit, 3 semester hours.

PHYSICS**100, 101. Elementary Physics**

Prerequisites: None for 100, 100 for 101

Introduction to mechanics, properties of matter, light, sound, heat, electricity, and magnetism. Fall, summer. Credit, 3 semester hours each.

116. Introductory Applied Physics

Machines, materials, forces and their effects, heat and heating, air conditioning, humidity and dehumidifiers, electricity and electrical appliances, light and lighting. As announced. Credit, 2 semester hours.

200, 201. Physics

Prerequisites: Math 221 for 200, Physics 200 for 201

A more thorough treatment of the subject than the elementary sequence offers. As announced. Credit, 3 semester hours each.

206, 207. Physics Laboratory

Prerequisites: For 206, enrollment in, or completion of Physics 100 or 200. For 207, enrollment in, or completion of Physics 101 or 201

A student laboratory to complement and reinforce the physical relationships discussed in the lecture classes. Fall, spring, summer. Credit, 1 semester hour each.

218. Optics

Prerequisite: Physics 101 or 201. Calculus is recommended.

Basic phenomena of geometrical and physical optics, including polarization. Optical instruments, their uses and limitations. A lab is included. As announced. Credit, 3 semester hours.

225. Electronics

Prerequisite: Physics 101 or 201. Calculus is recommended

A study of A.C. circuitry, electron tubes, transistors, and basic circuits with an introduction to troubleshooting. A lab is included. As announced. Credit, 4 semester hours.

256. Modern Physics

Prerequisite: Physics 101 or 201

A survey of the physics of the 20th century. The fundamental ideas of the theory of relativity and quantum mechanics via the anomalies that led to their formulation. As announced. Credit, 3 semester hours.

256L. Modern Physics Laboratory

Prerequisite: Enrollment in, or completion of Physics 256

A student laboratory to complement and reinforce the concepts discussed in the modern physics course. As announced. Credit, 1 semester hour.

306. Statics

Prerequisites: Physics 101 or 201, Math 222

Forces and their effects. Machines and structures, the forces on them. Properties of materials, and the effect of application of forces to them. As announced. Credit, 3 semester hours.

307. Mechanics

Prerequisites: Physics 101 or 201, Math 222

Behavior of things and techniques for determining it. Lagrange's and Hamilton's formulations of mechanics. As announced. Credit, 3 semester hours.

320, 321. Electricity and Magnetism

Prerequisites: Physics 101 or 201 and working knowledge of calculus for 320, 320 for 321

Electrostatics, magnetic and electric fields, capacitance, inductance, electric machinery and meters. As announced. Credit, 3 semester hours each.

320L, 321L. Electricity and Magnetism Lab

Prerequisites: Enrollment in or completion of Phys. 320, 321

A student laboratory to complement and reinforce the concepts discussed in the lecture course. As announced. Credit, 1 semester hour each.

326. Heat and Temperature

Prerequisites: Physics 100 or 200 and a working knowledge of calculus

Heat and its effects. Heat engines and their limitations. The concepts of Entropy and other facets of Thermodynamics. As announced. Credit, 3 semester hours.

336. Mathematical Physics

Prerequisite: A working knowledge of calculus

Three dimensional vector and tensor calculus. Green's and Stoke's theorems. Vector spaces, linear independence, orthogonality, hermitian and unitary operators. Eigenvalues and eigenvectors of operators, function spaces as vector spaces, and elements of the theory of distributions. As announced. Credit, 3 semester hours.

400, 401. Quantum Mechanics

Prerequisites: Physics 101 or 201 and a working knowledge of calculus for 400, 400 for 401

The reasons requiring formulation of a quantum theory. Its formulation as a wave equation (Schroedinger) and several solutions of that equation including the hydrogen atom. Uncertainty and complementarity and some of the current controversy over interpretations of the theory. As announced. Credit, 3 semester hours each.

410, 411. Theory of Relativity

Prerequisites: Physics 101 or 201, Math 221 for 410, 410 and Math 222 for 411

Events leading to the formulation of the special theory. The theory, its consequences, and some of its apparent "paradoxes." History of the general theory. The theory, some of its results, and difficulties. As announced. Credit, 3 semester hours each.

416. Statistical Mechanics

Prerequisite: Physics 326

Kinetic theory and statistical interpretation of the laws of thermody-

namics. The power of statistics to predict, unbelievably accurately, the overall behavior of a large number of things although almost nothing is known of the behavior of each. As announced. Credit, 3 semester hours.

448. Special Topics

Prerequisites: Physics 101 or 201, Math 222

Individual study either of subject matter in existing courses (in more depth) or of subjects for which there is no present formal course. As announced. Credit, 1-3 semester hours.

POLITICAL SCIENCE

Head: CHANG H. CHO

MIN-CHUAN KU

GIBSON GRAY

Political science is the systematic study of politics. Politics is a social phenomenon; a pattern of interaction among men living in groups. Men have conflicting notions about which values are important and about how a society should distribute its valued resources. To avoid anarchy, a government is created to make decisions about the distribution of its valued resources among people. Politics is both the conflict of demands and the process by which these conflicting demands are adjusted.

The Department of Political Science aims to provide political science students with an educational background which will prepare them for a wide range of career opportunities and which will be desired by prospective employers from the fields of Law, Foreign Service, Public Administration, Journalism, "Practical Politics," and College Teaching.

Requirements for a Bachelor of Arts Degree in Political Science

	Sem. Hrs
Basic Studies (pp. 47)	45
Major Requirements	
Political Science 100, 101, 200, and twenty-one additional semester hours of political science.	30
Electives	45
	120

Requirements for a Bachelor of Arts Degree in Political Science with Certification by the State to Teach Social Studies in the Public Schools

	Sem. Hrs
Basic Studies (pp. 47)	45
Major Requirements	
Political Science 100, 101, 200, and twenty-one additional semester hours of political science. Twelve semester hours from the	

areas of Economics, Geography, History, and Sociology.	42
Professional Education Requirements	
Education 227, 400, 445, 448; Ed. Psy. 202, 308.	21
Electives	12
	<hr/>
	120

COURSES

POLITICAL THEORY, PHILOSOPHY, AND
METHODOLOGY

- 100.** Introduction to Political Science
Definitions of political science, approaches and frameworks in the discipline of political science, a consideration of political science as a profession, and an overview of the fields of study in political science. Fall, spring. Credit, 3 semester hours.
- 200.** Introduction to Research in Political Science
Prerequisite: Political Science 100
An overview of political and social science methodologies and an introduction to quantitative analysis for political science. Fall or spring. Credit, 3 semester hours.
- 350.** Political Thought
Prerequisite: Political Science 100
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) government and their respective merits and defects. Fall or spring. Credit, 3 semester hours.
- 499.** Independent Study in Political Science
Directed reading and research under the guidance of the instructor in a specific area or problem in political science. Scheduled only for Senior Political Science Majors with the approval of Head of Department. Fall or spring. Credit, 1-3 semester hours.

AMERICAN GOVERNMENT AND POLITICS

- 101.** American National Government
An introductory study of: (1) the basic concepts of political science, (2) the 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, spring. Credit, 3 semester hours.
- 201.** American State and Local Government
Prerequisite: Political Science 100
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. Credit, 3 semester hours.

205. Legislative Process in the United States

Prerequisite: Political Science 100

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 the 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. Credit, 3 semester hours.

301. Political Parties and Interest Groups In the United States

Prerequisite: Political Science 100

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. Credit, 3 semester hours.

305. Public Opinion and Lobbying

Prerequisite: Political Science 100

A study of public opinion and lobbying. Spring. Credit, 3 semester hours.

310. Constitutional Law

Prerequisite: Political Science 100

A study of (1) the federal system, especially the relations between the nation and the States, (2) the jurisdiction of the federal courts and (3) individual rights. Fall or spring. Credit, 3 semester hours.

315. Politics of Minority Groups

Prerequisite: Political Science 100

A study of the styles of political behavior of groups which have been discriminated against in the U.S. because of their color, creed, or national origin. Examination will be made of the origin and content of the styles and of their implications for American democracy. Fall or spring. Credit, 3 semester hours.

401. Problems in American Government

Prerequisite: Political Science 100

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

402. Seminar in American Government

Prerequisite: Political Science 100

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

PUBLIC ADMINISTRATION**210. Principles of Public Administration**

Prerequisite: Political Science 100

A study of general principles and problems of administrative organization in governments; federal, state, and local. The role, relation-

ships, processes, and control of governmental institutions, in the political context, with special emphasis on the American experience, will be surveyed. Fall or spring. Credit, 3 semester hours.

320. Comparative Public Administration

Prerequisite: Political Science 100

Examination and analysis of the administrative systems of foreign governments of selected Western and non-Western countries; attention to practices applicable to administration in the United States. Fall or spring. Credit, 3 semester hours.

COMPARATIVE GOVERNMENT AND POLITICS

220. Comparative Government

Prerequisite: Political Science 100

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, and Great Britain, (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 confederate governments, the presidential and parliamentary governments, and the authoritarian and democratic governments. Fall or spring. Credit, 3 semester hours.

230. Soviet Government

Prerequisite: Political Science 100

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. Credit, 3 semester hours.

240. Governments and Politics of the Far East

Prerequisite: Political Science 100

An examination of the indigenous ideas, institutions, and behavior of the political systems in the Far East with emphasis upon contemporary China, Japan, and Korea. Fall or spring. Credit, 3 semester hours.

384. History of Latin American Political Institutions

(History 384)

Prerequisite: Political Science 100

An examination of political institutions and types of governments in selected Latin American countries since independence. Fall or spring. Credit, 3 semester hours.

INTERNATIONAL ORGANIZATION, RELATIONS, AND LAW

50. International Organization

Prerequisite: Political Science 100

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 (4) the general concepts of the regional arrangements such as: NATO, the OAS, the SEATO, etc. Fall or spring. Credit, 3 semester hours.

260. International Politics and Relations

Prerequisite: Political Science 100

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, and (9) standards of international conduct, (10) economic development and political advancement of the developing peoples. Fall or spring. Credit, 3 semester hours.

270. International Relations in the Far East

Prerequisite: Political Science 100

An analysis of the foreign policies of China, Japan, and other Asian states involved presently or potentially in global conflicts with special attention to the United State's role in the area. Fall or spring. Credit, 3 semester hours.

330. International Law

Prerequisite: Political Science 100

A study of (1) the general conception of international law (2) the subjects of international law (3) objects of international law (4) international transactions including the role of diplomatic agents and treaties and (5) peaceful settlement of international disputes. Fall. Credit, 3 semester hours.

340. The Law of War and Cold War

Prerequisite: Political Science 100

A study of (1) aggression neutrality, blockage and treatment of prisoners of war (2) War in general (3) Warfare and land (4) Warfare on sea (5) Air warfare (6) Prohibition of the manufacture and use of biological and chemical agents and other mass destruction weapons (7) control of American (8) Renunciation of war. Spring. Credit, 3 semester hours.

345. The U.S. and the Far East (History 345)

Prerequisite: Political Science 100

A study of the major factors and the processes concerning American involvement in the Far East from the Beginning of the Republic to the present; to include the nature of the international system in the Far East and changing American interests and policies in the Region. Fall or spring. Credit, 3 semester hours.

414. History of American Foreign Policy through 1898 (History 414)

Prerequisite: Political Science 100

A study of the major trends, issues, and problems in American diplomacy from the Colonial period to the Spanish-American War. Spring. Credit, 3 semester hours.

415. History of American Foreign Policy from 1898 to the Present (History 415)

Prerequisite: Political Science 100

A study of the major trends, issues, and problems in American diplomacy from the Spanish-American War to the present. Spring. Credit, 3 semester hours.

452. Problems in American Foreign Policy (History 452)

Prerequisite: Political Science 100

A study of major issues and problems in American foreign policy including tradition and other constant factors for policy making with major emphasis on the post-World War II period. Fall or spring. Credit, 3 semester hours.

PSYCHOLOGY*Head:* D.L. EASLEY

R.V. BEATTY

P.W. KILLIAN, JR.

K.K. RILEIGH

J.F. HUBBARD

B.H. LEVIN

The courses in the Psychology department are planned: (1) to impart an understanding of the basic principles and methods of psychology as a science, (2) to prepare majors for graduate study and (3) to help others prepare for careers in mental health.

Students who desire to develop a specialty concentration in psychology should see the Department Head for details.

THE PSYCHOLOGY LABORATORY

The psychology 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. It also provides advanced students with an opportunity to do research.

Requirements for a Bachelor of Science Degree in Psychology

	Sem. Hrs.
Basic Studies (pp. 47)	45
Major Requirements	
Psychology 101, 209, 210, 304, 305, 401 and fifteen additional semester hours of psychology and psychologically oriented course work.*	35
Electives	40
	120

Psychology majors who wish to use a psychologically oriented course in meeting the requirements for a major in psychology must obtain the written approval of the Head of the Psychology Department prior to enrolling in the course.

COURSES

101. Introductory Psychology

A systematic survey of the areas of psychology. Fall and spring. Credit, 3 semester hours.

204. Psychology of Adjustment

Prerequisite: Psychology 101

Analysis of principles by which patterns of adjustment are learned and their application to the emotional and social problems of the individual. Fall. Credit, 3 semester hours.

205. Developmental Psychology

Prerequisite: Psychology 101

A survey of the psychological development of the child through adolescence. Spring. Credit, 3 semester hours.

209. Research Design and Analysis I

Prerequisite: Psychology 101

An introduction to elementary research design and statistical procedures used to analyze research data. Fall. Three lectures and one lab weekly. Fall. Credit, 4 semester hours.

210. Research Design and Analysis II

Prerequisite: Psychology 101 and 209

A continuation of Psychology 209. Included will be more advanced design and statistics. Emphasis will be placed on actually carrying out research and analyzing the data. Spring. Credit, 4 semester hours.

212. Industrial Psychology

Prerequisite: Psychology 101

Survey of the applications of psychological principles and of research methodology to the various human problems in industry. Spring and summer. Credit, 3 semester hours.

213. Human Learning and Complex Processes

Prerequisite: Psychology 101

An overview of the psychological principles and techniques of investigation involved in the learning and retention of verbal and motor skills; and thinking, problem solving, and concept formation. Fall. Credit, 3 semester hours.

297. Current Topics Seminar

Prerequisite: Psy 101

Comprehensive treatment of selected topics in psychology. Content will vary from year to year, depending on interests of participants. Each participant will be expected to prepare a major review paper. Offered as required. Credit, 3 semester hours.

298. Research Seminar

Prerequisite: Psy 101, permission of instructor

Formal seminar on topics of students' choice. Student will be expected to do relevant library research, design studies and present both in oral and in written form the work they have done. Major emphasis will be on developing the ability to intelligently criticize research reports. (May be taken for a total of up to 12 hours spread over more than one semester. Amount of credit given will be agreed upon prior to registration.)

tion, and will depend on the magnitude of the topic chosen.) Offered as required. Credit, 1-6 semester hours.

299. Supervised Research

Prerequisites: Psy 101, 298, permission of instructor

Students will collect, analyze and write for publication data relevant to the hypotheses they have previously developed in psychology 298. (May be taken for a total of up to 12 hours spread over more than one semester. Amount of credit given will be agreed upon prior to registration, and will depend upon the magnitude of the project chosen.) Offered as required. Credit, 1-6 semester hours.

304. History and Systems of Psychology

Prerequisite: Psychology 101

A study of the major psychological concepts in ancient and early modern thinking. Fall. Credit, 3 semester hours.

305. Advanced Theory and Method: Learning

Prerequisites: Psychology 209, 210

Advanced level course emphasizing current problems which are being attacked experimentally and theoretically. Fall. Credit, 3 semester hours.

306. Advanced Theory and Method: Motivation

Prerequisites: Psychology 209, 210, and 305

Advanced level course emphasizing problems which are being attacked experimentally and theoretically. Spring. Credit, 3 semester hours.

307. Animal Behavior

Prerequisite: Psychology 101

The principles of behavioral organization, exploration, aggression, the role of early experience, and communication. Fall. Credit, 3 semester hours.

308. Population Regulation and Social Behavior

Prerequisite: Psychology 101

The psychological consequences of overpopulation, social structures and their relation to population regulation, determiners of sexual behavior and its sequelae. Spring. Credit, 3 semester hours.

309. Seminar on Psycholinguistics

Prerequisite: Psy 101

Current theories and research involving the acquisition and usage of language, psychology of word meaning, and other related topics. Spring or summer. Credit, 3 semester hours.

310. Psychology of Aesthetics

Prerequisite: Psy 101

A study of theories of aesthetics, the development of artistic tastes, and the psychology of preferences. The course draws upon material from literature, painting, sculpture, music, and drama. Spring or summer. Credit, 3 semester hours.

311. Physiological Psychology

Prerequisite: Psychology 101

A study of those aspects of physiology most relevant to psychological investigation. Spring. Credit, 3 semester hours.

402. Perception and Sensation
Prerequisite: Psychology 101
A study of sensation processes and perceptual phenomena. Spring
Credit, 3 semester hours.
403. Psychological Testing—Theory and Practice
Prerequisites: Psychology 101, 209
The administration, evaluation, and interpretation of psychological tests. Spring. Credit, 3 semester hours.
405. Abnormal Psychology
Prerequisites: Psychology 101, 204
The etiology, symptoms and therapy of behavior abnormalities. Spring
Credit, 3 semester hours.
407. Psychology of Personality
Prerequisites: Psychology 101, 205
The various theoretical approaches to the study of personality. Fall
Credit, 3 semester hours.
408. Mental Hygiene in School
Prerequisite: Psychology 101
A study of the influences within the school which affect the student's self-concept, motivation, and social-adjustment. Summer. Credit, semester hours.
411. Psychology of Exceptional Children
Prerequisite: Psychology 101
This course will examine the unique problems of behavior faced by exceptional children and which they present for those who work with them. Summer. Credit, 3 semester hours.
412. Psychology of Mental Retardation
Prerequisite: Psychology 101
The behavior problems confronting the mentally retarded and their families. Summer. Credit, 3 semester hours.
413. Advanced Psychological Testing
Prerequisites: Psychology 403, 405, and 407; and permission of Department Head.
Specific emphasis will be placed on the administration, scoring and interpretation of tests most commonly in use in Child Guidance and/or Mental Health services. Fall. Credit, 3 semester hours.
414. Practicum: Mental Health Service Experience
Prerequisites: Psychology 413, and permission of Department Head
Supervised administration and detailed interpretation of individual and group tests essential in various Mental Health settings. Spring
Credit, 3 semester hours.
416. Social Psychology
Prerequisite: Psychology 101 or Sociology 201
The role of social factors in the behavior of individuals and groups. Fall. Credit, 3 semester hours.
417. Introductory Clinical
Prerequisite: Psy 407
A study of the history and concepts of clinical psychology with a

emphasis upon the diagnostic and therapeutic theories and procedures and prototypic problems encountered in our society. Fall. Credit, 3 semester hours.

418. Introductory Counseling

Prerequisite: Psy 407

A study of theories, values, and techniques used in counseling, with practical applications such as interviewing, role playing, video tape sessions, and projects. Fall or spring. Credit, 3 semester hours.

499. Independent Study in Psychology

Directed readings and/or research, leading to the preparation of a paper or a supervised laboratory experiment. The course is exclusively for students of senior standing with a major in psychology. Fall or spring; by arrangement. Credit, 1 to 3 semester hours.

SOCIOLOGY AND GEOGRAPHY

Head: JOHN RIMBERG

ROBERT W. BIRCHFIELD

JAN MORRIS DAVIS

ELIZABETH H. H. KUO

DAVID V. MCQUEEN

JAMES E. RICKLEFS

THOMAS E. ROSS

GLORIA J. SWEET

EDWARD D. WATKINS

Applied sociology leads to opportunities in community development and town planning, occupational guidance and vocational rehabilitation, law enforcement and social justice, social work and social welfare, medical sociology and public health, etc.

The department offers a major in sociology, specialty concentrations in sociology, anthropology and geography, and opportunities to develop interdepartmental specialties in such areas as ethnic studies including American Indian Studies.

Elective courses related to sociology and anthropology and geography are available in other departments: for example, archeology courses in the Department of Philosophy and Religion; mass communications courses in the Department of Communicative Arts; geology courses in the Department of Physical Science; etc.

Students interested in these opportunities, career possibilities in sociology, anthropology or geography, recommendations about courses appropriate to career development, or information about certification as a public school teacher of social studies should contact the Department Head for details.

Requirements for a Bachelor of Arts Degree in Sociology

	Sem. Hrs.
Basic Studies (pp. 47)	45
Major Requirements	
Sociology 201 and thirty-three additional semester hours of sociology and/or anthropology.	36
Note: Only three of these ten courses may be counted toward the major: Sociology 110, 210, 310, 323, 334, 335, 359, 360, 433, 443.	
Electives	39
	120

Requirements for a Bachelor of Arts Degree in Sociology with Certification by the State to Teach Social Studies at the Secondary Level

	Sem. Hrs.
Basic Studies (pp. 47)	45
Major Requirements	
Sociology 201 and thirty-three additional semester hours of sociology and/or anthropology	
Note: Only three of these ten courses may be counted toward the major: Sociology 110, 210, 310, 323, 334, 335, 359, 360, 433, 443.	
Six semester hours from the areas of Economics, History, Geography, and Political Science	42
Professional Education Requirements	
Education 227, 400, 445, 448; Ed. Psy. 202, 308	21
Electives	12
	120

COURSES**I. SOCIOLOGY****METHOD AND THEORY**

101. Introduction to Modern Sociology
Recent developments in sociology, anthropology and social psychology
Social science and public issues. Fall or spring. Credit, 3 semester hours.
110. Introduction to Statistics (Mathematics 205)
The same course as Mathematics 205. Credit, 3 semester hours.
201. Sociological Concepts
Human society; relationship of society to personality and culture
development of group life and social environments. Required of sociology majors. Fall or spring. Credit, 3 semester hours.
210. Introduction to Computers (Mathematics 210)
The same course as Mathematics 210. Credit, 3 semester hours.

390. **Junior Seminar on Sociological Concepts**
An intermediate-level course in sociological method and theory, designed for students considering further study in the social sciences. Fall or spring. Credit, 3 semester hours.
398. **Directed Research I**
Written acceptance by a supervising faculty member is required, based on the student's written proposal. A copy of the proposal, together with the faculty member's acceptance, must be submitted for approval to the Department Head prior to registration. Fall and spring. Credit, 1 semester hour.
399. **Directed Research II**
Written acceptance by a supervising faculty member is required, based on the student's written proposal. A copy of the proposal, together with the faculty member's acceptance, must be submitted for approval to the Department Head prior to registration. Fall and spring. Credit, 2 semester hours.
490. **Senior Seminar on Sociological Concepts**
An advanced course in sociological method and theory, designed for students considering further study in the social sciences. Fall or spring. Credit, 3 semester hours.
499. **Independent Study in Sociology**
Restriction: Limited to seniors majoring in sociology whose overall cumulative quality point average is 2.5 or better.
Prerequisite: Acceptance by the department member who will supervise, and approval by the Department Head. A written proposal is required of the student in advance of preregistration.
Directed reading and research, leading to preparation of a report, to be cataloged in the University Library. Fall and spring. Credit, 3 semester hours.

COMMUNITY DEVELOPMENT

330. **Social Change in Modern Society**
Technological, ideological and social processes and transformations; invention and discovery; innovation and diffusion; social contact, culture shock, and accommodation; planned and unplanned change; cultural drift; functional and dysfunctional challenges and responses. Fall or spring. Credit, 3 semester hours.
331. **Population**
Demographic concepts and resources; population size, structure and distribution; in-migration, out-migration and other trends. Fall or spring. Credit, 3 semester hours.
332. **Rural-Urban Sociology**
Community development; human ecology and settlement; urbanization and suburbanization; city, town and community planning; local autonomy and regional planning. Fall or spring. Credit, 3 semester hours.

334. Principles of Ecology (Biology 304)
Prerequisite: Sociology 201
Restriction: Sociology majors only
Fall. Credit, 4 semester hours.
335. Public Opinion and Lobbying (Political Science 305)
Prerequisite: Sociology 201
Restriction: Sociology majors only
Spring. Credit, 3 semester hours.
336. Power and Influence
Social movements and institutionalized authority; charisma and legitimation; ideology and social structure; mass persuasion, propaganda and pressure groups. Fall or spring. Credit, 3 semester hours.
337. Military Sociology
Civilian-military relations; military government; social organization of the armed forces; leadership and morale; sociological aspects of military training; veterans' organizations. Fall or spring. Credit, 3 semester hours.
338. Social Stratification and Mobility
Horizontal and vertical segmentation; caste, class, estate, and pluralism; closed and open societies; social mobility. Fall or spring. Credit, 3 semester hours.
359. Settlement Geography (Geography 359)
Prerequisite: Sociology 201
Restriction: Sociology majors only
Fall or spring. Credit, 3 semester hours.
360. Urban Geography (Geography 360)
Prerequisite: Sociology 201
Restriction: Sociology majors only
Fall or spring. Credit, 3 semester hours.

GUIDANCE

103. Cultural Anthropology and Sociology in Education
Socio-cultural differences and similarities; regional and local aspects; socialization and enculturation; ethnic and linguistic factors; school-community relations; teaching problems and opportunities; classroom applications. Fall or spring. Credit, 3 semester hours.
303. The Family
Structure and functions of kin groups in societies; types of families; cooperation and conflict; the family in relation to other social institutions; mate selection, courtship and family relationships; stability and change. Fall or spring. Credit, 3 semester hours.
323. Language and Society (Communicative Arts 381)
Prerequisite: Sociology 201
Restriction: Sociology majors only
Spring. Credit, 3 semester hours.

333. **Schools and Universities in Modern Society**
Sociology of education; structure and functions of schools in societies; types of schools; cooperation and conflict; socialization, training and educational relationships; stability and change. Fall or spring. Credit, 3 semester hours.
433. **Introductory Counseling (Psychology 418)**
Prerequisite: Sociology 201
Restriction: Sociology majors only
Fall or spring. Credit, 3 semester hours.
443. **Personnel Management (Business Administration 408)**
Prerequisite: Sociology 201
Restriction: Sociology majors only
Spring. Credit, 3 semester hours.

LAW ENFORCEMENT

340. **Introduction to Criminology**
Deviance in society; structure and functions of social controls; law enforcement and crime prevention; rehabilitation of delinquents and criminals; prison reform, probation and other trends in social justice. Fall or spring. Credit, 3 semester hours.
341. **Juvenile Delinquency**
Prerequisite: Sociology 340
Social pressure, peer groups and gang behavior; alienated youth and anti-social conduct; treatment programs and community counter-measures; prevention of juvenile delinquency. Students spend one-third of course time in supervised field work. Fall or spring. Credit, 3 semester hours.
342. **Punishment and Correction of Criminals**
Prerequisite: Sociology 340
Imprisonment and other forms of punishment; the social organization of penitentiaries, jails and reformatories; probation and parole; corrections and treatment. Students spend one-third of course time in supervised field work. Fall or spring. Credit, 3 semester hours.
343. **Law Enforcement**
Prerequisite: Sociology 341 or 342
Policemen in society; organization of police forces; centralized police power versus organized crime; recruitment and training of law enforcement officials. Students spend two-thirds of course time in supervised field work. Fall or spring. Credit, 3 semester hours.
344. **Social Justice**
Prerequisite: Sociology 341 or 342
The sociology of law; changing concepts of justice; courts and other legal organizations in modern society; lawyers, judges and related occupations and professions. Students spend two-thirds of course time in supervised field work. Fall or spring. Credit, 3 semester hours.

440. Senior Seminar on Social Deviance and Counter-Measures
Prerequisite: Sociology 421 or 423
Restriction: Seniors only
Social pathology and treatment; deviant sub-cultures; social sources of deviant attitudes and behavior; visible and invisible deviance. Fall or spring. Credit, 3 semester hours.

SOCIAL WORK

346. Introduction to Social Work
Historical development of theories of social welfare; processes and specialties; personal and education requirements; social work methods; federal, state and community programs. Fall or spring. Credit, 3 semester hours.
347. Client Contact in Social Work
Prerequisite: Sociology 307 or 346
Casework and group procedures; resources available for social problem-solving. Students will spend one-third of course time in a local agency which applies field work techniques, under supervision of a trained social worker. Fall or spring. Credit, 3 semester hours.
348. Agency Procedures in Social Work
Prerequisites: Sociology 307 or 346
Methodology of social work administration and procedure; organization and analysis of casework data; interpretations based on use of scientific methods. Students will spend one-third of course time in a local agency to observe and apply methods under supervision of a trained social worker or social welfare administrator. Fall or spring. Credit, 3 semester hours.
349. Introduction to Field Work in Social Agencies
Prerequisite: Sociology 347 or 348 and permission of Department Head.
Applications of behavioral science theories in social agencies. Students will spend two-thirds of course time in a local agency which applies field work techniques, under supervision of a trained social worker. Fall or spring. Credit, 4 semester hours.
449. Advanced Field Work in Social Agencies
Prerequisite: Sociology 349 or 411 and permission of the Department Head
Continuation of Sociology 349 (formerly 411) at a more advanced level. Fall or spring. Credit, 4 semester hours.

MEDICAL SOCIOLOGY

370. Medical Behavioral Science
Prerequisite: Sociology 201
Introduction to medical sociology and related life sciences. Causes of disease; perceptions of illness; health-care selection; social factors in therapy; social consequences of illness. Fall or spring. Credit, 3 semester hours.

371. Medical Professions

Prerequisite: Sociology 370

Sociological analysis of occupational careers in medicine and allied health professions. National, regional and local allocations of medical manpower. Employment practices and trends. Changing roles of doctors, nurses, hospital administrators, pharmacists and para-medical practitioners. New developments in training programs and policies. Four all-day field trips, usually on Saturdays. Fall or spring. Credit, 3 semester hours.

372. Medical Organizations

Prerequisite: Sociology 370

Social aspects of hospitals, nursing homes, clinics, private medical practice, public health offices and health insurance organizations. Medical institutions for the armed forces and the veteran; occupational medicine; student health centers. Medical organizations for minorities, migrants and the poor. Non-profit and volunteer health groups. The national professional associations. The National Institutes of Health and the U.S. Public Health Service. Four all-day field trips, usually on Saturdays. Fall or spring. Credit, 3 semester hours.

373. Preventive Medicine and Public Health

Prerequisite: Sociology 370

Analysis of local community problems and opportunities for health-care activities. Sociological and technical aspects of health surveys, and screening for disease. Identification of opinion leaders and change agents for health-related community needs. Trends in medical care delivery systems. Field work is required of each student. Fall or spring. Credit, 4 semester hours.

74. Social Epidemiology

Prerequisite: Sociology 307, and 110 (or Mathematics 205)

Techniques for searching out causes of disease. Laboratory and field work is required of each student. Fall or spring. Credit, 4 semester hours.

75. Death and Sickness

Prerequisite: Sociology 370, and 110 (or Mathematics 205)

Social factors in morbidity and mortality. The patient and the "sick" role in society; preventive health behavior. Social-psychological aspects of death. Sociological factors in chronic illnesses. Field work is required of each student. Fall or spring. Credit, 4 semester hours.

DEMOLOGY AND SOCIAL PSYCHOLOGY**99. Social Problems in Modern Society**

The social costs of organized social life; problems in families, work groups, local communities, and modern nations; sociology of mental disorders, suicide, drug abuse, alcoholism, etc.; poverty and violence. Fall or spring. Credit, 3 semester hours.

**10. Sects, Cults and Religious Movements in America
(Religion 310)**

Prerequisite: Sociology 201

Restriction: Sociology majors only

Alternate fall semesters. Credit, 3 semester hours.

416. Social Psychology (Psychology 416)
Prerequisite: Sociology 201 or Psychology 101 or permission of the Department Head
Effects of social interaction on personality; collective attitudes and behavior; group experiences; fashions and fads; crowds, mobs and publics; social movements. Fall or spring. Credit, 3 semester hours.
417. Sociology of Religion (Religion 417)
Prerequisite: Sociology 201
Religious institutions and relationships in modern society. Fall or spring. Credit, 3 semester hours.

II. ANTHROPOLOGY

Anthropology involves method as well as subject-matter. The student is liberated from ethnocentrism and culture-bound stereotypes, through exposure to various facets of anthropology: applied, archeological, cultural, ethno-linguistic, ethnomethodological, and physical.

The department offers a specialty concentration in anthropology. Students interested in this should contact the Department Head for details.

355. Cultural Anthropology
Human ecology; relation between technology, religion, art, literature, language and personality development; contacts between cultures. Fall or spring. Credit, 3 semester hours.
356. Physical Anthropology
Archeology and paleontology of fossil human forms and their antecedents; racial diversity and classification of mankind as a species; anatomy and physiology in relation to behavior; social science implications of human nature; practical applications. Fall or spring. Credit 3 semester hours.
357. Field Techniques in Archeology (American Indian Studies 352)
Principles and methodology in North America; pleistocene dating stratigraphic analysis, and quantitative techniques. Students participate in site reconnaissance, mapping, excavation, and laboratory work. Fall or spring. Credit, 3 semester hours.
358. Archeology of North America (American Indian Studies 351)
Pleistocene ecology; origin and development of cultures; subsistence ceremonial life and personality development; interplay of Asian Mexican and other influences; reconstruction of extinct lifeways, with special attention to the Southeast. Fall or spring. Credit, 3 semester hours.
455. Advanced Cultural Anthropology
Prerequisite: Sociology 202, 203 or 355
Social and cultural anthropology; trends in cultural theory; social

structure and dynamics; ethnology and social institutions; comparative ethnography; ethno-linguistics; applied cultural anthropology. Fall or spring. Credit, 3 semester hours.

59. **Minority Groups**

Ethnic, religious, racial and other minorities; types of majority-minority relationships; social integration, segregation, discrimination and prejudice. Fall or spring. Credit, 3 semester hours.

III. GEOGRAPHY

Geography involves processes as well as description. The student develops an awareness of the components of geography: socio-cultural, economic, political, biotic and geological.

The department offers a specialty concentration in geography. Students interested in this should contact the Department Head for details.

01. **Principles of Geography**

The earth and environment of man; tools and techniques of geography. Recommended as preparation for more advanced courses, and required for a specialty concentration in geography. Fall or spring. Credit, 3 semester hours.

99. **Physical Geography**

Description, analysis and interpretation of physical patterns; the earth in space; land forms; surface configurations; climate; vegetation; soils. Fall or spring. Credit, 3 semester hours.

00. **Cultural Geography**

Concept of culture applied to the human environment. Geographical variations and evolution resulting from interaction between cultural and physical processes; culture and technological change; population; migration; cultural effects on perception of environment. Fall or spring. Credit, 3 semester hours.

02. **Regional Geography**

Survey of most countries and regions of the world. Relation of geographic factors to contemporary problems in world affairs. Fall or spring. Credit, 3 semester hours.

06. **Economic Geography (Economics 206)**

Location, development and distribution of major industries, agricultural products, and economic services. Fall or spring. Credit, 3 semester hours.

26. **Climatology (Geology 246)**

Scientific analysis and classification of climate data; climatic controls; geographic areas and their major types of climate. Fall or spring. Credit, 3 semester hours.

20. **Introduction to Cartography**

Concepts and skills of map and air-photo interpretation. Cartographic techniques and conventions for planning the use of terrain and resources. Fall or spring. Credit, 3 semester hours.

359. **Settlement Geography (Sociology 359)**
Geographic factors in location, organization and operation of rural and urban settlement. Historical approaches; location theory; hierarchies. Fall or spring. Credit, 3 semester hours.
360. **Urban Geography (Sociology 360)**
Spatial structures, forms and functions of urban settlements; size and spacing of towns and cities; arrangement of land uses; central business districts; poverty, blight and renewal; ports, transportation and hinterlands. Fall or spring. Credit, 3 semester hours.
371. **Africa**
Geographic factors as they affect the past, present and future of the African continent. Fall or spring. Credit, 3 semester hours.
372. **Anglo-America**
Climate, physical patterns, natural resources, agricultural and industrial development of Canada and the United States, including Alaska. Fall or spring. Credit, 3 semester hours.
373. **Asia**
Geography of the principal regions, with special attention to areas of significance in current world events. Fall or spring. Credit, 3 semester hours.
374. **Europe**
Regional approach emphasizing geographic factors that affected historical developments and recent trends. Fall or spring. Credit, 3 semester hours.
375. **Latin America**
Physical regions and political units of Central and South America and the Caribbean area. Geography as a factor influencing opportunities and limitations. Fall or spring. Credit, 3 semester hours.
376. **Soviet Union**
Development and location of agriculture and industry as influenced by geography—past, present and future. Fall or spring. Credit, 3 semester hours.
398. **Directed Research**
Written acceptance by a supervising faculty member is required based on the student's written proposal. A copy of the proposal together with the faculty member's acceptance, must be submitted for approval to the Department Head prior to registration. Fall and spring. Credit, 1 semester hour.
399. **Directed Research**
Written acceptance by a supervising faculty member is required, based on the student's written proposal. A copy of the proposal, together with the faculty member's acceptance, must be submitted for approval to the Department Head prior to registration. Fall and spring. Credit, 2 semester hours.
400. **Geography for Teachers**
Methods of teaching geography. Selection and arrangement of geographic

raphic materials for the classroom; teaching techniques, problems and opportunities; the aims of teaching geography; the role of geography in the schools. Textbooks, library equipment, maps and other study aids will be considered. Fall or spring. Credit, 3 semester hours.

30. Eastern Mediterranean Study Tour (Religion 430)
The same course as Religion 430. TBA. Credit, 3 semester hours.

**SUMMARY OF ENROLLMENT
1972-73**

SUMMER SESSION, 1972

First Term	1127
Second Term	853
Total number enrolled	1980

FIRST SEMESTER 1972-73

Freshmen	696
Sophomores	438
Juniors	449
Seniors	206
Part-Time	62
Continuing Education	102
Special	27
Total number enrolled	1980

**SECOND SEMESTER
1972-73**

Freshmen	393
Sophomores	374
Juniors	441
Seniors	470
Continuing Education	115
Special	31
Total number enrolled	1824

**DEGREES CONFERRED,
May, 1973 (Estimated)**

Bachelor of Science	232
Bachelor of Arts	98
Total number of degrees conferred	330

**PEMBROKE STATE
UNIVERSITY ENROLLMENT**

Men	106
Women	91
GRAND TOTAL	198
State Residents	188
Non-Residents	9

ENROLLMENT BY STATE

1. Alabama
2. Delaware
3. Florida
4. Georgia
5. Hawaii
6. Illinois
7. Iowa
8. Maryland
9. Massachusetts
10. Michigan
11. New Jersey
12. New York
13. North Carolina
14. Pennsylvania
15. Rhode Island
16. South Carolina
17. South Dakota
18. Tennessee
19. Virginia

ENROLLMENT BY COUNTIES OF NORTH CAROLINA

Alamance	10	Caldwell	
Anson	20	Carteret	
Avery	1	Caswell	
Beaufort	7	Catawba	
Bertie	3	Chatham	
Bladen	76	Cherokee	
Brunswick	—	Chowan	
Buncombe	1	Clay	
Burke	2	Cleveland	
Cabarrus	5	Columbus	

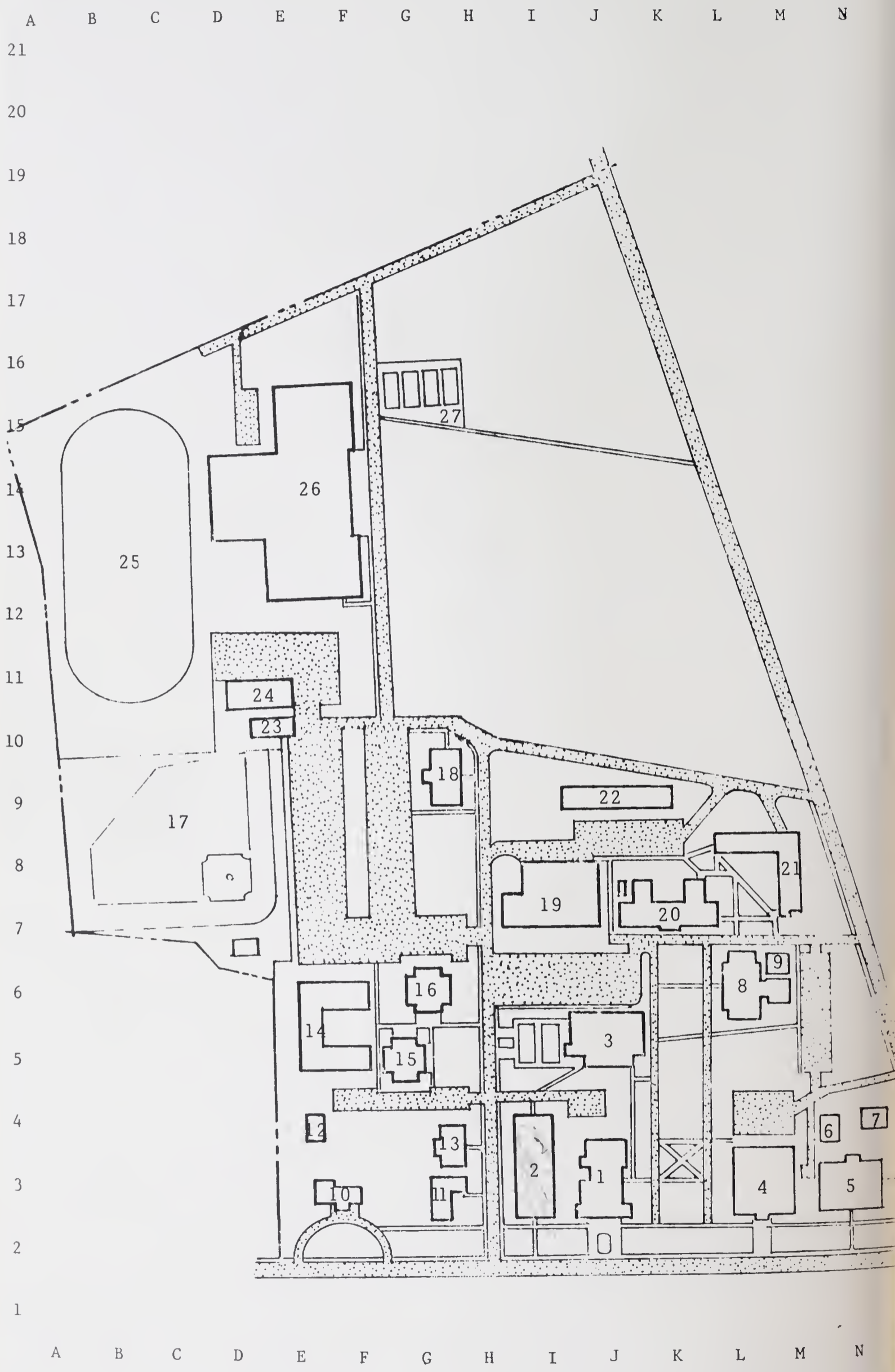
SUMMARY OF ENROLLMENT

raven	2	Moore	17
umberland	296	Nash	6
urrituck	1	New Hanover	3
avidson	5	Northampton	2
uplin	4	Onslow	13
urham	29	Orange	2
dgecombe	3	Pamlico	2
orsyth	15	Pasquotank	3
anklin	1	Pender	1
aston	1	Person	3
anville	4	Pitt	1
eeene	2	Randolph	12
uilford	29	Richmond	117
alifax	4	Robeson	754
arnett	27	Rockingham	4
oke	39	Rowan	4
edell	4	Rutherford	2
hnston	15	Sampson	14
nes	2	Scotland	125
le	7	Stanly	5
lnoir	1	Stokes	2
ncoln	5	Surry	1
Dowell	1	Union	4
acon	1	Wake	22
artin	1	Warren	1
ecklenburg	7	Wayne	7
itchell	1	Wilkes	—
ntgomery	18	Wilson	—
		Yadkin	1

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CAMPUS MAP

Key to Buildings

- 1. Sampson Hall (Administration Building) (J-3)
- 2. Mary Livermore Library (I-3)
- 3. Old Gymnasium (J-5)
- 4. Old Main (L-3)
- 5. Herbert G. Oxendine Science Building (N-3)
- 6. Environmental Building (N-4)
- 7. Green House (N-4)
- 8. Moore Hall (L-6)
- 9. Music Annex (M-7)
- 10. President's Home (F-3)
- 11. Home Economics Residence House (G-3)
- 12. Guest House (E-4)
- 13. Infirmary (G-4)
- 14. West Hall (Women's Dormitory) (F-5)
- 15. South Hall (Women's Dormitory) (G-5)
- 16. North Hall (Women's Dormitory) (G-6)
- 17. Baseball Field (C-9)
- 18. Business Administration Building (G-9)
- 19. D. F. Lowry Student Center and Cafeteria (I-8)
- 20. Locklear Hall (K-7)
- 21. Jacobs Hall (Men's Dormitory) (M-8)
- 22. Wellons Hall (Men's Dormitory) (J-9)
- 23. Receiving Depot (E-10)
- 24. Maintenance Shop (D-11)
- 25. Track (B-13)
- 26. English E. Jones Health and Physical Education Center (E-14)

