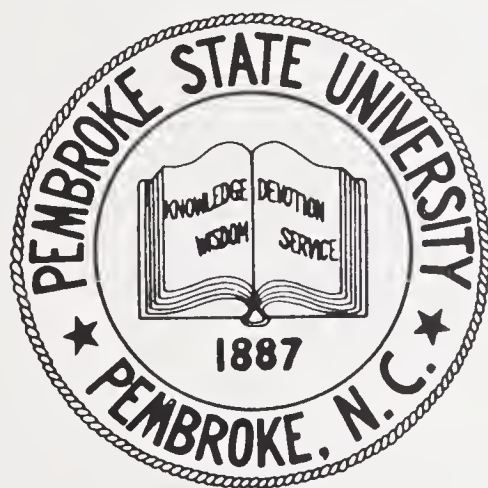




General Catalog

1972 - 1973

PEMBROKE STATE UNIVERSITY



**CATALOG
1972-1973**

Mailing address: Pembroke, North Carolina 28372

Main telephone number: Area Code 919, 521-4214

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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1972/73-
1975/76

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1972

JANUARY							APRIL							JULY							OCTOBER																																														
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1973

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14	15	16	17	18	19	20	15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21	14	15	16	17	18	19	20
21	22	23	24	25	26	27	22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28	21	22	23	24	25	26	27
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1974

JANUARY							APRIL							JULY							OCTOBER													
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						1	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	7	1	2	3	4	5	6	7		
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13	14	15	16	17	18	19	14	15	16	17	18	19	20	14	15	16	17	18	19	20	13	14	15	16	17	18	19	13	14	15	16	17	18	19
20	21	22	23	24	25	26	21	22	23	24	25	26	27	21	22	23	24	25	26	27	20	21	22	23	24	25	26	20	21	22	23	24	25	26
27	28	29	30	31	28	29	30	28	29	30	31																							

CALENDAR

1972-73

First Semester

August 20	Sunday, 8:00 a.m.—Dormitories Open for Freshmen
August 21	Monday, 9:00 a.m.—Freshman Orientation Program Begins, Dormitories Open for Upperclassmen
August 22	Tuesday, 8:00 a.m.—Registration
August 23	Wednesday, 8:00 a.m.—Classes Begin
August 29	Tuesday, 5:00 p.m.—Last Day to Add a Class, Last Day to Drop a Class without a Grade
September 4	Monday—Labor Day—Holiday
October 23	Monday, 5:00 p.m.—MIDSEMESTER; Last Day to With- draw from a Class with a “W” Grade
November 8	Wednesday, 10:00 a.m.—12:00 noon—Student Advisement for All Students Prior to Preregistration
November 13	Monday—Preregistration for Spring Semester
November 21	Tuesday, 5:00 p.m.—Thanksgiving Holidays Begin
November 27	Monday, 8:00 a.m.—Classes Resume
December 8	Friday, 5:00 p.m.—Classes End
December 11-15	Final Examinations
December 15	Friday, 5:00 p.m.—Christmas Vacation Begins
December 16	Saturday, 12:00 noon—All Dormitories Close

Second Semester

January 4	Thursday, 1:00 p.m.—All Dormitories Open
January 5	Friday, 8:00 a.m.—Registration
January 8	Monday, 8:00 a.m.—Classes Begin
January 12	Friday, 5:00 p.m.—Last Day to Add a Class, Last Day to Drop a Class without a Grade
February 19	Monday—Washington’s Birthday—Holiday
March 2	Friday, 5:00 p.m.—MIDSEMESTER; Last Day to With- draw from a Class with a “W” Grade
March 2	Friday, 5:00 p.m.—Spring Vacation Begins
March 3	Saturday, 12:00 noon—All Dormitories Close
March 11	Sunday, 12:00 noon—All Dormitories Open
March 12	Monday, 8:00 a.m.—Classes Resume
April 19	Thursday, 5:00 p.m.—Easter Holidays Begin
April 24	Tuesday, 8:00 a.m.—Classes Resume
April 25	Wednesday, 10:00 a.m.—12:00 noon—Student Advisement for All Students Prior to Preregistration
April 30	Monday—Preregistration for Fall Semester
May 3-4	Advance Registration for First Term of Summer Session
May 4	Friday, 5:00 p.m.—Classes End
May 7-11	Monday-Friday—Final Examinations
May 13	Sunday—Commencement
May 14	Monday, 12:00 noon—All Dormitories Close

Summer Session

FIRST TERM

May 27	Sunday, 12:00 noon—All Dormitories Open
May 28	Monday, 8:00 a.m.—Registration for First Term of Summer Session
May 29	Tuesday, 8:00 a.m.—Classes Begin
July 2	Monday—End of First Term of Summer Session

SECOND TERM

July 4 Wednesday, 8:00 a.m.—Registration for Second Term of
Summer Session
July 5 Thursday, 8:00 a.m.—Classes Begin
August 7 Tuesday—End of Second Term of Summer Session
August 8 Wednesday, 12:00 noon—All Dormitories Close

I. Trustees, Administration, and Faculty



ORGANIZATION OF THE 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
CHAVIS, ERNEST	Wakulla, N.C.	1979
DIAL, HERMAN	Pembroke, N.C.	1979
LITTLE, HAL W.	Wadesboro, N.C.	1973
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, Va.	1975
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 PRENTISS ODUM, A.S. *Director of Data Processing*
 L. MILES RAISIG, B.S., M.S.L.S. *Director of Library Services*

Department Heads

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ROBERT F. BRITT, B.A., M.A., Ph.D.	<i>Biology</i>
KARL A. SCHEELE, M.A., Ph.D.	<i>Business Administration</i>
NORMA JEAN THOMPSON, B.S., M.A., Ed.D.	<i>Business Education</i>
VICTOR W. WOLF, M.B.A.	<i>Economics</i>
L. L. MURRAY, B.A., M.A., Ed.D.	<i>Education</i>
RAYMOND J. RUNDUS, B.S., M.A., Ph.D.	<i>English</i>
THOMAS W. LOTT, B.A., M.A., Ph.D.	<i>Foreign Languages</i>
RAYMOND B. PENNINGTON, B.S., Ed.M., Ed.D.	<i>Health, Physical Educa- tion, and Recreation</i>
JOHN CHAY, A.B., A.M., A.M.L.S., Ph.D.	<i>History</i>
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HAROLD C. SLAGLE, B.M.E., M.M., Ed.D.	<i>Music</i>
ROBERT GUSTAFSON, B.A., M.D., Th.M., Th.D.	<i>Philosophy and Religion</i>
JOHN WALLINGFORD, B.Phys., M.Ed., M.S., Ph.D.	<i>Physical Science</i>
CHANG H. CHO, L.L.B., M.A., D.P.A.	<i>Political Science</i>
DAVID L. EASLEY, B.S., Ph.D.	<i>Psychology</i>
JOHN RIMBERG, B.A., M.A., Ph.D.	<i>Sociology and Geography</i>
KENNETH W. PAULI, B.A., M.A., Ph.D.	<i>Speech and Drama</i>

Office for Student Affairs

CHARLES R. GRIFFITH, B.S., M.A.	<i>Acting Dean of Student Affairs</i>
FAYE JONES, B.S., M.A.	<i>Assistant Dean of Student Affairs</i>
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W. MASON MATHEWS, B.A., M.A., Ph.D.	<i>University Counselor</i>

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WILLIAM S. CHESTNUT, C.P.A.	<i>University Accountant</i>
CAMMIE ALFORD	<i>Cashier</i>
JULIAN RANSOM, B.A.	<i>Purchasing Agent</i>
LEE E. NEVILLE	<i>Student Union Manager</i>
QUERLON CUMMINGS	<i>Supervisor, Mail Dept. and Central Supply and Duplicating</i>
HORACE BURNETTE	<i>Superintendent of Buildings and Grounds</i>
MARK H. HUCKERIEDE, M.D.	<i>University Physician</i>
EVA SAMPSON, R.N.	<i>University Nurse</i>
HAYNES DEESE	<i>Chief Security Officer</i>
LARRY STRICKLAND	<i>Director of Food Services</i>

THE FACULTY

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

1965

Assistant Professor of Business Administration

B.S., University of North Carolina

CHARLES D. BASS, Ph.D.

1971

Assistant Professor of Mathematics

B.S.; B.A., Carson-Newman College; Ph.D., University of Tennessee

GAIL BEGGS, M.A.

1970

Assistant Professor of Speech and Drama
B.A.; M.A., University of Arkansas

ROBERT W. BIRCHFIELD, A.B.

1967

Associate Professor of Sociology
A.B., University of Southern California; Ph.D. Candidate

CHARLES E. BISHOP, M.A.

1969

Instructor of Health and Physical Education
B.S.; M.A., East Carolina University

JAMES G. BLOODSWORTH, Ed.D.

1970

Associate Professor of Education
B.S.; M.Ed., Lamar University; Ed.D., McNeese State University

GERALD C. BORLAND, M.S.

1968

Associate Professor of Geology
B.A., Pennsylvania State University; M.S., University of Arizona

ROBERT FRANKLIN BRITT, Ph.D.

1960

Professor of Biology
B.A.; M.A.; Ph.D., University of North Carolina

ELLEN JANE BRYAN, M.A.E.

1970

Instructor of Health and Physical Education
B.S., Pembroke State University; M.A.E., East Carolina University

WILLIAM ROBERT BULLARD, Jr., M.A.

1966

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

LOREN LEONARD BUTLER II, M.A.

1966

Assistant Professor of History
B.A.; M.A., University of Arkansas

AVERY JOHN BUTTERS, Ph.D.

1965

Professor of History
A.B., Passionist Fathers Seminary; M.A.; M.Ed., Boston College;
M.S. in L.S., Catholic University of America; Ph.D., Fordham University

ROBERT E. CARLILE, Ph.D.

1971

Associate Professor of English
B.F.A.; M.A., University of Florida; Ph.D., University of Georgia

HARVEY L. CARNES, M.A.

1968

*Associate Professor of Sociology*A.B., Asbury College; B.D., Asbury Theological Seminary;
M.A., University of North Carolina**VIRGINIA MILLICENT CARRAWAY, M.A.**

1969

Instructor of Art

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

WILLIAM G. CARTER, Jr., Ph.D.

1969

Associate Professor of Biology

B.S., Davidson College; M.A.; Ph.D., Duke University

JOHN CHAY, Ph.D.

1969

Associate Professor of History

A.B.; A.M.; A.M.L.S.; Ph.D., The University of Michigan

CHANG H. CHO, D.P.A.

1968

*Associate Professor of Political Science*LL.B., Yonsei University; M.A., American University;
D.P.A., George Washington University**RHODA P. COLLINS, M.Ed.**

1967

Assistant Professor of Education

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

EDWIN WOOTEN CRAIN, M.A.

1965

Associate Professor of Physical Education

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

JAN MORRIS DAVIS, M.A.

1971

Instructor of Sociology

B.A., University of Houston; M.A., Texas Tech University

WILLIAM HOWARD DEAN, M.A.

1968

Associate Professor of Education

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

ADOLPH L. DIAL, Ed.M.

1958

Associate Professor of History and Political Science

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

WILLIAM L. DUDLEY, M.A.E.

1970

Instructor of Business Administration

B.S.; B.A.; M.A.E., East Carolina University

ALBERT DAREN DUNAVAN, M.A.

1965

Associate Professor of Speech and Drama
B.S.; M.A., University of Nebraska

DAVID L. EASLEY, Ph.D.

1971

Associate Professor of Psychology
B.S., Millsaps College; Ph.D., Vanderbilt University

JAMES BOYER EBERT, A.M.

1956

Associate Professor of Biology
B.S., Louisiana State University and A. & M. College;
A.M., Duke University

ANNIE MERLE ELAM, M.S.

1968

Assistant Professor of Home Economics
B.S., Pembroke State University; M.S., University of North Carolina

DAVID ELIADES, M.A.

1967

Assistant Professor of History
A.B., University of North Carolina; M.A., East Carolina University

HAROLD T. ELLEN, M.A.

1967

Assistant Professor of Physical Education
A.B., Elon College; M.A., East Carolina University

CARLOS J. EMANUEL, B.A.

1971

Assistant Professor of Economics
B.A., Presbyterian College; Ph.D. Candidate

BILLIE F. EVANS, M.A.

1967

Catalog Librarian and Supervisor-Technical Processes
B.S., East Carolina; M.S., Appalachian State University

JAMES S. FARMER, M.A.

1957

Associate Professor of English
B.A.; M.A., University of North Carolina

MARJORIE L. FARMER, M.A.

1965

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

CARL M. FISHER, Ph.D.

1967

Professor of Education
B.S.; M.S.; Ph.D., Florida State University

JOHN FRANCIS FLYNN, Jr., M.A.

1971

Instructor of Art
B.F.A., Chicago Art Institute; M.A., University of Miami

PAUL K. FREIWIRTH, Ph.D.

1962

*Professor of History*Th.D., Atlantic Union College; M.A., Potomac University;
Ph.D., University of Maryland**LACEY E. GANE, Ed.M.**

1965

Associate Professor of Physical Education

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

GRACE EVELYN GIBSON, M.A.

1966

Assistant Professor of English

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

DUANE A. GILMORE, M.S.L.S.

1972

Assistant Catalog Librarian

B.A., The University of Texas; M.S.L.S., Our Lady of the Lake College

JEFFREY J. GORDON, M.S.

1971

Instructor of Geography

B.A., State University of New York; M.S., The Pennsylvania State University

GIBSON H. GRAY, Ph.D.

1971

Associate Professor of Political Science

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

AGNES O. GREENE, M.A.

1968

Assistant Professor of Home Economics

B.S., Florida Southern College; M.S., Northern Michigan University

MAGNOLIA O. GRIFFITH, M.A.

1970

Instructor of Business Education

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

ROBERT K. GUSTAFSON, Th.D.

1969

*Professor of Philosophy and Religion*B.A., University of California at Los Angeles;
M.D.; Th.M.; Th.D., Union Theological Seminary**JAMES F. HUBBARD, M.A. ***

1965

*Associate Professor of Psychology*B.A.; M.A., University of Richmond;
B.D.; Th.M., Union Theological Seminary**JAMES ARNOLD JACOBS, Ed.M.**

1937

Associate Professor of Mathematics

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

CHARLES R. JENKINS, M.A.E.

1970

Instructor of Education

B.S.; M.A.E., East Carolina University

DORIS BAUMANN JOHNSON, Ed.M.

1966

Assistant Professor of Music

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

KENNETH PETRIE JOHNSON, Pe.D.

1964

*Professor of Physical Education*B.S., Cortland State Teachers College; Ed.M., St. Lawrence University;
Pe.D., Indiana University**EDNA FAYE JONES, M.A.**

1966

Instructor of Education

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

ENGLISH E. JONES, L.L.D.

1956

*Professor of Science*B.S., University of Kentucky; M.S., North Carolina State University;
L.L.D., Wake Forest University**KEYHANG KEEM (KIM KI-HANG BUTLER), Ph.D.**

1970

*Associate Professor of Mathematics*B.S.; M.S., University of Southern Mississippi;
M.Ph.; Ph.D., The George Washington University**J. D. KELLY, M.F.A.**

1970

Instructor of Art

B.F.A., Dayton Art Institute; M.F.A., Tulane University

ROBERT E. KERSHAW, Jr., M.F.A.

1970

Instructor of Art

B.A., Pennsylvania State University; M.F.A., East Carolina University

PAUL W. KILLIAN, M.A. *

1967

Assistant Professor of Psychology

A.B.; M.A., East Carolina University

JAMES RICHARD KRABILL, Ph.D.

1971

Associate Professor of Mathematics

B.A., Miami University (Ohio); M.A.; Ph.D., Duke University

MIN-CHUAN KU, Ph.D.

1965

*Professor of Political Science*L.L.B., National Cheng-chi University, China;
M.A., University of Michigan; Ph.D., New York University

DAVID K. KUO, Ph.D.

1966

Associate Professor of Biology

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

ELIZABETH H. H. KUO, M.A.

1967

Assistant Professor of Geography

B.S., National Taiwan University; M.A., University of Georgia

JESSE M. LAMM, Ed.D.

1969

Associate Professor of Education

B.S.; M.A., East Carolina University; Ed.D., New York University

LOIS BARRETT LEWIS, Ed.S.

1963

Associate Professor of English

B.A.; M.A., University of Akron; Ed.S., George Peabody College

DAVID L. LITTLE, M.A.

1969

Reference Librarian and Supervisor, Public Services

B.S., Fayetteville State University; M.A., New York University

THOMAS WESLEY LOTT, Ph.D.

1971

Associate Professor of Spanish

B.A., William Carey College; M.A., Instituto Tecnológico de Monterrey
Ph.D., Universidad Internacional

REBA M. LOWRY, M.A.

1935

Associate Professor of Romance Languages

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

NORMAN W. MACLEOD, M.A.

1967

Associate Professor of English

B.A., University of New Mexico; M.A., Teachers College, Columbia University

JEROME A. McDUFFIE, M.A.

1965

Assistant Professor of History

B.A., Pembroke State University; M.A., Wake Forest College

JOSEPH A. MCGIRT, M.A.

1965

Assistant Professor of Biology

B.S., Pembroke State University; M.A., George Peabody College

JOSEF LORENZ MANDELL

B.A., Pembroke State University; M.A., University of North Carolina;
Ph.D., Candidate University of North Carolina

I. RUTH MARTIN, M.R.E.

1953

Associate Professor of Religion

B.A., Meredith College; M.R.E., Southwestern Baptist
Theological Seminary; M.A., Emory University

ROBERT L. MASON, M.S.

1967

Assistant Professor of Biology

B.S., Morris Harvey College; M.S., Ohio University

BERTHA B. MATHEWS, M.Ed.

1971

Assistant Professor of Speech

B.S.; M.Ed., Wayne State University

W. MASON MATHEWS, Ph.D.

1970

Professor of Psychology

B.A.; M.A.; Ph.D., University of Iowa

JANET ROGERS MATTHEWS, M.S.

1971

Instructor of Psychology

B.A., University of Tampa; M.S., Trinity University

HAROLD D. MAXWELL, M.S.

1967

Assistant Professor of Biology

B.S.; M.S., Tennessee Polytechnic Institute

L. L. MURRAY, Ed.D.

1965

Professor of Education

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

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

1966

Library Bibliographer

B.A., University of Florida; M.S.L.S., Atlanta University

ANDRE JOSEPH NADEAU, Ph.D.

1969

Professor of Health and Physical Education

B.S., Appalachian State University; M.A., New York University;
Ph.D., University of Iowa

RUTH HELEN NIXON, Ed.D.

1968

Professor of Education

A.B.; M.A.; Ed.D., University of California

HAROLD M. OLSON, M.S.

1971

Assistant Professor of Physical Education

B.A., Coe College; M.S., Wayne State University

CLIFTON OXENDINE, M.A. **

1939

Professor of History

B.A., McKendree College; M.A., George Peabody College

LINDA B. OXENDINE, M.S.

1971

Instructor of Biology

B.S., Pembroke State University; M.S., University of Tennessee

GERALD L. PARKER, M.Ed. *

1968

Assistant Professor of Education

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

KENNETH W. PAULI, Ph.D.

1967

Professor of Speech and Drama

B.A., Wesleyan University; M.A., Teachers College, Columbia University;
Ph.D., Stanford University

ALBERT J. PEJACK, Jr., M.S.

1971

Instructor of Business Administration

B.A., Westminster College; M.S., Clemson University

RAYMOND B. PENNINGTON, Ed.D.

1963

Professor of Health and Physical Education

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

FRANCIS LOUIS PFEIFER, D.M.E.

1966

Associate Professor of Music

A.B., Panhandle A&M College; M.A., University of Wyoming;
D.M.E., Chicago Musical College of Roosevelt University

RICHARD CHARLES PISANO, Ed.D.

1967

Professor of Education

B.S., Potsdam State Teachers College; M.Ed., Florida State University;
Ed.D., Columbia University

GEORGE W. POLHEMUS, M.A.

1965

Associate Professor of English

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

L. MILES RAISIG, M.S.L.S.

1969

Director of Library Services

B.S., University of Virginia; M.S.L.S., State University of New York
at Albany

ANDREW RANSOM, Ed.M.

1956

Associate Professor of Chemistry and Physics

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

ELMA LOUISE RANSOM, M.A.

1958

Associate Professor of Music
B.S.; M.A., Ohio State University

ROBERT WILLIAM REISING, Ed.D.

1971

Associate Professor of English
B.A., Michigan State University; M.A., University of Connecticut;
Ed.D., Duke University

JOHN RIMBERG, Ph.D.

1971

Professor of Sociology
B.A., Harvard University; M.A.; Ph.D., Columbia University

JOHN A. ROBERTS, Ph.D.

1970

Associate Professor of Music
B.M., Oklahoma City University; M.M., Eastman School of Music;
Ph.D., Louisiana State University

THOMAS EDWARD ROSS, M.S. *

1969

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

RAYMOND J. RUNDUS, Ph.D.

1970

Professor of English
B.S., College of Emporia; M.A., Wayne State University;
Ph.D., University of Nebraska

JOHN T. RUSSELL, Ph.D.

1969

Professor 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, M.A. *

1966

Assistant Professor of Mathematics
B.S., Pembroke State University; M.A., University of Arkansas

KARL A. SCHEELE, Ph.D.

1965

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

JANIE BRITT SILVER, Ed.D.

1960

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

HAROLD C. SLAGLE, Ed.D.

1969

Professor of Music
B.M.E.; M.M., University of Nebraska; Ed.D., University of Illinois

P. ALBERT STUDDARD, Th.D.

1970

*Associate Professor 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**CALVINIA SWITZER, Ph.D.**

1971

Associate Professor of Education

B.S.; M.E.; Ph.D., University of Southern Mississippi

ROGER H. TAYLOR, M.A.

1969

*Assistant Professor of Music*B.M.E.; B.M., Shenandoah Conservatory of Music;
M.A., Madison College**HAROLD J. TEAGUE, Ph.D.**

1970

Associate Professor of Physical Science

B.S., Methodist College; M.S.; Ph.D., North Carolina State University

CARLETTA BERNICE THOMPSON, M.S.L.S.

1970

Night Public Services Librarian

B.A.; M.S.L.S., North Carolina Central University

NORMA JEAN THOMPSON, Ph.D.

1963

*Assistant Professor of Business Education*B.S., Pembroke State University; M.A., Appalachian State University;
Ph.D., University of Georgia**DANIEL E. TODD, Jr., Ph.D.**

1969

Professor of Education

B.S.; M.A., East Carolina University; Ph.D., University of North Carolina

HENRY TRAMER, Ph.D.

1970

Professor of Mathematics

B.S.; M.S., Rensselaer Polytechnic Institute; Ph.D., Johns Hopkins University

HOWARD D. TYNER, Ph.D.

1967

*Professor of Physical Science*B.S., Illinois Wesleyan University; M.S., Kansas State University;
Ph.D., University of Wisconsin**DOROTHY ANN URBAN, M.S.**

1971

Instructor of Home Economics

B.S., Fort Hays Kansas State College; M.S., Kansas State University

PAUL VAN ZANDT, M.F.A.

1969

Instructor of Art

B.F.A., Oklahoma State University; M.F.A., Tulane University

RICHARD R. VELA, M.A.

1970

Instructor of English

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

JOHN S. WALLINGFORD, Ph.D.

1970

Associate Professor of Physical Science

B.Phys.; M.Ed., University of Minnesota;
M.S.; Ph.D., Florida State University

GEORGE R. WALTER, M.M.

1967

Assistant Professor of Music

B.M., West Virginia University; M.M., Indiana University

EDWARD D. WATKINS, M.S.

1970

Instructor of Sociology

B.S., Southwest Missouri State College;
M.S., Kansas State College of Pittsburg

MAUDE ANN WEBB, M.A.

1967

Assistant Professor of Health and Physical Education

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

ANN REAVES FENNEGAN WELLS, M.A.

1960

Associate Professor of English

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

RUDY DE'WAYNE WILLIAMS, M.A.

1968

Instructor of French

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

VICTOR W. WOLF, M.B.A.

1958

Associate Professor of Economics

Handelskandidat, Sivilokonom, Norges Handelshoyskole

GEORGE D. ZAHN, Ph.D.

1971

Associate Professor 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 1971-72

NOTE: The first person named serves as chairman.

COMMITTEE ON COMMITTEES:

Dr. Karl A. Scheele, Dr. David K. Kuo, Mr. Loren L. Butler II, Mr. Harvey L. Carnes, Mr. James F. Hubbard, Mr. Wayne Hunter, Mr. James A. Jacobs, Dr. Kenneth P. Johnson.

COMMITTEE ON ADMISSIONS AND ACADEMIC STANDARDS:

Mr. Andrew Ransom, Mrs. Marjorie L. Farmer, Dr. Robert F. Britt, Dr. L. L. Murray, Dr. Norma Jean Thompson, Dr. Carl M. Fisher, Mr. James B. Chavis, Mr. Jason B. Lowry, and the Student Government Association Treasurer and Secretary.

COMMITTEE ON CURRICULUM:

Mr. William R. Bullard, Dr. Margaret M. Epstein, Dr. Robert K. Gustafson, Dr. W. Mason Mathews, Dr. Raymond J. Rundus, Dr. Janie B. Silver, Dr. Henry Tramer, Dr. Howard D. Tyner, Dr. Carl M. Fisher, Mr. James B. Chavis, Mr. L. Miles Raisig, and the Student Government Association Secretary of Senate, and Vice-President of Senate.

COMMITTEE ON LIBRARY AND INSTRUCTIONAL MATERIALS:

Dr. Daniel E. Todd, Jr., Mr. Gerald C. Borland, Mr. Albert D. Dunavan, Dr. Giles R. Floyd, Dr. Paul K. Freiwirth, Mr. L. Miles Raisig, and the Director of Audio-Visual Aids, and the Student Government Association Secretary of Interior.

COMMITTEE ON PROGRAMS:

Mrs. Gail Beggs, Mrs. Annie M. Elam, Dr. Chang H. Cho, Mr. Joseph A. McGirt, Miss Ellen Jane Bryan, Dr. Harold C. Slagle, Dr. Albert Studdard, Mr. James A. Jacobs, and the Student Government Association Secretary of Finance, and Secretary of Recreation.

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 Wolf, Dr. Carl M. Fisher.

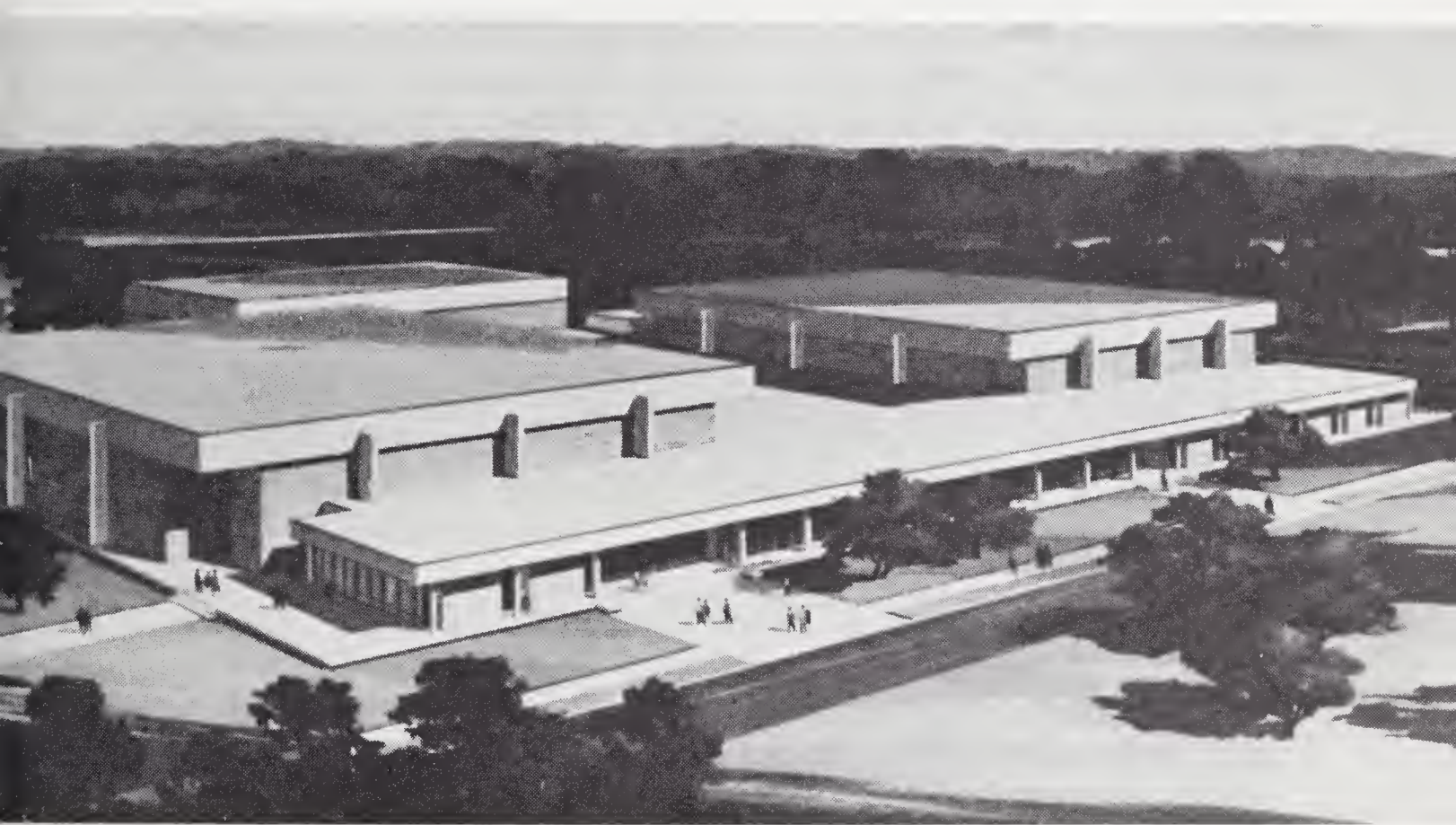
COMMITTEE ON STUDENT AFFAIRS:

Mrs. Lois B. Lewis, Dr. Jesse M. Lamm, Dr. Sidney T. Mathews, Dr. Andre J. Nadeau, Mrs. Elma L. Ransom, Mr. Charles R. Griffith, and the Student Government Association Treasurer, Secretary, Vice-President, and two Student Government Association Senators.

COMMITTEE ON INTERCOLLEGIATE ATHLETICS AND INTRAMURAL SPORTS:

Mr. Thomas E. Ross, Miss Maude A. Webb, Mr. Randall William Ackley, Mr. Robert L. Mason, Mr. Walter S. Musgrove, Dr. Harold J. Teague, Mr. Lacey Gane, and the Student Government Association Secretary of Athletics.

II. General Information



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 47 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

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

The Old Gymnasium, completed in 1940, contains classrooms and offices used by the Health, Physical Education, and Recreation Department as well as a basketball court and other training facilities.

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

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

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

The D. F. Lowry Student Center, completed in 1965, 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 and provides classrooms and offices for the Foreign Language, Philosophy and Religion, and Sociology and Geography departments.

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

The Business Administration Building, completed in 1969, affords classrooms and offices for the Business Administration, Business Education, 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 Depot is located beside the Maintenance Building. All deliveries of supplies and materials are received here.

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 Health, Physical Education, and Recreation 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 a selective one 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 Director of Admissions and Registration and submit it to him properly executed.
2. submit acceptable College Entrance Examination Board Scores on the *Student Aptitude and National Merit Scholarship Qualifying Test*.
3. obtain a medical examination form from the Director 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 Director of Admissions and Registration no later than 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 disadvantaged 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 ten-week program is offered in two sequential, five-week terms during the Summer Session. The first five-week 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 five-week 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 Director 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 and National Merit Scholarships Qualifying Test* if they have less than 30 semester hours of credit.
6. obtain a medical examination form from the Director 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 non-refundable and is not applicable toward other cost.
10. the application, application fee, and all forms, documents, and letters to support the application should be received by the Director of Admissions and Registration no later than 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 Director 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.

RETURNEE STUDENTS

Any student who has withdrawn from Pembroke State University for any reason must reapply through the Office of Admissions and Registration. The application for readmission is available on request from the Director of Admissions and Registration. To insure proper consideration the application must 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 without entering a degree program may be admitted to the University as special students. A special student may not later become a degree candi-

date 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 of 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 is 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 semes-

ter 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

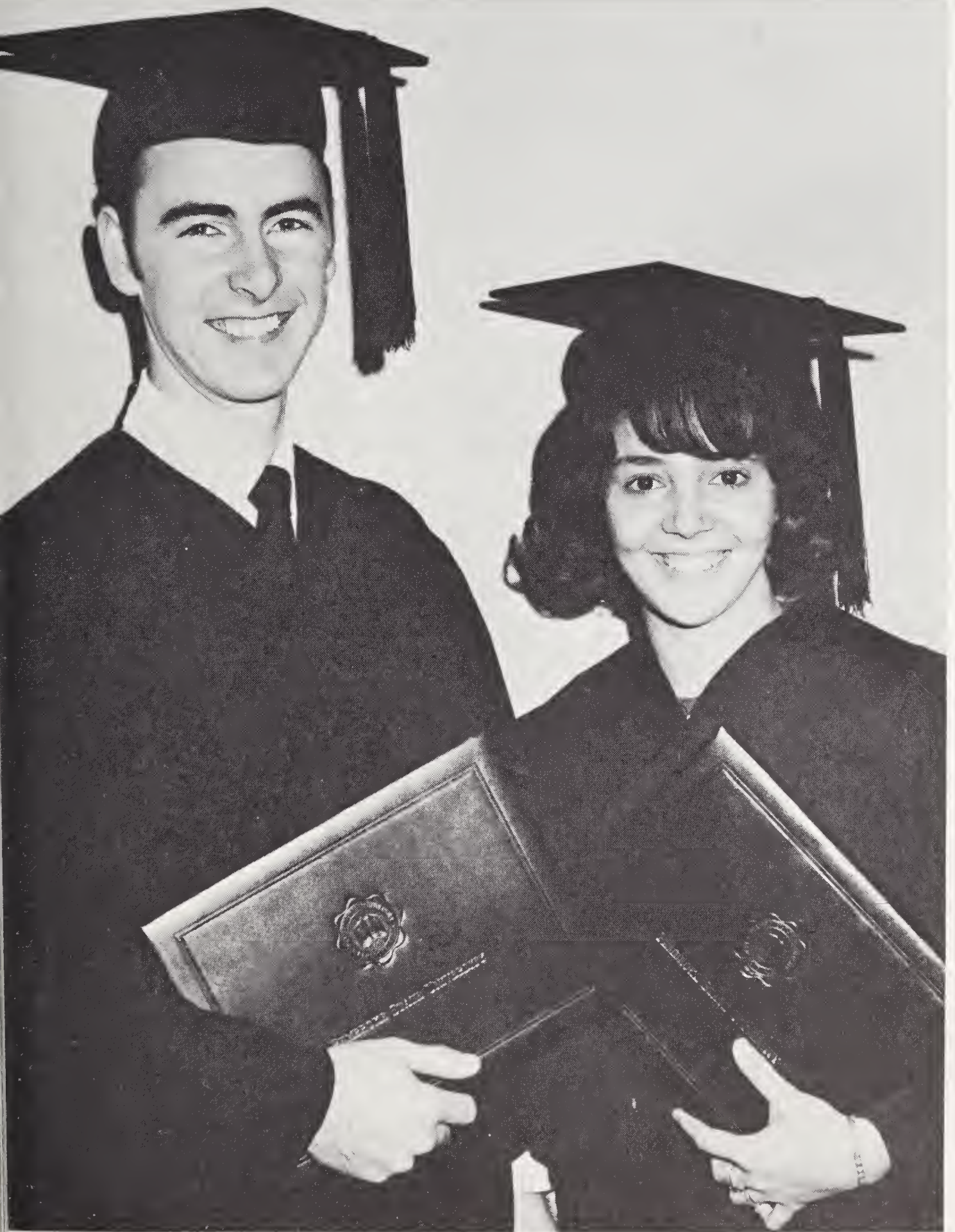
Pembroke State University, through its Continuing Education Division, offers on-campus and off-campus educational opportunities to persons who, for various reasons, are unable to meet the demands of on-campus, regular academic programs. In addition to course work carrying regular college credit, the 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 by 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 for Academic Affairs.

IV. Academic Regulations



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
P	Passing, Entirely Satisfactory	-
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.

The "P" grade is explained in the discussion below on the pass-fail option.

The Pass-Fail Option

Regular students with a *cumulative quality point average* of 2.0 or higher and who have completed 30 semester hours of work may elect to take one course on a pass-fail basis each semester thereafter for a total of not more than six courses. Students do not have this option during the Summer Session.

After consulting with his adviser, an eligible student may use his pass-fail option in any university course which has been designated as a pass-fail course by the department offering the course with the following restrictions: (1) departmental majors may take only those pass-fail courses in the department which have been designated as pass-fail courses for departmental majors, (2) departmental majors are restricted to a maximum of two courses in their major on a pass-fail basis, and (3) the option to take a course on a pass-fail basis must be made at the time of registration for the course and the choice is irrevocable.

Students taking a course on a pass-fail basis will be given a "P" or an "F." If a student makes a "P" on the course neither the credit hours nor the "P" will be used in computing quality point averages. If he makes an "F," the credit hours attempted and the "F" will be used in computing quality point averages just as they would for any other course.

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 at-

tempted 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 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, and (4) 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) registering for course work desired during the designated registration period, (4) paying tuition and fees to the Business Office, 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 Uni-*

versity, 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.

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 the 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. have successfully completed Freshman English at an accredited four-year institution with a grade of "C" or better or have passed the English Proficiency Test administered by the English Department at Pembroke State University or have satisfactorily completed English 200, English Proficiency.
 - a. Transfer students who elect to take the English Proficiency Test, must take it during their first semester at Pembroke State University.
 - b. Other students, who elect to take the English Proficiency Test, take it during the semester in which they will have earned 60 semester hours of university credit.

- c. Students who fail the English Proficiency Test must take English 200, English Proficiency.
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.
15. attend the graduation exercises. Degrees will not be granted to those who are absent without approval by the Office for Academic Affairs.

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.

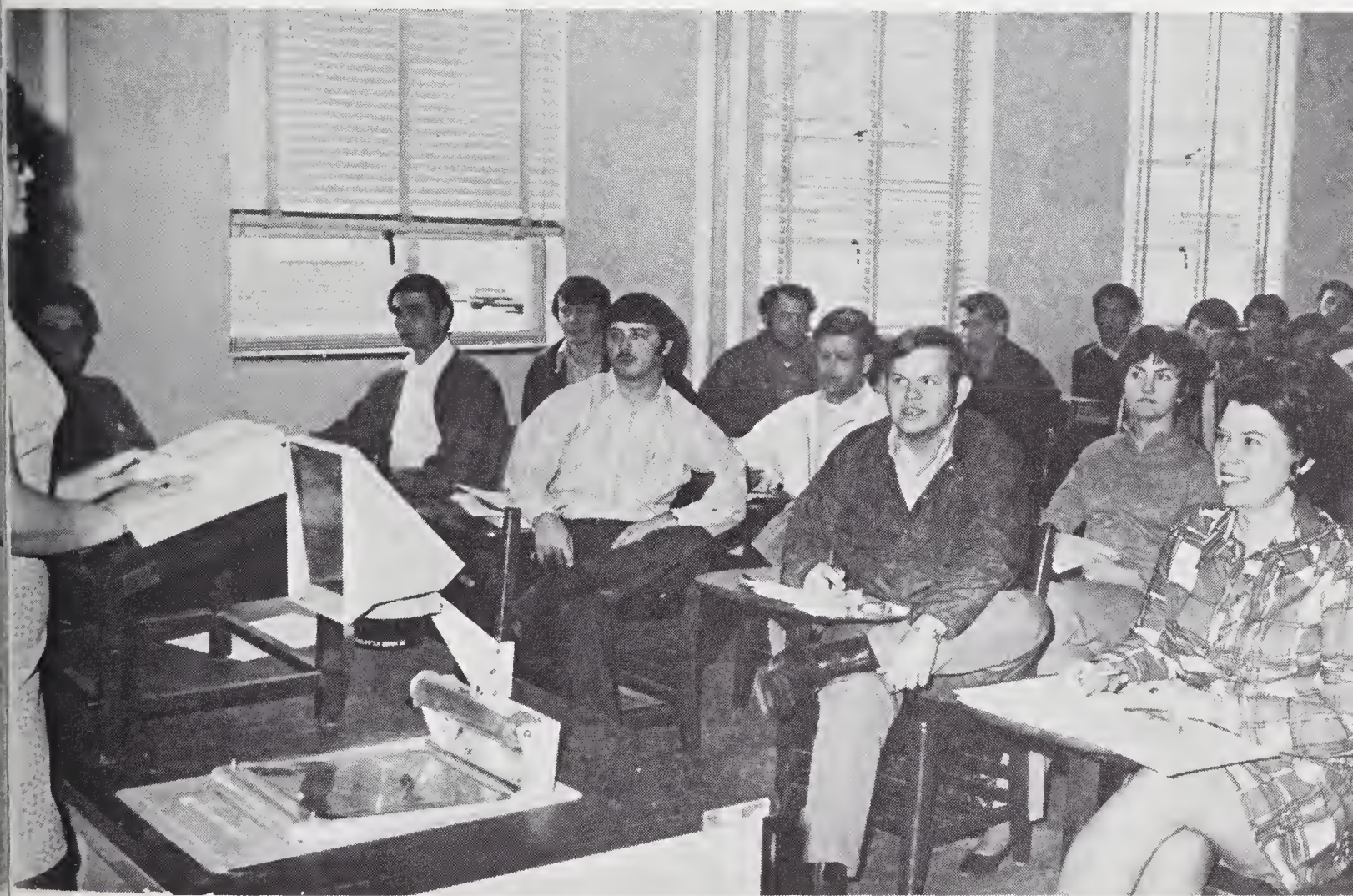
Courses completed in other accredited colleges and universities for which transfer credit is requested will be evaluated in terms of Pembroke State University's academic regulations and curriculum, and in terms of the student's proposed program at Pembroke.

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 of five weeks each. 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
- 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 are established by departments 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 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 P.S.U. art students and that of regional and national artists are held on a continuous rotating basis in the P.S.U. Art Gallery. These exhibitions include paintings, sculpture, ceramics, and graphic arts. The Art Gallery also provides for periodic exhibitions of the P.S.U. 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 in the fall.

RELIGIOUS ORGANIZATIONS

Student religious groups organized on the campus include the Baptist Student Union, King's Pentecostal 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
Euclidian Mathematics
Home Economics
Los Conquistadores (Spanish)
Physical Education
Political Science
Republican
Track

Fraternities

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

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

The Chorus is open to all students regardless of major. The Chorus is a large mixed vocal organization that specializes in performing works of a serious nature as well as the light classics. The Chorus 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 Lum-

bees, 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 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

1. 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.
2. 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, 1972, all members of the Freshman Class will be required to reside on campus for at least two academic semesters, 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 satis-

factory 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 450 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—\$188
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 development 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.

Members of the Freshman class who reside in the dormitories will not be permitted to drive or park motor vehicles on campus.

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 of 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 of 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 Officer 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 administrators of the University.

STUDENT GOVERNMENT SCHOLARSHIPS

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

tory 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.

THE FREDERICK BOHRER, JR. MUSIC SCHOLARSHIP

The Frederick Bohrer, Jr. scholarship is awarded to a student majoring in vocal music who displays a high degree of initiative, leadership, scholarship, vocal ability, and a strong wish for excellence as a person and as a musician. The scholarship is awarded by the faculty of the Music Department.

LOAN FUNDS

NATIONAL DEFENSE EDUCATION ACT LOAN FUND

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 at 3% interest, payable over a period of 10 years, the University may place any limit it desires upon the available funds in order to serve the greatest number of applicants. 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 Records 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 Veteran 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
Tuition (If less than 10 hrs.: in-state per sem. hr. \$10.00, out-of state per sem. hr. \$77.50)	100.00	775.00
Activity Fee	55.00	55.00
General Fee	5.00	5.00
Health Service	14.00	14.00
Health and Accident Insurance	8.00	8.00
	\$190.00	\$ 865.00

For Students Living on Campus:

Add:

Room	150.00	150.00
Linen	10.00	10.00
	\$350.00	\$1025.00

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
10 Meal Plan, Monday-Friday	188.00

Individual meals may be purchased at reasonable prices.

Per Term of Summer Session

Registration	\$ 4.00
Tuition per semester hour	
North Carolina Residents	10.00
Out-of-State Residents	77.50
General Fee	5.00
Health Service and Student Center	15.00
For Students Living on Campus	
Room	40.00
Linen	5.00

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 Fee	\$ 10.00
This fee is paid at the time of initial application, is non-refundable, and cannot be applied to meet any other charges.	
Graduation Fee	10.00
This fee must be paid at the time the student makes application for graduation. It is used to pay for the rental of cap and gown and the diploma.	
Registration Fee	8.00
This fee must be paid at the time of registration each semester.	
Late Registration Fee	5.00
Students who register for classes after the scheduled registration date has passed must pay this fee.	
Change of Course Fee	2.00
Students who voluntarily drop or add courses after the first day of classes in any semester must pay \$2.00 for each course involved.	
Tuition	
North Carolina residents	100.00
Out-of-State residents	775.00

Students who carry fewer than 10 hours in any semester are charged at the rate of \$10.00 per semester hour for North Carolina residents and \$77.50 per semester hour for non-residents.

Activity Fee 55.00
 This fee, paid each semester, is used to support student activities as follows:

Lyceum Series	3.00	Newspaper	2.00
Athletics	10.00	Student Center	30.00
Band & Chorus	1.00	Student Government . . .	3.00
Dramatics	1.00	Yearbook	5.00

All regular students taking 7 semester hours or more are required to pay this fee.

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

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.

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

Room, Per Semester 150.00

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 to dormitory students.

Linen 10.00
 Required of all dormitory students and entitles the student to a clean pillow case and two sheets each week.

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.

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.

REFUND POLICY

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 will not be made unless the withdrawal is caused by physical incapacity attested to by a physician's certificate. No refund of tuition and fees will be made after midsemester under any conditions.

Room and Linen Fee

If a student officially withdraws from school prior to midsemester 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

1. 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 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.

Please allow 7-10 days for any refund to be processed.

VIII. Courses of Instruction



VIII. COURSES OF INSTRUCTION

AMERICAN INDIAN STUDIES

Head: ADOLPH L. DIAL

DAVID K. ELIADES
JEFFRY J. GORDON

ROBERT W. REISING

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.

COURSES

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.

201. American Indian Culture (Interdepartmental)

A survey of American Indian traditions, aspirations, and contributions through the study of poems, speeches, legends, stories, and novels written by American Indians; through the study of Indian art forms 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.

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 cultures to contemporary economic and social conditions; national in scope with emphasis on the southeastern tribes. Fall, spring, summer. Credit, 3 semester hours.

320. Native American Literature (English 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.

350. Archeology of the North American Indian (Sociology 350)

Prerequisite: Sociology 202 or equivalent

Fundamentals of archeology and prehistory; local applications (especially Robeson County) regarding site location, site preparation, and initial site survey. Students will participate in planning for and doing some field work. Fall, spring, summer. 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.

ART

Head: PAUL VAN ZANDT

VIRGINIA M. CARRAWAY

ROBERT E. KERSHAW, JR.

J. D. KELLY

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.

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

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

B.S. Requirement

26 semester hours of lower level art studios: 100, 101, 102, 105, 109, 111, 132, 133, 140, 151.

B.S. Art Major Requirements

6 semester hours, Advanced History of Art

9 semester hours, one area of advanced art studio

9 semester hours, Art Education (108, 308, and 405)

6 semester hours, Art Electives

A student taking the B.S. art major and the introductory art courses, in effect, receives a major in general art with a concentration in studio art. CERTIFICATION REQUIREMENTS FOR A SPECIAL SUBJECT AREA IN ART (Grades 1-12) are fulfilled by the classes listed above.

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

A.B. Requirement:

26 semester hours of lower level art studios: 100, 101, 102, 105, 109, 111, 132, 133, 140, 151.

A.B. Art Major Requirements:

- 6 semester hours, Advanced History of Art
- 12 semester hours, Area of Concentration: Sculpture, Ceramics, Graphics, or Painting
- 9 semester hours, Area of Secondary Interest: Sculpture, Painting, Ceramics, Graphics, or Commercial Art
- 18 semester hours, Art Electives

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. 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. Credit, 3 semester hours.
102. Three-Dimensional Design (Required of all art majors.)
 Prerequisite: Art 101
 A study and application of design principles in creative three-dimensional projects in mass and space using various materials. 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. Credit, 3 semester hours.
105. Introduction to Sculpture
 A survey course aimed at studying the problems of mass and space in sculpture. Beginning projects in the head and figure will be explored. Credit, 3 semester hours.
108. 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. 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. Credit, 2 semester hours.
111. 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. 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. Credit, 3 semester hours.
133. **Introduction to Painting**
 An introduction to color, structure and pictorial organization. Various techniques and group criticism will be implemented. 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. 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. 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. Credit, 3 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. 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. Credit, 3 semester hours.
250. **Advertising Design**
 Prerequisite: Art 151
 An introduction to applied lettering, layout, story, illustration, and general graphic advertising. 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. Credit, 3 semester hours.
300. **Art Concepts**
 Prerequisite: Art 100
 A study of the theories and philosophies of modern trends in the visual arts with special emphasis on the development of personal concepts as

related to the student's individual needs and studio interest. A directed readings and seminar course to include weekly critique situations concerning the student's personal involvement with his particular advanced studio area. Credit, 2 semester hours.

301, 302. Advanced Design

Prerequisite: Art 101-102

Advanced specialized problems in two- or three-dimensional art forms. Credit, 3 or 6 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. Credit, 3 or 6 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. Credit, 3 semester hours.

316. Advanced Sculpture

Prerequisite: Art 315

Advanced study in sculpture devoted to developing skills, techniques, and exploration of new materials. Credit, 3 semester hours.

320. Advanced Figure Drawing

Advanced study of the figure as an art form.

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. 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. Credit, 3 semester hours.

342. Advanced Ceramics

An advanced study of problems in the production of sets and formulation of original glazes. Credit, 3 semester hours.

350, 351. Printmaking I

Prerequisite: Art 140

Study of relief and serigraphic printmaking processes. Credit, 3 to 6 semester hours.

400. Public School Art Curriculum

A 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. An exploration into the methods and techniques of teaching art in the public schools, as well as the purchase, selection, and maintenance of all art materials, books, and equipment. Credit, 3 semester hours.

401, 402. Advanced Design

Prerequisite: Art 301 or Art 302

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

405. Seminar in Art Education

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

407, 408 Art Supervision

Designed for advanced art majors to obtain experience in directing beginning students in studio techniques. The advanced major supervising only in his area of concentration or secondary interest and being of junior or senior standing. No credit.

409, 410. Printmaking II

Prerequisites: Art 140 and 350 or 351

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

422. Italian Renaissance Art History

A study of the art of the Italian Renaissance. Credit, 3 semester hours.

423. Modern Art History

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

424. Contemporary Art History

A study of the artist, theories and art schools that evolved in Europe in the 20th century. 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. 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. 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. Credit, 3 semester hours.

436. Advanced Painting

A course for the student's personal development of individual expression in painting. 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. Credit, 3 semester hours.

442. Advanced Ceramics

Prerequisite: Art 441

The assignment of creative ceramic problems in line with individual student interest and needs. Credit, 3 semester hours.

451. 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. Credit, 3 semester hours.

499. 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. 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 minor specialty in Biology should see the Department Head for details.

BASIC STUDIES

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.

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.

REQUIREMENT FOR A BIOLOGY MAJOR: 47 to 49 semester hours—Biology 100, 101, 102, 304, 371, 472, and 10 to 12 semester hours of electives from at least two of the three following areas of study: Biology, Botany, and Zoology.

In addition, Biology majors are required to take Chemistry 100 and 101; and Mathematics 107 and 108 or 107 and 118.

COURSES

Biology 100, Principles of Biology, is a prerequisite for all Biology courses except Biology 105, 207, and 210.

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 1972-73 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, 8 semester hours.

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 1972-73 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 1972-73 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 1972-73 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 1972-73 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.

310. 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 1972-73 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 1972-73 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 1972-73 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

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 a two-hour laboratory period weekly. Credit, 4 semester hours.

410. Research in Biology

Restriction: Jr.-Sr. 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. Credit, 1 to 3 semester hours.

420. Plant Ecology

Prerequisite: Biology 304

Study of various environmental factors operative in different natural habitats. Spring of 1972-73 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.

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 1972-73 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.

BUSINESS ADMINISTRATION

Head: KARL SCHEELE

GEORGE AMMONS

ALBERT PEJACK

WILLIAM DUDLEY

The Department aims to fulfill an increasing need for training men and women for responsible leadership in business and in professional life. The first two years meet the basic studies requirement in addition to offering "Principles" courses in the fields of Accounting and Economics. The last two years give specialized training in Management Science and in Accountancy.

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

CORE COURSES IN BUSINESS: Economics 201, 202, and 304; Business 227, 228, 307, 309, 310, 312, 315, 316, 415, and 462.

SPECIAL REQUIREMENT: All business administration majors must have Mathematics 107 and 118.

- I. **BUSINESS ADMINISTRATION WITH EMPHASIS ON MANAGEMENT:** Business 308, 317, 408, 465, and 466.
- II. **BUSINESS ADMINISTRATION WITH EMPHASIS ON ACCOUNTING:** Business 321, 322, 417, 421, 423, 424, and 458.

227, 228. Principles of Accounting I and II

Introduction to accounting. Fall, spring, summer. Two lectures and two laboratory periods weekly. Credit, 6 semester hours.

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, summer. 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, summer. Credit, 3 semester hours.

305. Principles of Insurance

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

309, 310. Business and Economic Statistics I and II

Prerequisite: Math 118

Fall or spring and summer. 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 and summer. Credit 3 semester hours.

315. Business Law I

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

316. Business Law II

solution of problems in the areas of his major interests. The problem will be presented to the Biology faculty in written form. Credit, 1 to 3 semester hours.

420. Plant Ecology

Prerequisite: Biology 304

Study of principles, processes, and factors of plant ecology. Fall. 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: types of securities, obtaining short and long term capital. Includes financial planning and control, forecasting and budgeting. Fall, summer. Credit, 3 semester hours.

416. Investment Principles and Practices

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.

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 and summer. 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 and summer. 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

Problem 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, summer. Two lectures and two laboratory periods weekly. Credit, 6 semester hours.

321, 322. Advanced Accounting I and II

Prerequisite: Bus. Admin. 228

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

Prerequisite: 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

Head: NORMA J. THOMPSON
MAGNOLIA O. GRIFFITH

The objective of the business education curriculum is to prepare teachers of business subjects. A major in business education may lead to the Bachelor of Science Degree with teacher certification in either the comprehensive or basic business curriculum.

REQUIREMENTS FOR A MAJOR IN BUSINESS EDUCATION: minimum of 120 semester hours.

A. Basic Studies	45 sem. hrs.
Include as a part of the basic studies requirements:	
History 207, 208	6 sem. hrs.
Economics 201	3 sem. hrs.

B. PROFESSIONAL EDUCATION

Education 227, 445	
Education 400, 448	
Psychology 202, 308	21 sem. hrs.

C. MAJOR SUBJECT AREA

1. Comprehensive Business Curriculum
 Business Education 201, 202, 214, 313, 314, 303, 305, 403, 450, 453
 Business Administration 209, 227, 228, 312, 315 Economics 201
 44 sem. hrs.
2. Basic Business Curriculum
 Business Education 201, 202, 303, 305, 403, 450, 453
 Business Administration 209, 227, 228, 312, 315, 321
 Economics 201, 202
 Business or Economics electives, 6 semester hours 47 sem. hrs.

D. ELECTIVES 7-10 sem. hrs.

COURSES

101, 102. Beginning Typewriting I and II

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

104. Business Mathematics

Helps student 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.

210. Advanced Typewriting I

Emphasis on applied typewriting. The development of sustained production of various kinds of typewriting problems. Speedbuilding program to develop a high degree of skill. Fall. Three laboratories weekly. Credit, 2 semester hours.

202. Advanced Typewriting II

Prerequisite: Business Education 201

A continuation of Business Education 201. Advanced typewriting problems and duplication procedures. Spring. Three laboratories weekly. Credit, 2 semester hours.

213, 214. Beginning Shorthand I and II

Fundamental principles of Gregg Shorthand with special emphasis on accuracy and speed. Practice work in dictation and transcription. Ability to take dictation 80 words a minute and to transcribe easily and accurately. Fall, spring. Three lectures and two laboratories weekly. Credit, 6 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. Spring. Two lectures weekly. Credit, 2 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, 2 semester hours.

307. Introduction to Data Processing

An introductory course to data processing. Includes coding on punched cards and tapes; flow charting for manual, unit-record, and electronic data processing; and programming concepts. Fall. Three lectures 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.

403. Office Management

Designed for training students to meet situations which will confront them in the modern business office; office standards, office control, physical facilities, general nature of office work, office personnel, modern labor organizations, wage determination, collective bargaining, public regulations. Spring. Three lectures 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 designed to consolidate office attitudes, knowledge, and skills in order to give each student a comprehensive understanding of effective secretarial procedures in the business office and their relation to other areas of business. This course to include instruction in filing, the use of business forms, and an acquaintance with the newest, essential machines in an office. Fall. One lecture and three laboratories weekly. Credit, 3 semester hours.

ECONOMICS

Head: VICTOR WOLF

CARLOS 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.

REQUIREMENTS FOR A MAJOR IN ECONOMICS:

Economics 201, 202, 301, 310, 330, 401, 408, plus 15 semester hours of elective courses in economics at the 300-level and above. Math 107 is required of all economics majors.

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.

306. Economic Geography (Geography 306)

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

401. Intermediate Micro-economic Theory

Prerequisites: Economics: Economics 201, 202

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

404. 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.

420. 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.

341. 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, production, 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
 CHARLES R. JENKINS
 JESSE M. LAMM

RUTH H. NIXON
 *GERALD L. PARKER
 JOHN T. RUSSEL
 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 to 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 to meet the criteria implied in the philosophy of the University.

Each student has the responsibility for consulting with his major departmental 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.

*On academic leave

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.

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 30 semester hours of college or university credit, (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. Each student must, except when excused by the Chairman of the Department of Education, complete one-half of the semester in classes in professional education on campus; the remainder of the semester is spent in off-campus, full-time student teaching in the public schools.

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 Committee 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.

Conditions of 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 certificate 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 Chairman of the Department of Education.

THE NATIONAL TEACHER EXAMINATION

All persons qualifying for a teaching certificate in North Carolina must submit satisfactory scores on the Common and Teaching Area sections of the National Teacher Examinations. The current required combined score on the two sections for an "A" certificate in North Carolina is 950. The prospective teacher takes the examination during the semester in which he does student teaching. Information and application forms may be obtained from the Department of Education and the Placement Office of the University.

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.

Elementary Education

Curriculum check-sheets, available from advisers and the secretary in the Department of Education, outline suggested programs of study for Early Childhood Education (K-3) and Intermediate Grades Education (4-9) majors in Elementary Education.

The requirements for the degree of Bachelor of Science with a major in Elementary Education and North Carolina certification for teaching in grades K-3 or 4-9 are 120 semester hours of credit distributed as follows:

- I. The Basic Studies Program, a minimum of 45 semester hours. It is recommended that the Elementary Education major elect the following forty-six semester hours to comprise the Basic Studies Program for the Bachelor's degree and the elementary teacher's certificate:
 - A. Humanities—Eng. 105-106; 6 semester hours of World, English, or American Literature; Hist. 207-208; Music 209; Art 108.
 - B. Social and Behavioral Sciences—Econ. 206; Soc. 203; Psy. 101.
 - C. Natural Sciences and Mathematics—Math. 101; Biol. 105; Biol. 210; Phys. Sci. 105.

II. Departmental Requirements:

Early Childhood Education, Grades K-3

- A. Specialized Subject-Matter Preparation, 50 semester hours beyond the 46 hours recommended for the Basic Studies Program.
Ed. 102, Ed. 301; Ed. 410; Art 225; Health 310; Phys. Ed. 310; Music 224; Eng. Ed. 382; Spch. 310, 404; Eng. 371; and sufficient elective hours to total 50 semester hours.
- B. Professional Education, 24 semester hours.
Ed. 201, 442, 446, 474; Ed. Psych. 202, 303

Intermediate Grades, 4-9

- A. Specialized Subject-Matter Preparation, 50 semester hours beyond the 46 hours recommended for the Basic Studies Program.
Ed. 102, 413; Math. 102; Health 311; Phys. Ed. 316; Music 315; Eng. Ed. 383; Eng. 371; Speech 310, 404; Approved Areas of Concentration* and/or electives to total 50 semester hours.
- B. Professional Education, 24 semester hours.
Ed. 227, 443, 447, 475; Ed. Psych. 202, 307.

*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.; Speech and Drama, 18 hrs.; Foreign Language, 18 hrs.; Library Science, 18; 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.

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 high school 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 high school teaching certificate are as follows:

- I. The Basic Studies Program as required by the major Department
- 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.

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.

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.

227. 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.

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.

301. Early Childhood Curriculum (Required of K-3 majors)

Prerequisite: Education 201

A study of curriculum as content and method. Credit, 3 semester hours, Fall, spring, and summer

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.
400. **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.
410. **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.
413. **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 6 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—presents academic learning with emphasis on individualization of instruction. 426 B—deals with creative and artistic activities. Alternate Summers. 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.

42. 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.

43. 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.

44. 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.
79. **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.

480. Seminar in Reading Instruction
Prerequisite: Permission by the Chairman 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.
481. 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.

Educational Psychology

202. 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.
303. 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.
307. 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.
308. 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 in-service teachers holding valid North Carolina Clas.

A Certificates seeking certification as school librarians.
Admission Requirement: Approval by the Head of the Department.

- C. For graduates of accredited institutions who hold non-teaching degrees and seek certification in Library Science.
Admission Requirement: Approval by Head of Department.
- D. For persons seeking education in Library Science but not a degree or certification (teacher aides, public library employees, etc.) Admission Requirement: All courses in Library Science are offered as general electives subject to approval by the Department Head and instructor.

Courses Required for North Carolina Librarian Certification

1. Teacher Librarian

- 310. Administration of School Library Programs
- 420. Selection of Media for Children
- or 421. Selection of Media for Young People
- 423. Basic Reference Sources and Methods
- 440. The Instructional Materials Center Program
- 445. Service in the Instructional Materials Center

2. School Librarian

- 300. Libraries and Librarianship
- 310. Administration of School Library Programs
- 320. Organization of Media Centers
- 410. Selection of Materials for the School Materials Center
- 420. Selection of Media for Children
- or 421. Selection of Media for Young People
- 423. Basic Reference Sources and Methods
- 440. The Instructional Materials Center Program
- 445. Service in the Instructional Materials Center

300. Libraries and Librarianship

A study of the library in society which considers the 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 of organization 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.

ENGLISH
(including Journalism and Linguistics)

Head: RAYMOND J. RUNDUS

ROBERT E. CARLILE
JAMES S. FARMER
MARJORIE L. FARMER
GRACE E. GIBSON
LOIS B. LEWIS

NORMAN W. MACLEOD
GEORGE W. POLHEMUS
ROBERT W. REISING
RICHARD R. VELA
ANN F. WELLS

The English 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, (2) the English major and minor, and (3) the English major seeking North Carolina secondary certification (see English Education). 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.

The English Proficiency Test (see qualifications elsewhere in this Catalog) is administered and evaluated by the English Department. The test is ordinarily offered the twelfth week of each semester and at the end of the first term of the Summer Session.

REQUIREMENTS FOR A MAJOR IN ENGLISH:

(Certification Majors: see English Education)

30 semester hours beyond basic studies requirements. Three semester hours of either (1) Religion 313 or 411 or (2) three hours of an upper-level speech and drama course, such as Oral Interpretation, Play Direction, or Debate, will be accepted toward the thirty hours. A request for a student's acceptance as an English major is filed with the Major Advisement Committee of the English Department by his adviser following the student's completion of twelve hours in English courses.

STUDIES IN LITERATURE EMPHASIS:

9 hours of Survey of English and American Literatures (229, 230, 231, 232); 351 or 352; 370 and/or 371; 12-15 hours of electives chosen after necessary advisement.

CONTEMPORARY LITERATURE AND CREATIVITY EMPHASIS:

9 hours in requisite background (English 229, 231, and 232) courses are recommended; 9 hours from Studies in America's Third World Literature, Seminar in American Literature, Studies in Film/Television Communications, Studies in Criticism, and a minimum of four hours in Creative Writing or a fine arts studio are required. Electives in literature will complete the thirty hours.

The English Department recommends that students majoring in English take a foreign language.

Information is available in the department office about screening procedures for English and English Education majors, about the interdepartmental study programs in Comparative Literature, Ethnic Studies, and Journalism and Mass Communications; and departmental study programs in Linguistics and Grammar, Expository and Creative Writing, American Literature, and Literary Genres and Figures. Most of these are open to both English and English Education majors.

COURSES

English 105 and 106 are prerequisite to all other English courses.

105. Context 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/Communication Center. Fall, spring. Credit, 3 semester hours.

106. Contexts for Composition II

Prerequisite: English 105 or transferred equivalent

A continuation of English 105, with special attention to research and presentation techniques. Fall, spring. Credit, 3 semester hours.

200. 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 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.

205. World Literature I

A study primarily of Western literature, emphasizing the contribution 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.

210. Introduction to Mass Communications

Basic studies in theories of communication covering a wide range of media, including radio, TV, and film. The major emphasis, however, will be on print media: newspapers, magazines, and book publishing. Fall, spring. Credit, 3 semester hours.

215. Newswriting and Reporting I

Prerequisite: English 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.

229. English Literature I

An examination of the literature of England from *Beowulf* through the early eighteenth 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. 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.
- 271. Introduction to Linguistics**
Prerequisites: Education 102 for K-3 and 4-9 Certification Students
An introductory survey course designed to introduce the student to the nature of language and the systematic study of language. Fall, spring. Credit, 3 semester hours.
- 281. 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.
- 305. 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 1972-73 and alternate years. Credit, 3 semester hours.
- 306. 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.
- 310. 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 1972-73 and alternate years. Credit, 3 semester hours.
- 311. Law and Ethics of Journalism**
Prerequisite: English 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 1972-73 and alternate years. Credit, 3 semester hours.
- 316. Historical and Comparative Linguistics**
Prerequisite: English 271 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.
- 317. Semantics**
Prerequisite: English 271 or 281 recommended
An introductory survey course which will sketch the major movements in contemporary American English diachronically and synchronically. Spring of 1973-74 and alternate years. Credit, 3 semester hours.
- 320. Native American Literature**
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 of 1973-74 and alternate years. Credit, 3 semester hours.

342. The English Novel

Prerequisite: English 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: English 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 1972-73 and alternate years. Credit, 3 semester hours.

351. Shakespeare

Prerequisite: English 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: English 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, Dickinson, and Hardy to Sylvia Plath in the early 1960's with emphasis on the major poets of the twentieth century. Spring of 1972-73 and alternate years. Credit, 3 semester hours.

370. Advanced Composition

The study and practice of advanced composition techniques, including principles of rhetorical strategy and syntactic and stylistic analyses. Fall of 1972-73 and alternate years. Credit, 3 semester hours.

371. Modern English Grammar

Prerequisite: English 271 for English Education Majors

A study of modern and traditional English grammar, including structural linguistics and transformational grammar. Required for K-3, 4-9 and English Education certification. Fall, spring. Credit, 3 semester hours.

375. Studies in Film and Television Communication

Prerequisite: Permission of Instructor(s)

An introduction to the vocabulary and literature of film and/or tele-

vision. The topics will vary, but film and/or television will be studied as independent media. Taught by members of the Art, English, and Speech and Drama departments. May be repeated with permission of instructors. Offered when circumstances warrant. Credit, 3 semester hours; maximum, six 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: English 376

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

380. Today's Verbal Arts in Various Media

Prerequisite: Permission of Instructor(s)

A colloquium introducing the student, through discussion, viewing, listening, participating, and creating, to the study and analysis of the verbal arts in the media of poetry, fiction, film, television, and drama. Taught in cooperation with the Art and Speech and Drama departments. Offered when circumstances warrant. Credit, 3 semester hours.

390. Community Journalism

Prerequisites: English 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.

393. History of the English Language

Prerequisite: English 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.

403. Contemporary World Fiction

Prerequisite: English 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.

410. Chaucer

Prerequisite: English 229

A critical study of the writings of Geoffrey Chaucer with special emphasis on *The Canterbury Tales* and *Troilus and Criseyde*. The course will include some intensive study of Chaucer's language and its relation to modern English. Readings will include both Middle English and modern translations. Spring of 1973-74 and alternate years. Credit, 3 semester hours.

420. Studies in America's Third World Literature

Prerequisite: English 332 or permission of Department Head

A cultural and critical study of American Indian, Chicano, Black, and other minority writers, to be taught by various instructors. May be

repeated with permission of department head. Offered when circumstances warrant. Credit, 1-3 semester hours; maximum, six semester hours.

126. Creative Writing Workshop

Prerequisite: English 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, 1-3 semester hours; maximum, six semester hours.

429. Literature of the English Renaissance

Prerequisite: English 229 or permission of Department Head
A critical study of the major authors of the English Renaissance and their intellectual milieu, focusing on Spenser, Sidney, Jonson, and on Shakespeare's fellow dramatists, but excluding Shakespeare's plays. The course will be taught as a seminar and will alternately focus on non-dramatic prose and poetry and on poetry and drama. Spring of 1973-74 and alternate years. Credit, 3 semester hours.

430. Literature of the Neo-Classical Period

Prerequisite: English 229 or permission of Department Head
A critical study of English literature from the Restoration of 1660 through the Age of Johnson, with an emphasis on the major writers and including representative plays. Fall of 1972-1973 and alternate years. Credit, 3 semester hours.

431. Literature of the Romantic Period

Prerequisite: English 230 or permission of Department Head
A study of the literature of the Romantic Period, with emphasis on Wordsworth, Shelley, Keats, and Byron. Fall of 1973-74 and alternate years. Credit, 3 semester hours.

432. Literature of the Victorian Period

Prerequisite: English 230 or permission of Department Head
An historical and critical study of the major British writers in the reign of Victoria, focusing alternately on prose and poetry. Spring of 1972-73 and alternate years. Credit, 3 semester hours.

433. Literature of the American Renaissance

Prerequisite: English 231 or permission of Department Head
A critical study of selected writing (essays, short stories, novels, poems) of Emerson, Thoreau, Hawthorne, Melville, and Whitman. The course is designed to enable the student to identify and interpret cultural, social, and aesthetic attitudes of this given period in American literature. Spring of 1972-73 and alternate years. Credit, 3 semester hours.

440. Studies in Criticism

Prerequisites: 6 hours of survey courses and English 370 or 376; 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

Prerequisite: English 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.

452. Milton

Prerequisite: English 229

A study of the life, ideas, and writings of John Milton, and his subsequent influence. Fall of 1972-73 and alternate years. Credit, 3 semester hours.

499. Independent Study

Independent study is offered to senior English 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; and a copy of the completed project is filed in the Office for Academic Affairs. Fall, spring. Credit, 1-3 semester hours.

English Education

The English Education program is 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 any phase of English in isolation; to recognize that English 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.

Five courses required for certification constitute the core of the program: English Education 382 and 383 (for Elementary and Intermediate Certification), 372, 374, 383. Methods of Teaching in the Secondary School (Education 400) is, for North Carolina Secondary Certification in English, the final professional course and follows the fulfilling of these department requirements:

37-39 semester hours, including 9 hours of Survey of American and English Literature (229, 230, 231, 232); 271, 351 or 352; 371; English Education 372, 374, and 384; three hours of Speech 300, 302, 311 or 357; Education 419 (Teaching Reading in the Secondary Schools); and four to six hours of electives in English, which may include one Library Science course, English Education 383, or another speech course from those listed above. One to two hours may be earned in English Education 399, Practicum in Laboratory Experiences. English certification majors are strongly urged to take as electives Education 460 (Audio-Visuals) and three further hours in an adjunct speech and drama course.

372. English Language for Adolescents

Prerequisite: English 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 an English major. Fall, spring. Credit, 3 semester hours.

399. 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.

FOREIGN LANGUAGES

Head: THOMAS W. LOTT

LINDA DEESE (Laboratory Supervisor)

JOSEF LORENZ MANDEL

REBA MILLSAPS LOWERY

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 speciality 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 MAJOR IN FRENCH:

30 semester hours above the elementary level including:
 French 231, 232 or its equivalent; 321 or 322, 355 or 356;
 Electives: 18 semester hours.

REQUIREMENTS FOR A CERTIFICATION IN TEACHING OF FRENCH:

30 semester hours above the elementary level including:
 French 231, 232 or its equivalent; 321, 322; 331; 355; 356;
 Electives: 9 semester hours.

REQUIREMENTS FOR A MAJOR IN SPANISH:

30 semester hours above the elementary level including:
 Spanish 231, 232 or its equivalent; 321 or 322; 355 or 356;
 Electives: 18 semester hours.

REQUIREMENTS FOR CERTIFICATION IN THE TEACHING OF SPANISH:

30 semester hours above the elementary level including:
 Spanish 231, 232 or its equivalent; 321, 322; 331; 355 or 356;
 Electives: 9 semester hours.

COURSES

French

131, 132. Elementary French

Introduction to understanding, speaking, reading, and writing French. Audio-lingual techniques, phonetics, pronunciation, diction, conversation, fundamentals of grammar, easy literary 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.

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, Composition, and Linguistics

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

parison of French sound-patterns with those of the other Romance Languages and English. Spring. Credit, 3 semester hours.

355, 356. 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, spring. Credit, 6 semester hours.

361. 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 (other French-speaking countries) and to increase their knowledge of the general aspects of French culture. Fall or spring. Credit, 3 semester hours.

363, 364. Twentieth Century French Literature

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

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.

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, 356. German Conversation, Composition, and Civilization

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

Latin**131, 132. Elementary Latin**

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

231, 132. Intermediate Latin

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

Further practice in simple conversation, pronunciation, diction, grammar review, civilization, introduction to Latin literature including Cicero and Vergil, formal and free composition. Fall, spring. Credit, 3 semester hours.

Spanish**131, 132. Elementary Spanish**

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

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 its beginning to 1800, 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.
355. Spanish Conversation
Provisions for extensive practice in oral Spanish, including drill in vocabulary, idiom, and basic linguistic structure. Fall. Credit, 3 semester hours.
356. Spanish Conversation and Composition
Provisions for practice in oral and written Spanish, including drill in vocabulary, grammar, and idiom. Spring. 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.
363. Twentieth Century Spanish Literature
Study of the works of present-day writers. Fall. Credit, 3 semester hours.
364. Spanish-American Literature
Study of representative works of Spanish-American writers. Spring. Credit, 3 semester hours.
365. 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.
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.
499. 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

CHARLES E. BISHOP
ELLEN J. BRYAN
EDWIN W. CRAIN
HAROLD T. ELLEN
LACEY 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 provide a program of intramural athletics which will offer each interested student opportunities to participate in healthful competition.

CURRICULUM FOR B.S. DEGREE IN HEALTH, PHYSICAL EDUCATION AND RECREATION (TEACHER CERTIFICATION)

Subject-matter preparation: Health Education 309, 311; 315. Physical Education 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 sem. hrs.
Basic Studies Program (see page 44)	45 sem. hrs.
Professional Education Requirements: Education 227; 400; 445; 448. Educational Psychology 202, 308	21 sem. hrs.
Electives	15 sem. hrs.
	120 sem. hrs.

CURRICULUM FOR B.S. DEGREE IN HEALTH, PHYSICAL EDUCATION AND RECREATION (NON-CERTIFICATION)

Subject-matter preparation: Health Education 309; 311; 315.
311; 315. Physical Education 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 sem. nr..
Basic Studies Program	45 sem. hrs.
Electives	36 sem. hrs.
	— 120 sem. hrs.

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 the 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.
- 315. 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.
- 414. Adaptive Physical Education**
An analysis of activities especially designed and adapted for the exceptional individual. Spring. Credit, 3 semester hours.

Physical Education and Recreation

- 202. 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.
- 203. 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.
- 213. Modern Dance**
A beginning course in modern dance which includes rhythmic funda-

mentals, fundamental forms of locomotion, simple patterns of movement, simple composition, and creative activity. Fall or spring. Credit, 1 semester hour.

230M. 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.

230W. 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.

231M. 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.

231W. 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.

316. 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 or spring. Credit, 3 semester hours.

319. 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 gymnastics. Fall or spring. Credit, 1 semester hours.

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 interests. 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. 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.
365. Coaching Soccer (Women)
A study of offensive and defensive play; rules, strategies, and conditioning. Fall. Credit, 2 semester hours.
400. 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, summer. Credit, 3 semester hours.
412. Physiology of Exercise
A study of the manner in which the physical potentialities of the human body meet the exacting requirements of exercise with special emphasis upon physical education activities. Spring. Credit, 3 semester hours.
415. 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 educational program and the work of the health, physical education, and recreation specialist. Fall or spring. Credit, 3 semester hours.
418. 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, 4 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. 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 | |

HISTORY

Head: JOHN CHAY

WILLIAM R. BULLARD
LOREN L. BUTLER, II
AVERY J. BUTTERS
ADOLPH L. DIAL

DAVID K. ELIADES
PAUL K. FREIWIRTH
JEROME A. MCDUFFIE
*CLIFTON OXENDINE

History is a liberating discipline. Through the study of governments, politics, and the rise and growth of major civilizations, the individual is able to broaden and deepen his comprehension of human experience and achievement. The study of history enables the individual to understand the major issues that confront the world and makes possible a more reasoned and intelligent response to these problems.

Because history is a humanistic study as well as a social science, the department offers preparation to individuals intent upon almost every career and profession. While the department offers a sound foundation for students who wish to work for the teaching certificate, it also prepares students to continue with graduate or special work in the field of history.

Courses offered by the department also provide a background for students who wish to study law, enter government service, or obtain a sound liberal arts background for a career in business.

A history major is to plan his program only after careful consultation with his assigned adviser. While the history department does not require a foreign language, a student planning graduate study in the field of history should acquire a reading knowledge of French, German, or Spanish. Students interested in developing a specialty concentration in history should consult with the Head of the department.

*Professor Emeritus

REQUIREMENTS FOR A MAJOR IN HISTORY

History 107-108	6 sem. hours
History 207-208	6 sem. hours
Political Science 201	3 sem. hours
Electives in advanced history	21 sem. hours
	—————
	36 sem. hours

No history major shall be allowed to take any history course on the pass-fail option to satisfy the major requirements.

CERTIFICATION REQUIREMENTS FOR SOCIAL SCIENCES

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

COURSES

- 07. 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.
- 08. Modern Western Civilization (cont'd)
A survey of Western civilization from 1815 to the present. Fall, spring. Credit, 3 semester hours.
- 07. 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.
- 08. 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.

305. United States Colonial History

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

306. United State Revolutionary and Early National History

A study of the rise of the American Nation from the insurgency against Parliament in the mid-eighteenth century to the end of the Federalist period. Spring. 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.

311. United States History, 1844-1877

A study of sectionalism, the Civil War, and Reconstruction through readings, discussions, lectures. Spring. Credit, 3 semester hours.

312. United States History, 1877-1914

A study of American History from the election of 1876 through the Populist Movement and the Progressive Era. 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.

317. 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.

321. Ancient History

A survey of Ancient History from the beginnings of civilization to A.D. 500. Fall. Credit, 3 semester hours.

324. 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.

325. The Middle Ages

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

328. Renaissance and Reformation

A survey of European History from the end of the Middle Ages through the Early Modern Period. Spring. Credit, 3 semester hours.

330. Eighteenth Century Europe, 1715-1815

A survey of the intellectual, social, cultural, and political history of Europe from the Death of Louis XIV to the Congress of Vienna. Fall. Credit, 3 semester hours.

31. **Nineteenth Century Europe, 1815-1914**
 A study of the political, social, and economic development of Europe from the Congress of Vienna to the outbreak of the First World War. 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.
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.
45. **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.
60. **Afro-American History**
 Prerequisite: History 207-208 or permission of Instructor
 A treatment of the Afro-American in American History from his African origins to the present. Fall. Credit, 3 semester hours.
63. **Colloquium on Problems in Afro-American History**
 Prerequisite: History 360 or permission of Instructor
 Investigations into selected problems in Afro-American history through reading of significant books, discussions and supplementary reports. Spring. Credit, 3 semester hours.
65. **History of Africa**
 Major political, economic, social and cultural developments in Africa with emphasis on sub-Saharan Africa. Fall. Credit, 3 semester hours.
81. **Colonial Latin America History**
 A survey of the Spanish and Portuguese Empires through the Wars for Independence. Fall. Credit, 3 semester hours.
82. **South America Since Independence**
 A study of South America from independence to the present. Spring. Credit, 3 semester hours.
83. **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)
An 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 to 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.

418. **Imperial Russia**
A study of Russian History from Kiev to the Russian Revolution, A.D. 800-1917. Fall semester of alternate years. Credit, 3 semester hours.
419. **Soviet Russia: 1917 to Present**
A study of the background and course of the revolutions of 1917, the Civil War and War Communism, the New Economic Policies of the Communist regime with greatest emphasis on the Stalin and post-Stalin Eras. Fall or spring. Credit, 3 semester hours.
420. **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.
430. **Economic History & Problems in Latin America**
Evolution of the economies of Latin America with particular emphasis on present structures and problems, considered in the regional country and sub-regional contexts. Spring. Credit, 3 semester hours.
431. **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.
450. **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 homemaking.

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.

COURSES

Child Development and Family Relations

302. Home Nursing and Family Health

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

303. Child Development

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

310. Family Relations

Designed to assist students in preparation for marriage and family living. Three lectures weekly. Credit, 3 semester hours.

Clothing and Textiles

101. Textiles

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

421. Tailoring Techniques

Prerequisite: Home Economics 221

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

423. Historic Costume

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

301. Nutrition

A study of the fundamental principles of human nutrition and their application in the selection of diets at different cost levels and the adaptation of diet to common disorders. Three lectures weekly. Credit, 3 semester hours.

404. 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. Credit, 3 semester hours.

405. Institution Management

Administration and management of institutional food services. Job analysis, employee training, personal relations, equipment requirements, and sanitation. Three lectures weekly. Credit, 3 semester hours.

406. Diet Therapy

Prerequisites: Nutrition and Chemistry

Role of nutrition and diet in the prevention and treatment of disease. Three lectures weekly. Credit, 3 semester hours.

Housing and Management**321. 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. Credit, 3 semester hours.

351. House Planning

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

401. Home Management

A study of management principles as they relate to the use of resources in the home. Three lectures weekly. Credit, 3 semester hours.

402. Household Equipment

Fundamental principles and management involved in selection, arrangement, use and care of household equipment. Two lectures weekly. Credit, 2 semester hours.

403. 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. Credit, 2 semester hours.

422. Home Furnishings

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

431. Interior Decorating

Prerequisite: Home Economics 422

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

MATHEMATICS

Head: HENRY TRAMER

CHARLES D. BASS

JAMES A. JACOBS

KEYHANG KEEM

JAMES R. KRABILL

*GILBERT L. 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 MAJOR:

Mathematics 221, 222, 315, 316, 325, 431

Advanced Electives hours in Mathematics: 9 hours

In addition, for certification, a student must replace

3 hours of advanced mathematics electives with

Mathematics 411.

Students majoring in mathematics who wish to take Physics should take Physics 200 and 201.

* On academic leave

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.

315. 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.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN
MUSIC EDUCATION (INSTRUMENTAL)

Basic Studies Requirements	45 sem. hours
Music Requirements	41 sem. hours
Education Requirements	21 sem. hours
Electives	13 sem. hours
	120 sem. hours

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.

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.

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.

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)

- | | |
|----------------------|--------------------------|
| a. Private Voice | j. Private French Horn |
| b. Private Piano | k. Private Trombone |
| c. Private Organ | l. Private Baritone Horn |
| d. Private Flute | m. Private Tuba |
| e. Private Oboe | n. Private Percussion |
| f. Private Clarinet | o. Private Violin |
| g. Private Bassoon | p. Private Viola |
| h. Private Saxophone | q. Private Violoncello |
| i. Private Trumpet | r. 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.

In as much 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 30. This examination will consist of performing before the music faculty on his 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 based upon displaying the 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.

Music Education and Methods

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.

224. 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.

315. 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.

400. Music Education in the Secondary School

A study of organization and procedures in general music classes and vocal performing groups in junior and senior high schools. Spring. Credit, 3 semester hours.

405. Music Education Grades K through six (K-6)

A study of organization and procedures used in general music classes for the elementary school. Fall. Credit, 3 semester hours.

420. 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

I. 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 broadening disciplines.

These courses prepare the student to take an active part in his community activities or in planning for graduate study. Teacher certification is also possible. In order to help fulfill the aims of the individual student, courses are to be selected in conference with the chairman.

Students who wish to develop a specialty concentration in Philosophy and Religion should see the Department Head for details.

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

Philosophy**COURSES****100. Introduction to Logic**

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

200. 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. Credit, 3 semester hours.

202. Philosophy of Religion

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

204. 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. Credit, 3 semester hours.

321. 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. Credit, 3 semester hours.

410. 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. Credit, 3 semester hours.

412. 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. Credit, 3 semester hours.

414. Contemporary Philosophy

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

Religion

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. Credit, 3 semester hours.

113. Life of Christ

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

130. 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. Credit, 3 semester hours.

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. 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. Credit, 3 semester hours.

212. Survey of the New Testament

A study of the origin 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. Credit, 3 semester hours.

214. Religion and Modern Problems

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

216. World Religion

A study of the historical development and teachings of Hinduism, Buddhism, Confucianism, and Shintoism. Credit, 3 semester hours.

217. World Religion

A study of the historical development and teachings of Zoroastrianism, Judaism, Islam, and B'hai. Credit, 3 semester hours.

220. **Archaeology and the Old Testament**
A study of the results of the exploration and excavation in the Near East for the light shed on Old Testament history, the art and civilization of Biblical peoples, including a study of relevant nonbiblical literature. Credit, 3 semester hours.
221. **Archaeology and the New Testament**
A survey of the findings of archaeology in the Grecian and Roman cultures along with the literature of this period which influenced the New Testament and its environs. Credit, 3 semester hours.
300. **The Torah**
A study of the development and content of the law as found in the Pentateuch and explained in the Talmud. Credit, 3 semester hours.
306. **Psychology of Religion**
A study of the many psychological aspects of religion and their meaning for personality development. 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. Credit, 3 semester hours.
311. **Prophetic Literature of the Old Testament**
A study of the history and nature of prophecy, with special consideration given to the times and messages of Amos, Hosea, Isaiah, Jeremiah, and Ezekiel. Credit, 3 semester hours.
313. **Early Hebrew Writings**
A study of man's early religious literature found in the Bible and other sources. Credit, 3 semester hours.
317. **Poetic Literature of the Old Testament**
A study of Job, the Psalms, Proverbs, Ecclesiastes, and Song of Solomon with consideration of literary forms and religious teachings. 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. 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. Credit, 3 semester hours.
413. **Principles of Religious Education**
A study of the basic principles of education in the church. A survey of the organization for a program of religious education used by various churches. Credit, 3 semester hours.
420. **Seminar in Modern Religious Issues**
An examination of selected contemporary religious problems, themes, or issues to be selected each term the course is presented. Credit, 3 semester hours.

430. World Religions Seminar (Sociology 320)

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 pre-departure orientation, en route lectures, and a formal resume. Summer session only. 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.

MINIMUM REQUIREMENTS FOR A MAJOR IN CHEMISTRY:

Chemistry 100, 101; 200, 201; 300, 301; 410, 411 . . .	32 sem. hours
Physics 100, 101, or 200, 201	6 sem. hours
Mathematics 221, 222	8 sem. hours

Certification for high school teaching requires the following additional courses; Educational Psychology 202, 308; Education 227, 400, 445, and 448. Education 460 is recommended.

COURSES

Physical Science

100, 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. Credit, 3 semester hours each.

105. 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 is included. Credit, 4 semester hours.

Chemistry**100, 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. Credit, 4 semester hours each.

107. History of Chemistry

Introduction to historical aspects of chemistry, with some scientific theories being examined in detail. Credit, 3 semester hours.

200. Qualitative Analysis

Prerequisite: Chemistry 101

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

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. 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. 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. 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. Credit, 4 semester hours each.

416. Polymer Chemistry

Prerequisite: Chemistry 301

Principal 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. Credit, 3 semester hours.

418. Colloid Chemistry

Prerequisite: Chemistry 301

Classes of dispersions, classification 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. Credit, 3 semester hours.

499. Independent Study in Chemistry

Prerequisite: Consent of Department Head

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

Geology**100. Physical Geology**

An introduction to physical geology; rocks and minerals, erosion, sedimentation, vulcanism, metamorphism, mountain formation, with laboratory studies of topographic mapping, geologic structure. This course is prerequisite for 101. A lab is included. Credit, 4 semester hours.

101. Historical Geology

Prerequisite: Geology 100

An introduction to the history of the earth from its formation up to the present time, geologic time, fossils, plant and animal evolution. A lab is included. Credit, 4 semester hours.

115. Earth and Space Science

Some of the basic ideas in astronomy, meteorology, and oceanography. A small amount of geology is included. A lab is included. Credit, 4 semester hours.

236. 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. Credit, 3 semester hours.

246. Climatology (Geography 242)

The same course as Geography 242. Credit, 3 semester hours.

256. 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. 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. 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, magnetism, and electricity. 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. Credit, 2 semester hours.

200, 201. Physics

Prerequisites: Math 221 for 200, Physics 200 for 201

A more thorough treatment than in the elementary sequence of mechanics, heat, electrostatics, electrodynamics, acoustics, modern physics, and electromagnetic radiation with problems. 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. 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. 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. 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. 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. 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. 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. 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. 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, 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. 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, hermetian and unitary operators. Eigenvalues and eigenvectors of operators, function spaces as vector spaces, and elements of the theory of distributions. 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. 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. Credit, 3 semester hours each.

446. Statistical Mechanics

Prerequisite: Physics 326

Kinetic theory and statistical interpretation of the laws of thermodynamics. 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. 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. Credit, 1-3 semester hours.

POLITICAL SCIENCE

Head: CHANG H. CHO

MIN-CHAUN 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 POLITICAL SCIENCE MAJOR:
30 semester hours including Political Science 101 and 27 semester hours of electives in Political Science.

COURSES

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.

01. American State and Local Government

Prerequisite: Political Science 101

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.

05. Legislative Process in the United States

Prerequisite: Political Science 101

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.

01. Political Parties and Interest Groups in the United States

Prerequisite: Political Science 101

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 101

A study of public opinion and lobbying. Spring. Credit, 3 semester hours.

310. Constitutional Law

Prerequisite: Political Science 101

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. Credit, 3 semester hours.

315. Politics of Minority Groups

Prerequisite: Political Science 101

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 101

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 201

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 101

A study of general principles and problems of administrative organization in governments; federal, state, and local. The role, relationships, 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 101

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 101

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 government, e.g. the differences between the unitary, federal and confederate governments, the presidential and parliamentary governments, and the authoritarian and democratic governments. Fall or spring. Credit, 3 semester hours.

230. Soviet Government

Prerequisite: Political Science 101

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 101

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.

International Organization, Relations, and Law

250. International Organization

Prerequisite: Political Science 101

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

260. International Politics and Relations

Prerequisite: Political Science 101

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

30. International Law

Prerequisite: Political Science 101

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.

40. The Law of War and Cold War

Prerequisite: Political Science 101

A study of (1) aggression neutrality, blockade 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 of weapons (7) control of America (8) Renunciation of war. Spring. Credit, 3 semester hours.

Political Theory, Thought, and Philosophy**350. Political Thought**

Prerequisite: Political Science 101

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

Independent Study**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.

PSYCHOLOGY*Head:* D. L. EASLEY

W. M. MATHEWS

*JAMES F. HUBBARD

*P. W. KILLIAN, JR.

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.

REQUIREMENTS FOR A MAJOR IN PSYCHOLOGY: 35 semester hours including the following: Psychology 101, 209, 210, 304, 305, 401 and fifteen semester hours of electives in psychology and psychologically oriented courses. 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.

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.

*On academic leave

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 and spring. 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. 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. 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. Credit, 3 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. Spring. 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. Fall. Credit, 3 semester hours.

401. **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. Fall. 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 and spring. Credit, 3 semester hours.
408. **Mental Hygiene in School**
Prerequisite: Senior standing
A study of the influences within the school which affect the student's self-concept, motivation, and social-adjustment. Summer. Credit, 3 semester hours.
411. **Psychology of Exceptional Children**
Prerequisite: Senior Standing
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: Senior Standing
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.

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, JR.
HARVEY L. CARNES
JEFFREY J. GORDON

ELIZABETH H. H. KUO
*THOMAS E. ROSS
EDWARD D. WATKINS

Applied sociology leads to opportunities in social welfare and social work, law enforcement and social justice, medical sociology and public health, community development and city planning, occupational guidance and vocational rehabilitation, etc.

The department offers a major in sociology, minor specialities in sociology and geography, and opportunities to develop inter-departmental specialities in such areas as ethnic studies including American Indian studies.

Elective courses related to sociology and anthropology are available in other departments: for example, archeology courses in the Department of Philosophy and Religion; mass communications courses in the Department of English; etc.

Students interested in these opportunities, career possibilities in sociology or geography, recommendations about courses appropriate to career development, or information about how a student may become certified as a public school teacher of geography or sociology, should contact the Department Head for details.

REQUIREMENTS FOR A MAJOR IN SOCIOLOGY: 30 semester hours including Sociology 201. Restriction: No more than two of the following courses will be counted toward the major—Sociology 110, 281, 305, 310, and 408.

*On academic leave

COURSES

Sociology

- 10. Introduction to Statistics (Mathematics 110)
The same course as Mathematics 110. Credit, 3 semester hours.
- 201. Introduction to Sociology
Human society; relationship of society to personality and culture; development of group life and social environments. Fall and spring. Credit, 3 semester hours.
- 202. Introduction to Cultural Anthropology
Human ecology; relation between technology, religion, art, literature, language and personality development in cultural anthropology; contacts between cultures. Fall or spring. Credit, 3 semester hours.

203. Cultural Anthropology and Sociology for Teachers
 Restriction: Elementary education majors only.
 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 and spring. Credit, 3 semester hours.
204. Introduction to Physical Anthropology
 Archeology and paleontology of fossil human forms and their antecedents; racial diversity and classifications 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.
281. Language and Society (English 281)
 Prerequisite: Sociology 201 and permission of the Department Head.
 Restriction: Sociology majors only.
 Credit, 3 semester hours.
302. Advanced Cultural Anthropology
 Prerequisite: Sociology 202 or equivalent.
 Social and cultural anthropology; trends in culture theory; theories of social structure and dynamics; ethnology and social institutions; comparative ethnography; ethno-linguistics; applied cultural anthropology. 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.
305. Public Opinion and Lobbying (Political Science 305)
 Prerequisite: Sociology 201.
 Restriction: Sociology majors only.
 Credit, 3 semester hours.
307. Social Welfare
 Historical development of theories of social welfare; processes and specialities; personal and education requirements; social work methods; federal, state and community programs. Fall or spring. Credit, 3 semester hours.
308. Population
 Demographic concepts and resources; population size, structure and distribution; in-migration, out-migration and other trends. Fall or spring. Credit, 3 semester hours.
309. 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.
310. Sects, Cults and Religious Movements in America
 (Religion 310)
 Prerequisite: Sociology 201
 Restriction: Sociology majors only.
 Credit, 3 semester hours.

315. **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.
320. **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.
321. **Social Stratification**
Horizontal and vertical segmentation; caste, class, estate, and pluralism; closed and open societies; social mobility. Fall or spring. Credit, 3 semester hours.
325. **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.
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.
340. **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.
347. **Field Work Techniques**
Prerequisite: Sociology 307
Client contact techniques in social work; 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. **Social Work Methods**
Prerequisite: Sociology 307
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.
350. **Introduction to Archeology**
Prerequisite: Sociology 202 or equivalent
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.

408. Personnel Management (Business Administration 408)
Prerequisite: Sociology 201
Restriction: Sociology majors only.
Credit, 3 semester hours.
411. Introduction to Field Work in Social Welfare
Prerequisite: Sociology 347 or 348 and permission of the 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, 3 semester hours.
412. Sociological Theory
Development of sociology into a scientific discipline; growth of sociological knowledge; proliferation of sociological topics for study; parallels, rivalries and syntheses of sociological thought. Fall or spring. Credit, 3 semester hours.
414. Sociological Methods
Techniques and rationales used in planning, conducting and reporting sociological projects; assumptions and perspectives; concepts and tools used in design, data collection, tabulation, analysis and presentation of results. Fall or spring. Credit, 3 semester hours.
415. Advanced Field Work in Social Welfare
Prerequisite: Sociology 411 and permission of Department Head
Continuation of Sociology 411 at a more advanced level. Fall or spring. Credit, 3 semester hours.
416. Social Psychology
Prerequisite: Sociology 201 or Psychology 101 or permission of the Department Head
Restriction: This course cannot be taken in addition to Psychology 416.
Effects of social interaction on personality; collective attitudes and behavior; group experiences; fashions and fads; crowds, mobs and publics; social movements. Spring. Credit, 3 semester hours.
418. 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 crecive change; cultural drift; functional and dysfunctional challenges and responses. 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 or spring. Credit, 3 semester hours.

Geography

Geography involves processes as well as description. The student develops an awareness of the components of geography: geological, biotic, socio-cultural, economic and political.

The department offers a specialty concentration in geography. Students interested in this or in information about how they could become certified as a public school teacher of geography should contact the Department Head for details.

199. Physical Geography

Description, analysis and interpretation of world physical patterns; the earth in space; land forms; surface configurations; climate; vegetation; soils. Fall or spring. Credit, 3 semester hours.

200. Cultural Geography

The concept of culture applied to the human environment. Geographical area variations and evolution as the result of interaction between cultural and physical processes; culture and technological change; population; migration; origins and diffusion of plants and animals; culture and its effect on perception of the environment. Fall or spring. Credit, 3 semester hours.

201. Principles of Geography

The earth and the environment of man, emphasizing the tools and techniques of the science of geography. Recommended as preparation for more advanced courses, and required for a minor in geography. Fall or spring. Credit, 3 semester hours.

202. World 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.

206. World Economic Geography (Economics 206)

Survey of important economic activities throughout the world. Location, development and distribution of major industries, agricultural products, and economic services. Fall and spring. Credit, 3 semester hours.

207. Settlement Geography

Geographic factors in location, organization and operation of rural and urban settlement. Historical approaches; location theory; hierarchies. Fall or spring. Credit, 3 semester hours.

242. Climatology (Geology 242)

Characteristics of the earth's climates. Scientific analysis and classification of climate data; climatic controls; geographic areas and their major types of climate. Fall or spring. Credit, 3 semester hours.

250. Introduction to Cartography

Concepts and skills of map and air-photo interpretation. Diversity of cartographic techniques and conventions; geographic analysis and graphic representation methods for planning the use of terrain and resources. Fall or spring. Credit, 3 semester hours.

320. Eastern Mediterranean Area (Religion 320)

Credit, 3 semester hours.

321. 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.

330. Latin America

Physical regions and political units of Central and South America, and the Caribbean area, including Cuba. Geography as a factor influencing opportunities and limitations. Fall or spring. Credit, 3 semester hours.

340. Europe

Regional approach emphasizing geographic factors that affected historical developments and recent trends. Fall or spring. Credit, 3 semester hours.

351. Soviet Union

Development and location of agriculture and industry as influenced by geography—past, present and future. Fall or spring. Credit, 3 semester hours.

352. Africa

Geographic factors as they affect the past, present and future of the African continent. Fall or spring. Credit, 3 semester hours.

353. Asia

Geography of the principal regions, with special attention to areas of significance in current world events. Fall or spring. Credit, 3 semester hours.

400. Geography for Teachers

Methods of teaching geography. Selection and arrangement of geographical 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.

499. Independent Study in Geography

Restriction: Limited to seniors developing a specialty concentration in geography whose overall cumulative quality point average is 2.5 or better.

Prerequisite: Acceptance by the department member who will supervise, and approval by the major 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 or spring. Credit, 1 to 3 semester hours.

SPEECH AND DRAMA

Head: KENNETH W. PAULI

GAIL A. BEGGS

BERTHA B. MATHEWS

ALBERT D. DUNAVAN

The courses in the department are planned so that a student may acquire a specialty concentration in these two somewhat related disciplines. For students interested in pursuing work in speech or drama at the graduate level the following courses may provide a basic foundation; for the student intending to pursue a professional career involving speech or theatre the curriculum

should be helpful; for others the program encourages the development of cultural and critical awareness.

Students interested in developing a specialty concentration in speech and drama should see the Department Head for details.

COURSES

Speech

101. Speech Fundamentals

An introduction to the nature and fundamentals of speech; a study of its principles; practice in the development of good habits. (This course cannot be used as credit toward a minor in speech and drama.) Fall, spring. Credit, 3 semester hours.

102. Argument and Debate

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

103. Debate II

Prerequisite: Permission of instructor.

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

104. Parliamentary Procedure

A detailed study of the principles and practices of parliamentary procedure based on Robert's Rules of Order Revised. Spring. Credit, 3 semester hours.

260. 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.

270. Language Acquisition of Children

Basic understanding of how a young child acquires his language; methods and procedures for promoting and measuring language development. 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.

302. Oral Interpretation of Poetry

Prerequisite: Speech 300

Interpretative analysis of selected works of poetry. Spring. Credit, 3 semester hours.

304. Advanced Oral Interpretations

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. Reading in Speech and Hearing

Introduction to the physics of sound, acoustic characteristics of speech,

anatomy and physiology of hearing and speech mechanisms. Instruction focused upon specific diagnostic and remedial approaches to selected communication disorders. Spring. Credit, 3 semester hours.

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.

311. Advanced Public Speaking

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

357. Discussion Techniques

Prerequisite: Junior Standing

Various forms of group discussion evaluated and practiced. Emphasis on leadership functions and responsibilities of the individual to the group. Spring. Credit, 3 semester hours.

403. Radio and Television

An introduction to the study of radio and television; the history of the development of the media; an analysis of their communicative effect upon listeners. Fall. Credit, 3 semester hours.

404. 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.

Drama

120. 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.

201. 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.

202. Advanced Acting

Prerequisite: Speech 201 or permission of instructor.

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

251. Play Production

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

252. 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: Speech 120 or consent of the instructor.
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: Speech 360 or consent of the instructor.
Study of the theatre, both its physical form and its literature, from 1660 to the present. Fall, spring. Credit, 3 semester hours.

**SUMMARY OF ENROLLMENT
1971-72**

SUMMER SESSION, 1971

First Term	1312
Second Term	1027
Total number enrolled	2339

FIRST SEMESTER 1971-72

Freshmen	624
Sophomores	486
Juniors	435
Seniors	310
Part-Time	56
Continuing Education	144
Special	22
Total number enrolled	2077

**SECOND SEMESTER
1971-72**

Freshmen	439
Sophomores	420
Juniors	464
Seniors	368
Part-Time	45
Continuing Education	146
Special	20
Total number enrolled	1902

**DEGREES CONFERRED,
May, 1972 (Estimated)**

Bachelor of Science	206
Bachelor of Arts	84

Total number of degrees

conferred 290

**PEMBROKE STATE
UNIVERSITY ENROLLMENT**

Men	1179
Women	898
GRAND TOTAL	2077
State Residents	1920
Non-Residents	157

ENROLLMENT BY STATE

1. Alabama	1
2. Delaware	1
3. Florida	1
4. Georgia	1
5. Hawaii	1
6. Illinois	1
7. Iowa	1
8. Maryland	1
9. Michigan	1
10. New Jersey	1
11. New York	1
12. North Carolina	1920
13. Pennsylvania	1
14. Rhode Island	1
15. South Carolina	7
16. South Dakota	1
17. Tennessee	1
18. Virginia	1

ENROLLMENT BY COUNTIES OF NORTH CAROLINA

Alamance	7	Cleveland	1
Anson	15	Columbus	8
Avery	1	Craven	1
Beaufort	4	Cumberland	3
Bertie	3	Currituck	1
Bladen	68	Davidson	1
Brunswick	7	Duplin	1
Buncombe	1	Durham	1
Burke	1	Edgecombe	1
Cabarrus	5	Forsyth	1
Caldwell	1	Franklin	1
Carteret	6	Gaston	1
Caswell	2	Granville	1
Catawba	8	Greene	1
Chatham	7	Guilford	1
Cherokee	2	Halifax	1
Chowan	1	Harnett	1
Clay	1	Hoke	1

SUMMARY OF ENROLLMENT 157

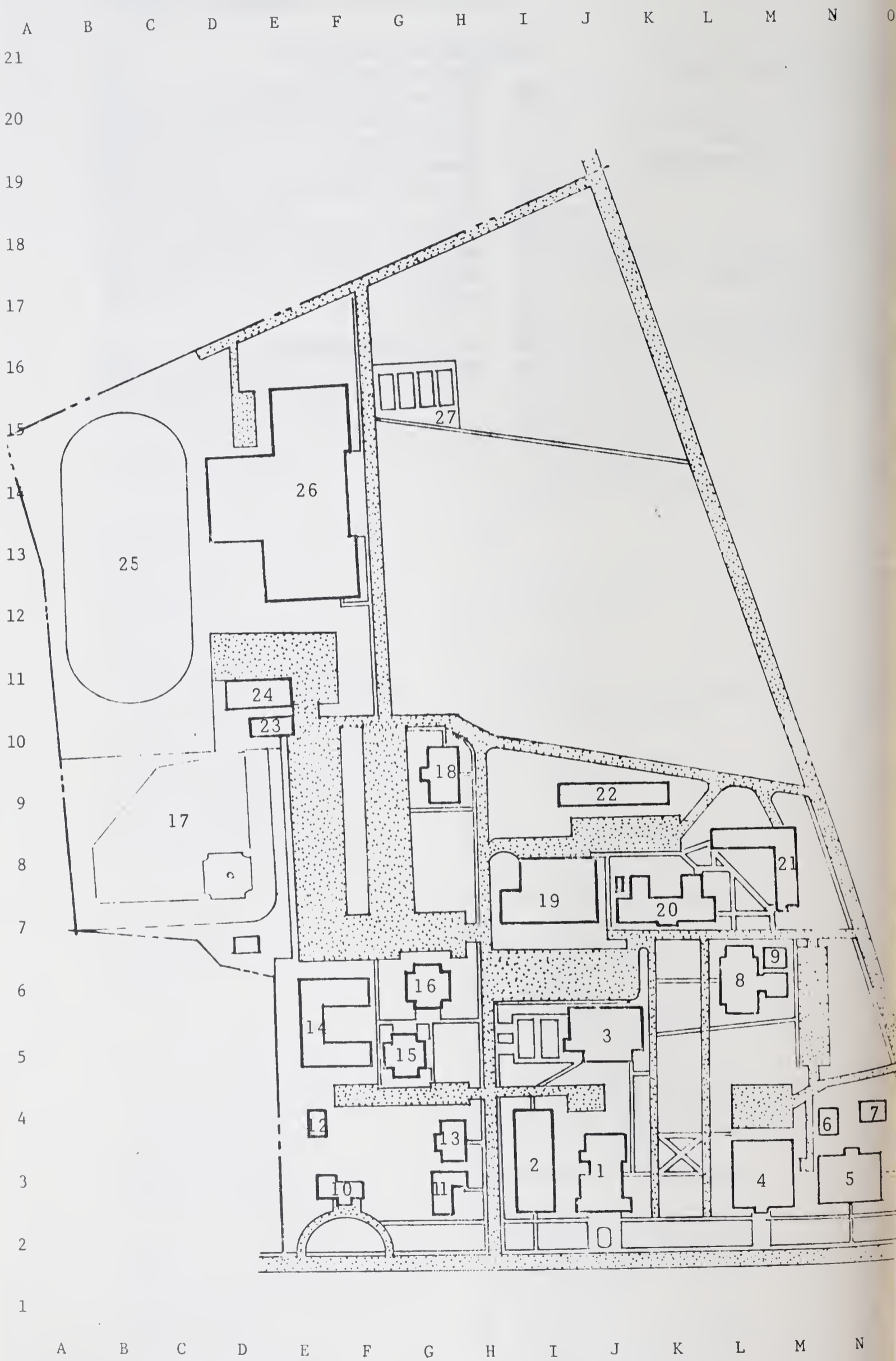
Iredell	3
Johnston	11
Jones	2
Lee	8
Lenoir	1
Lincoln	6
McDowell	1
Macon	1
Martin	2
Mecklenburg	8
Mitchell	1
Montgomery	20
Moore	16
Nash	7
New Hanover	2
Northampton	3
Onslow	20
Orange	3
Pamlico	2
Pasquotank	4

Person	4
Pitt	2
Randolph	19
Richmond	96
Robeson	744
Rockingham	7
Rowan	3
Rutherford	1
Sampson	18
Scotland	119
Stanly	6
Stokes	2
Surry	3
Union	4
Wake	25
Warren	1
Wayne	8
Wilkes	1
Wilson	3
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)
4. Science Building (N-3)
5. 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. The Health, Physical Education, and Recreation Center (E-14)
27. Tennis Courts (G-15)

