

*Admissions Office*



**PEMBROKE STATE COLLEGE  
CATALOG  
1969-1970**



Digitized by the Internet Archive  
in 2019 with funding from  
North Carolina Digital Heritage Center

# **PEMBROKE STATE COLLEGE**



**CATALOG  
1969-1970**

Mailing address: Pembroke, North Carolina 28372

Main telephone number: Area Code 919, 521-4214

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



## CONTENTS

College Calendar .....	5
Trustees, Administration, and Faculty .....	7
General Information .....	23
The Admissions Process .....	29
Academic Regulations .....	33
Curricula and Degrees .....	41
Student Life and Affairs .....	47
Student Finances .....	55
Courses of Instruction .....	65
Summary of Enrollment .....	137
Index .....	139
Campus Map .....	142



## CALENDAR 1969-70

September	14	Sunday, 8:00 a.m.—Dormitories Open for Freshmen
September	15	Monday, 9:00 a.m.—Freshmen Orientation Program Begins, Dormitories Open for Upperclassmen
September	16	Tuesday, 8:00 a.m.—Upperclassmen Registration
September	17	Wednesday, 8:00 a.m.—Freshmen and Transfers Registration
September	18	Thursday, 8:00 a.m.—Classes Begin
September	26	Friday, 5:00 p.m.—Last Day to Add or Drop Classes with W Grade
November	25	Tuesday, 5:00 p.m.—Thanksgiving Holidays Begin
December	1	Monday, 8:00 a.m.—Classes Resume
December	8-12	Monday-Friday—Preregistration for Spring Semester
December	19	Friday, 5:00 p.m.—Christmas Vacation Begins
December	20	Saturday, 12:00 noon—All Dormitories Close
January	4	Sunday, 1:00 p.m.—All Dormitories Open
January	5	Monday, 8:00 a.m.—Classes Resume
January	16	Friday, 5:00 p.m.—Classes End
January	19-23	Monday-Friday—Final Examinations
January	27	Tuesday, 8:00 a.m.—Upperclassmen Registration for Spring Semester
January	28	Wednesday, 8:00 a.m.—Freshmen and Transfers Registration for Spring Semester
January	29	Thursday, 8:00 a.m.—Classes Begin
February	6	Friday, 5:00 p.m.—Last Day to Add or Drop Classes with W Grade
March	20	Friday, 5:00 p.m.—Spring Vacation Begins
March	21	Saturday, 12:00 noon—All Dormitories Close
March	30	Monday, 12:00 noon—All Dormitories Open
March	31	Tuesday, 8:00 a.m.—Classes Resume
April	20-24	Monday-Friday—Preregistration for Fall Semester
May	22	Friday, 5:00 p.m.—Classes End
May	25-29	Monday-Friday—Final Examinations
May	31	Sunday—Commencement
June	1	Monday, 12:00 noon—All Dormitories Close

### SUMMER SCHOOL

June	7	Sunday, 12:00 noon—All Dormitories Open
June	8	Monday, 8:00 a.m.—Registration for the First Summer Session
July	10	Friday—End of First Summer Session
July	13	Monday, 8:00 a.m.—Registration for the Second Summer Session
August	14	Friday—End of Second Summer Session
August	15	Saturday, 12:00 noon—All Dormitories Close





# I. Trustees, Administration, and Faculty



## BOARD OF TRUSTEES

HAL W. LITTLE, *Chairman*  
 ZEB A. LOWRY, *Vice-Chairman*

W. EARL BRITT  
 B. O. BURNS  
 HERMAN DIAL  
 JAMES E. HILLMAN  
 HARRY W. LOCKLEAR

E. T. LOWRY  
 R. D. McMILLAN, JR.  
 RAYMOND B. MALLARD  
 JOHN W. OXENDINE  
 PURNELL SWETT

## ADMINISTRATIVE OFFICERS

ENGLISH E. JONES, B.S., M.S., L.L.D. . . . . . *President*  
 KENNETH G. KERSH, A.B., B.S., M.Ed., Ed.D. . . . . . *Dean of the College*  
 RICHARD C. PISANO, B.S., M.Ed., Ed.D. . . . . . *Associate Dean for Academic  
 Affairs and Director of Summer School*  
 CARL M. FISHER, B.S., M.S., Ph.D. . . . . . *Dean of Student Affairs*  
 WILLIAM S. MASON, JR., B.S. . . . . . *Business Manager*  
 EDNA FAYE JONES, B.S., M.A. . . . . . *Associate Dean of Student Affairs  
 and Director of Housing*  
 JAMES B. CHAVIS, B.S. . . . . . *Administrative Assistant to the President  
 and Financial Aid Officer*  
 JOHN L. CARTER, A.B. . . . . . *Registrar*  
 JASON B. LOWRY, B.A., M.A. . . . . . *Director of Admissions*  
 TERRY R. HUTCHINS, A.B., L.L.B. . . . . . *Director of Institutional Research*  
 FREDERICK R. WEBER, B.S., M.A. . . . . . *College Counselor*  
 GENE WARREN, B.A. . . . . . *Director of Public Information*  
 HERMAN W. SHELLEY, B.S., M.Ed., Ed.D. . . . . . *Director of Placement*  
 FRANCES COX CARNES, B.A. in L.S., M.S. in L.S. . . . . . *Director of Library  
 Services*

## LIBRARY STAFF

FRANCES COX CARNES, B.A. in L.S., M.S. in L.S. . . . . . *Director of Library  
 Services*  
 WALTER SHELDON MUSGROVE, B.A., M.S. in L.S. . . . . . *Cataloger*  
 BILLIE FAYE EVANS, B.S., M.A. . . . . . *Circulations Librarian*  
 R. STEWART LILLARD, JR., B.A., M.A. . . . . . *Periodicals Librarian*  
 JUANITA LOCKLEAR . . . . . *Assistant to the Periodicals Librarian*

## ADMINISTRATIVE AND SECRETARIAL STAFF

CAMMIE ALFORD . . . . . *Assistant Bookkeeper*  
 LAE RUTH ALWAY . . . . . *Secretary to Administrative Assistant to the  
 President and Financial Aid Officer*  
 JOANNA BELCHER . . . . . *Secretary to the Director of Public Information*  
 HORACE BURNETTE . . . . . *Superintendent of Buildings and Grounds*  
 WILLIAM S. CHESTNUT . . . . . *College Accountant*  
 JOYCE COX . . . . . *Secretary to the Registrar*  
 BETTY CUMMINGS . . . . . *Secretary—Registrar's Office*  
 QUERLON CUMMINGS . . . . . *Supervisor of Mail Department, Central Supply  
 and Duplicating*  
 THERESA DeCARLO . . . . . *Secretary to Student Union Manager*  
 ROSA DEESE . . . . . *Secretary to Director of Placement and  
 to College Counselor*



CLEMENTINE DUCKWORTH	Secretary—Registrar's Office
MARK H. HUCKERIEDE	College Physician
LOIS A. JACOBS	Secretary to Dean of Student Affairs
MARIE KING	Housemother, West Hall
PATRICIA D. KOTUSKI	Secretary—Science Building
HALENE LLOYD	Secretary—Business Administration
BRENDA LOCKLEAR	Secretary—Locklear Hall
CHRISTINE LOCKLEAR	Bookkeeper
KATE LOCKLEAR	Secretary to the Business Manager
BRENDA LOWRY	Secretary—Moore Hall
NELL LOWRY	Secretary to Director of Admissions
RENEE LOWRY	Secretary—Gymnasium
CHARLOTTE MCLEAN	Secretary—Business Office
JANICE MCLEAN	Secretary to Director of Library Services
ESTHER D. MAYNOR	Cashier
SUE ANN MAYNOR	Curriculum Laboratory Librarian
LEE E. NEVILLE	Student Union Manager
NORMA L. OXENDINE	Secretary—Library
CAROL J. PAUL	Secretary—Library
SHIRLEY PENNINGTON	Language Laboratory Supervisor
BERTEEN PRINE	Secretary to the President
BILLIE ANN RABON	College Nurse
JULIAN RANSOM	Purchasing Agent
MAUREEN REGAN	Secretary to Dean of the College
FLOWERS SAMPSON	Dietitian
CAROL P. SCOTT	Secretary to the Associate Dean for Academic Affairs and Director of Summer School
CAROL SELLERS	Secretary to Director of Institutional Research
PEGGY SINCLAIR	Assistant Nurse
CAROLYN STRICKLAND	Secretary—English
REGGLE STRICKLAND	Assistant Student Union Manager
TERESA WEST	Secretary to the Purchasing Agent
ANN WHITE	Secretary—Old Main
CAROLYN WORIAK	Switchboard Operator

## THE FACULTY

JAMES L. ALLEN, Ed.M.

1963

*Assistant Professor of Mathematics*  
B.A., Ed.M., University of North Carolina

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

1965

*Instructor of Business Administration*  
B.S., University of North Carolina

FRED W. BECKERDITE, M.S.\*

1968

*Instructor of Biology*  
B.S.; M.S., North Carolina State University

ROBERT W. BIRCHFIELD, A.B.

1967

*Associate Professor of Sociology*  
A.B., University of Southern California



FREDERICK BOHRER, M.A.

1959

*Associate Professor of Music*

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

GERALD C. BORLAND, M.S.

1968

*Associate Professor of Geology*

B.S., Pennsylvania State University; M.S., University of Arizona

THEODORE F. BOUSHY, Ph.D.

1968

*Professor of History*

B.A., Oklahoma Baptist University; B.D., Southern Baptist Theological Seminary; M.A.; Ph.D., University of Oklahoma

ROBERT FRANKLIN BRITT, Ph.D.

1960

*Professor of Biology*

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

WILLIAM ROBERT BULLARD, JR., M.A.

1966

*Assistant Professor of History*

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

LOREN LEONARD BUTLER, II, M.A.\*\*

1966

*Instructor of History*

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

AVERY JOHN BUTTERS, Ph.D.

1965

*Professor of History*

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

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

1959

*Director of Library Services*

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

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

OTIS G. CARNES, Th.D.

1959

*Professor of Philosophy and English*

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

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

*Assistant Professor of Physical Education*

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

WILLIAM HOWARD DEAN, M.A.

1968

*Associate Professor of Education*

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

GILBERT DEMEZA, M.F.A.

1967

*Instructor of Art*

A.B., University of Tampa; M.F.A., University of Georgia

ADOLPH L. DIAL, Ed.M.

1958

*Associate Professor of History and Political Science*

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

ALBERT DAREN DUNAVAN, M.A.\*\*

1965

*Associate Professor of Speech and Drama*

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

JAMES BOYER EBERT, A.M.\*\*

1956

*Associate Professor of Science*

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

ANNIE MERLE ELAM, M.S.

1968

*Instructor of Home Economics*

B.S., Pembroke State College; 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

1967

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

BILLIE F. EVANS, M.A.

1967

*Circulations Librarian*  
B.S., East Carolina University; M.A., 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

PAUL K. FREIWIRTH, Ph.D.

1962

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

LACEY E. GANE, Ed.M.

1965

*Assistant Professor of Physical Education*  
B.A., Elon College; Ed.M., University of North Carolina

GRACE EVELYN GIBSON, M.A.

1966

*Instructor of English*  
B.A., University of North Carolina; M.A., Duke University

AGNES O. GREENE, M.A.

1968

*Instructor of Home Economics*  
B.S., Florida Southern College; M.A., Northern Michigan University

EDWARD C. HALE, M.F.A.

1967

*Instructor of Art*

B.A., University of Kentucky; M.F.A., Maryland Institute College of Art

LINDA L. HANLEY, M.A.

1967

*Instructor of French*

B.A., The College of Saint Rose; M.A., The University of Iowa

PATRICIA ANNE HEFT, M.F.A.\*

1968

*Instructor of Speech and Drama*

B.S., Illinois State University; M.F.A., University of Georgia

FRANCIS R. HODGES, M.A.

1968

*Instructor of History*

B.A., Wake Forest University; M.A., Emory University

HOWARD ALLAN HOFFMAN, A.M.

1966

*Assistant Professor of Speech*

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

KRISTINE HOTVEDT, M.F.A.

1967

*Instructor of Art*

B.F.A., San Francisco Art Institute; M.F.A., Institute Allende, Mexico

CARYL H. HOWARD, Ph.D.

1965

*Professor of Chemistry*

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

JAMES F. HUBBARD, M.A.

1965

*Associate Professor of Psychology*

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

WAYNE HAROLD HUNTER, M.A.

1966

*Instructor of English*

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

JERRY J. INGRAM, M.A.\*\*

1965

*Assistant Professor of Business Administration and Economics*  
B.S.; M.A., University of Alabama



JAMES ARNOLD JACOBS, Ed.M.

1937

*Associate Professor of Mathematics*

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

COUNCIL T. JARMAN, M.A.

1967

*Assistant Professor of Business Administration and Economics*

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

DORIS BAUMANN JOHNSON, Ed.M.

1966

*Instructor of Music*

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

KENNETH PETRIE JOHNSON, Pe.D.

1964

*Professor of Physical Education*

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

JOSEPH H. JONES, M.F.A.\*

1968

*Instructor of Art*

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

KENNETH G. KERSH, Ed.D.

1961

*Professor of Education*

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

PAUL W. KILLIAN, M.A.

1967

*Instructor of Psychology*

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

VEERIAH V. KOTA, Ph.D.

1965

*Professor of Mathematics*

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

MIN-CHUAN KU, Ph.D.

1965

*Professor of Political Science*

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

FRANKLIN R. LANGSNER, D.P.E.

1968

*Professor of Health and Physical Education*

B.S., Springfield College; M.A., Western Reserve University  
D.P.E., Springfield College

LOIS BARRETT LEWIS, M.A.

1963

*Associate Professor of English*

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

R. STEWART LILLARD, JR., M.A.

1967

*Periodicals Librarian*

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

REBA M. LOWRY, M.A.

1935

*Associate Professor of Romance Languages*

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

JEROME A. MCDUFFIE, M.A.\*\*

1965

*Instructor of History*

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

JOSEPH A. MCGIRT, M.A.

1965

*Assistant Professor of Biology*

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

NORMAN W. MACLEOD, M.A.

1967

*Associate Professor of English*

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

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

*Instructor of Biology*

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

HAROLD D. MAXWELL, M.S.

1967

*Instructor of Biology*

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

CHANDRA P. MISRA, Ph.D.

1968

*Associate Professor of Biology*

B.S.; M.S., Agra University; Ph.D., University of Minnesota

SHARDA G. MISRA, M.A.

1968

*Instructor of Sociology*

B.A.; M.A.; Agra University;  
M.Ed., Louisiana Polytechnic Institute

MARGARET E. MOORE, M.A.

1967

*Instructor of English*

B.A., Wooster College; M.A., Teachers College, Columbia University

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. in L.S.

1966

*Cataloger*

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



CLIFFORD LEE NIXON, Ed.D.

1968

*Professor of Education*

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

RUTH HELEN NIXON, Ed.D.

1968

*Professor of Education*

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

PHILLIP M. OAKLEY, M.A.\*

1968

*Instructor of History*

B.A.; M.A., Wake Forest University

MARY ANNE O'NEIL, M.A.\*

1968

*Instructor of French*

A.B., University of California; M.A., Middlebury College

CLIFTON OXENDINE, M.A.

1939

*Professor of History*

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

GERALD L. PARKER, M.Ed.

1968

*Assistant Professor of Education*

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

REGINA M. PARKER, M.S.

1968

*Instructor of Home Economics*

B.S.; M.S., Murray State University

WALLACE L. PARKER, M.A.\*

1968

*Instructor of Mathematics*

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

EVA R. PARRISH, M.A.

1967

*Associate Professor of Physical Education*

B.S., Woman's College of the University of North Carolina;  
M.A., University of North Carolina at Chapel Hill

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

JOSEPH R. PEARCE, M.A.

1965

*Associate Professor of Business Administration*  
B.S.; M.A., East Carolina University

RAYMOND B. PENNINGTON, Ed.M.

1963

*Associate Professor of Physical Education*  
B.S., East Carolina University; Ed.M., University of North Carolina

ADELFA PEREZ-CRUZ, Doctor en Pedagogia

1968

*Instructor of Spanish*  
Doctor en Pedagogia, Universidad De La Habana

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

MARIA LOUISA PITTALUGA

1968

*Visiting Lecturer in Spanish—Fulbright Teacher Exchange Program*

GEORGE W. POLHEMUS, M.A.

1965

*Associate Professor of English*  
B.A.; M.A., University of Mississippi

ANDREW RANSOM, Ed.M.

1958

*Associate Professor of Chemistry and Physics*  
B.S., Pembroke State College; Ed.M., Ohio State University

ELMA LOUISE RANSOM, M.A.

1958

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

JAMES A. ROGERS, Ph.D.

1968

*Associate Professor of English*  
A.B., Trinity College; A.M.; Ph.D., New York University

GORDON B. RUSSELL, M.B.A.\*

1968

*Instructor of Business Administration*  
B.S., Tennessee Technological University; M.B.A.,  
East Tennessee State University

GILBERT LANE SAMPSON, M.A.\*\*

1966

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

KARL A. SCHEELE, Ph.D.

1965

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

MARIANNE S. SCHEELE, M.A.

1965

*Assistant Professor of German and French*  
B.S., Presbyterian College; M.A., Middlebury College

HERMAN W. SHELLEY, Ed.D.

1968

*Associate Professor of Education*  
B.S., Newberry College; M.Ed., University of South Carolina;  
Ed.D., University of Florida

JANIE BRITT SILVER, Ed.D.

1960

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

LYDIA SIMMONS, M.A.

1968

*Associate Professor of English*  
B.S., Mississippi State College for Women; M.A., New York University

WALTER THOMAS STIGALL, M.S.

1966

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

JOSEPH W. SUMNER, Ph.D.

1968

*Professor of Psychology*  
B.A., Wake Forest University; B.D., Southeastern Baptist Seminary;  
M.S., North Carolina State University; Ph.D., University of North Carolina

JOHN L. TARVER, M.S.\*\*

1965

*Assistant Professor of Business Administration and Economics*  
B.S.; M.S., University of Southern Mississippi

NORMA JEAN THOMPSON, M.A.

1963

*Assistant Professor of Business Education*

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

DANIEL E. TODD, JR., Ph.D.

1969

*Professor of Education*

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

REYNOLD D. TOLER, M.A.

1967

*Instructor of Art*

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

J. MARSHALL TRIEBER, Ed.D.

1967

*Professor of English*

B.S., Purdue University; M.A., University of Arkansas;  
Ed.D., North Texas State University

HOWARD D. TYNER, Ph.D.

1967

*Professor of Chemistry*

B.S., Illinois Wesleyan University; M.S., Kansas State University;  
Ph.D., University of Wisconsin

BESSIE MAE WALKER, M.A.

1965

*Assistant Professor of English*

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

GEORGE R. WALTER, M.M.

1967

*Instructor of Music*

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

MAUDE ANN WEBB, M.A.

1967

*Instructor of Physical Education*

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

FREDERICK R. WEBER, M.A.

1967

*Assistant Professor of Psychology*

B.S., U. S. Military Academy; 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 Business Administration and Economics*  
Handelskandidat, Sivilokonom, Norges Handelshoyskole

YI-HSIUNG YU, Ph.D.

1968

*Associate Professor of Mathematics*  
B.S., Cheng Kung University; M.S.; Ph.D., West Virginia University

GILROY J. ZUCKERMAN, M.E.\*

1968

*Instructor of Economics*  
B.A., Harpur College; M.E., North Carolina State University

## FACULTY STANDING COMMITTEES 1968-69

NOTE: The first person named serves as chairman.

### COMMITTEE ON COMMITTEES:

Dr. Otis G. Carnes, Mr. Edwin W. Crain, Mr. Adolph Dial, Dr. Carl M. Fisher, Mrs. Grace E. Gibson, Mrs. Reba M. Lowery, Mrs. Elma Ransom, Mrs. Norma J. Thompson.

### COMMITTEE ON ADMISSIONS AND ACADEMIC STANDARDS:

Dr. L. L. Murray, Mrs. Ann R. Wells, Dr. Clifford L. Nixon, Dr. Francis L. Pfeifer, Mr. Rudy De'Wayne Williams, Mr. Jason B. Lowry, Mr. John L. Carter, Dr. Kenneth Kersh, Miss Linda Clyde Jackson (student), Mr. Ernest Warren (student).

### COMMITTEE ON CURRICULUM:

Dr. Robert F. Britt, Miss Maude Ann Webb, Mr. William R. Bullard, Mr. James A. Jacobs, Mrs. Reba M. Lowry, Dr. L. L. Murray, Mr. Joseph Pearce, Dr. J. Marshall Trieber, Mr. John L. Carter, Mrs. Frances C. Carnes, Dr. Kenneth G. Kersh, Mr. Pat Mullin (student), Miss Brenda McNeill (student).

### COMMITTEE ON LIBRARY AND INSTRUCTIONAL MATERIALS:

Dr. Robert F. Britt, Mr. Council T. Jarman, Dr. Avery J. Butters, Mr. George W. Polhemus, Mrs. Marianne Scheele, Mrs. Frances C. Carnes, Mr. Michael Cohen (student).

### COMMITTEE ON PROGRAMS:

Dr. Kenneth W. Pauli, Mr. Wayne Hunter, Mrs. Annie M. Elam, Mrs. Doris Johnson, Mr. Joseph A. McGirt, Miss I. Ruth Martin, Mr. Reynold D. Toler, Mr. James A. Jacobs, Mr. Ronald B. Singletary (student), Mr. Gerald Kinlaw (student), Mr. Leslie Tubb (student).

### COMMITTEE ON RANK, PROMOTION, AND FACULTY WELFARE:

Mr. Andrew Ransom, Mr. James S. Farmer, Mr. Adolph Dial, Miss I. Ruth Martin, Mr. Raymond B. Pennington, Dr. Kenneth Kersh.

\* National Teaching Fellow

\*\* On leave

COMMITTEE ON STUDENT AFFAIRS:

Mr. Howard Hoffman, Mrs. Lois B. Lewis, Mr. David K. Eliades, Mrs. Marjorie Farmer, Mrs. Margaret E. Moore, Dr. Carl M. Fisher, Mr. Ronald B. Singletary (student), Miss Sue Faircloth (student), Mr. Mark Vinson (student).

COMMITTEE ON INTER-COLLEGIATE ATHLETICS AND INTRAMURAL SPORTS:

Mr. William H. Dean, Mr. Walter T. Stigall, Dr. Carl M. Fisher, Dr. Franklin R. Langsner, Mr. Harold Maxwell, Miss Maude Ann Webb, Mr. Lacey Gane, Mr. Ray Brayboy (student).

### **Teacher Education Committee**

Dr. L. L. Murray, Education; Dr. J. Marshall Trieber, English; Mr. Frederick Bohrer, Fine Arts; Mr. James A. Jacobs, Science and Mathematics; Dr. Carl M. Fisher, Educational Foundations; Mr. Howard Dean, Student Teaching; Mr. Robert Birchfield, Social Studies.

## 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 removed to its present location, and in 1921 the legislature appropriated seventy-five thousand dollars to build a large, modern structure which was ready for use in 1923. This building now known as "Old Main" still stands on the front campus.

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

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

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

In 1928 the last of the elementary classes were eliminated from the curriculum and only high school and normal programs were continued. In the early 1930's college classes were initiated, and by 1938 three full years of college work were available. The high school and college branches were separated in 1939 when a

fourth year of college work was added, and in June, 1940, the first college degrees were conferred. In keeping with these changes, the 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.

### **LOCATION**

Pembroke State College 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 available on 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 COLLEGE**

Pembroke State College is an accredited state-supported liberal arts college, maintaining a four-year curriculum leading to the Bachelor of Arts and Bachelor of Science degrees. As such, the college has a three-fold purpose: (1) to provide a standard liberal arts education; (2) to provide the necessary professional training for prospective teachers; and (3) to provide a limited amount of vocational training, such as Home Economics, Business Administration, etc.

### **ACCREDITATION**

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

### **BUILDINGS AND GROUNDS**

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

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



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

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

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

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

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

**The D. F. Lowry Student Center**, completed in 1965, contains the 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 college from 1942 through 1956.

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

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

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

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

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

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

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

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

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





# III. The Admissions Process





### III. THE ADMISSIONS PROCESS

#### REGULAR ADMISSION

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

The following procedures must be observed by applicants:

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

The Committee on Admissions and Academic Standards reserves the right to make decisions on any application for admission, based on the individual merits of that application.

Whenever a student not in good standing transfers from Pembroke State College to a Community College or a Junior College, he shall not be readmitted to Pembroke State College until he has finished the two-year course and earned the AA degree from such a school.

#### ADMISSION TO THE COLLEGE OPPORTUNITY PROGRAM

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



## TRANSFER STUDENTS

Students who wish to transfer from other colleges or universities must be eligible to return to the institution last attended. Students on academic probation at the institution last attended are eligible to enter Pembroke State College as transfer students on academic probation.

Transfer students must complete all of the steps outlined in procedures for application on page 30 and in addition must submit to the Director of Admissions complete official transcripts from all colleges or universities attended.

No action will be taken on an application until an official transcript(s) is on file in the Director of Admissions Office. This is a responsibility of the student.

Transfer applicants with fewer than 32 semester hours and 32 quality points must meet all the entrance requirements of Pembroke State College for a freshman.

Credit earned in other institutions is transferable to Pembroke State College under the following conditions:

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

To insure proper consideration all forms and documents to support the application should be received by the Director of Admissions prior to June 30, for the fall semester, and prior to December 1, for the spring semester.

## SPECIAL STUDENTS

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

## PART-TIME STUDENT

"Part-time student" refers to a student who is regularly admitted to Pembroke State College and is registered for less than 12 hours in a Fall or Spring semester. This work may be applied toward a degree program provided that students in this category have the written approval of the Associate Dean for Academic Affairs *prior* to their registration for a given semester.

## AUDITING

All persons *not officially registered* in the college, who desire to audit a course during the regular academic year, must secure permission from the Instructor, the Associate Dean for Academic Affairs, and the Registrar. A fee of \$7.50 will be charged per semester hour for each course. A prospective auditor, who has secured proper approval, will pay the auditing fee to the College Cashier. A copy of the cashier's receipt must be filed with the instructor at the beginning of the semester.

Students officially registered in the College, who desire to audit a course, must secure permission from the Instructor, the Associate Dean for Academic Affairs, and the Registrar. The fee of \$7.50 WILL NOT be charged.

Persons wishing to audit courses in the Summer Session must obtain the permission of the Director of the Summer Session, the Registrar, and the Instructor.

## SUMMER SCHOOL

Regular students entering Pembroke for the first time in the summer sessions as either beginning freshmen or transfer students must meet all requirements and follow all of the procedures set forth on page 31. Transient students, that is, students who are enrolled in other colleges or universities, and who are taking courses at Pembroke for transfer to their home institutions, must submit a form available in the Summer School office showing that they are in good standing in their home institution and are permitted to enroll in Pembroke by their Dean or Registrar. Admission of a transient student to the summer session does not constitute admission to the college. In-service teachers who wish to attend summer sessions must submit an application form obtainable in the Summer School Office.

## PENALTY FOR FALSIFICATION

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



# **IV. Academic Regulations**





## IV. ACADEMIC REGULATIONS

### CLASSIFICATION OF STUDENTS

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

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

### STUDENT LOAD

The normal student load is 15 to 18 hours in any one semester, and students must carry at least 12 semester hours each semester in order to be classified as full-time students. Persons whose cumulative quality point average is 3.0 or higher may be permitted to carry as many as 21 semester hours with the approval of their major adviser and the Dean of the College. Students on academic probation may not carry fewer than 12 nor more than 15 semester hours in any one semester. No more than 7 semester hours may be taken during any summer session. For the purpose of computing student load, courses in which a student is enrolled as an auditor are counted.

### GRADING SYSTEM

The following system of grading is employed at Pembroke:

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

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

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

The grade "WP" indicates that the student has been permitted to withdraw from a course while he is doing satisfactory work. The grade "WP" will not be counted as a course attempted, and

will ordinarily not be given during the final four weeks of a semester.

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

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

## **REGISTRATION**

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

## **DROPPING AND ADDING COURSES**

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

## **CLASS ATTENDANCE**

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 college 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; "college sponsored activity" will be limited to representing the College in regularly scheduled athletic contests, intercollegiate debates, or officially sponsored appearances of the college instrumental or singing groups—the activities of social, political, and religious clubs are not to be considered college sponsored activities; an "activity approved for instructional purposes," will mean class



field trips previously approved; and "special cases" may be allowed by the Associate Dean for Academic Affairs where in his judgment and upon the recommendation of the head of the department in which the student is doing his major work, the cause of the absence is of sufficient academic merit as to warrant it. These cases, which are expected to be rare, might include such things as internship in the North Carolina Government, etc.

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.

### ACADEMIC ELIGIBILITY

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

A Grade—4 quality points

B Grade—3 quality points

C Grade—2 quality points

D Grade—1 quality point

F Grade—0 quality points

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

Any student whose semester quality point average falls below 2.0 is automatically placed on academic probation. If during any semester in which he is on academic probation, a student fails to earn a semester quality point average of at least 2.0, he will be suspended from the college for academic deficiency. Students who have been suspended for academic deficiency may after the lapse of one semester, apply for readmission. Such applications will be referred to the faculty committee on admissions and academic standards which will make its recommendations to the Dean of the College. Only one application may be submitted in any calendar year. Persons who have been sus



pending for academic deficiency, and whose cumulative quality point average is 1.5 or greater, may be permitted to attend summer school during the summer which immediately follows this suspension.

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

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

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

Regulations concerning academic eligibility are subject to constant revision and change. In the event of a change, all students will conform to the newer regulation regardless of catalog entry date.

## HONORS

Students who attain a cumulative quality point average of 3.80 or higher are graduated *summa cum laude*. Those who attain a minimum cumulative quality point average of 3.50 are graduated *magna cum laude*, and those whose cumulative quality point average is at least 3.0 are graduated *cum laude*.

## DEAN'S LIST

The Dean's List, issued at the close of each semester, contains the names of students who, while carrying at least 15 semester hours, have attained a minimum semester quality point average of 3.4.

## REQUIREMENTS FOR GRADUATION

A minimum of 128 semester hours is required for graduation. The candidate must also meet all requirements in general education as well as those in his major and minor fields. A minimum quality point average of 2.0 in all work attempted at Pembroke State College is also required. In addition, the candidate must present a 2.0 overall average in his major field. In addition to meeting the academic requirements for graduation, the student must also have the recommendation of the faculty before he can receive a degree.

All candidates for degrees must complete a minimum of 32 semester hours in residence at Pembroke State College during the regular school year (not in summer school). The last semester prior to graduation must be done in residence at Pem-

broke State College. A minimum of 9 semester hours in the major field and at the upper division level must be earned at Pembroke State College.

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

Transfer students who have completed Freshman English in other institutions, students who pass English 105 or 106 with a D grade, and those who are designated by a faculty member as deficient in English, must pass an English Proficiency Test administered by the English department before they are eligible to receive a degree from Pembroke State College. Students failing the English Proficiency Test should register for English 200, English Proficiency, satisfactory completion of which excuses the student from re-taking the English Proficiency Test.

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

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

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

## MISCELLANEOUS ACADEMIC REGULATIONS

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

Courses completed in other accredited colleges and universities for which transfer credit is requested will be evaluated in terms of the curriculum selected at Pembroke State College. Only such



courses as fit into the proposed program at Pembroke will be accepted, and all such work must have been passed with at least a C grade.

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

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

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

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

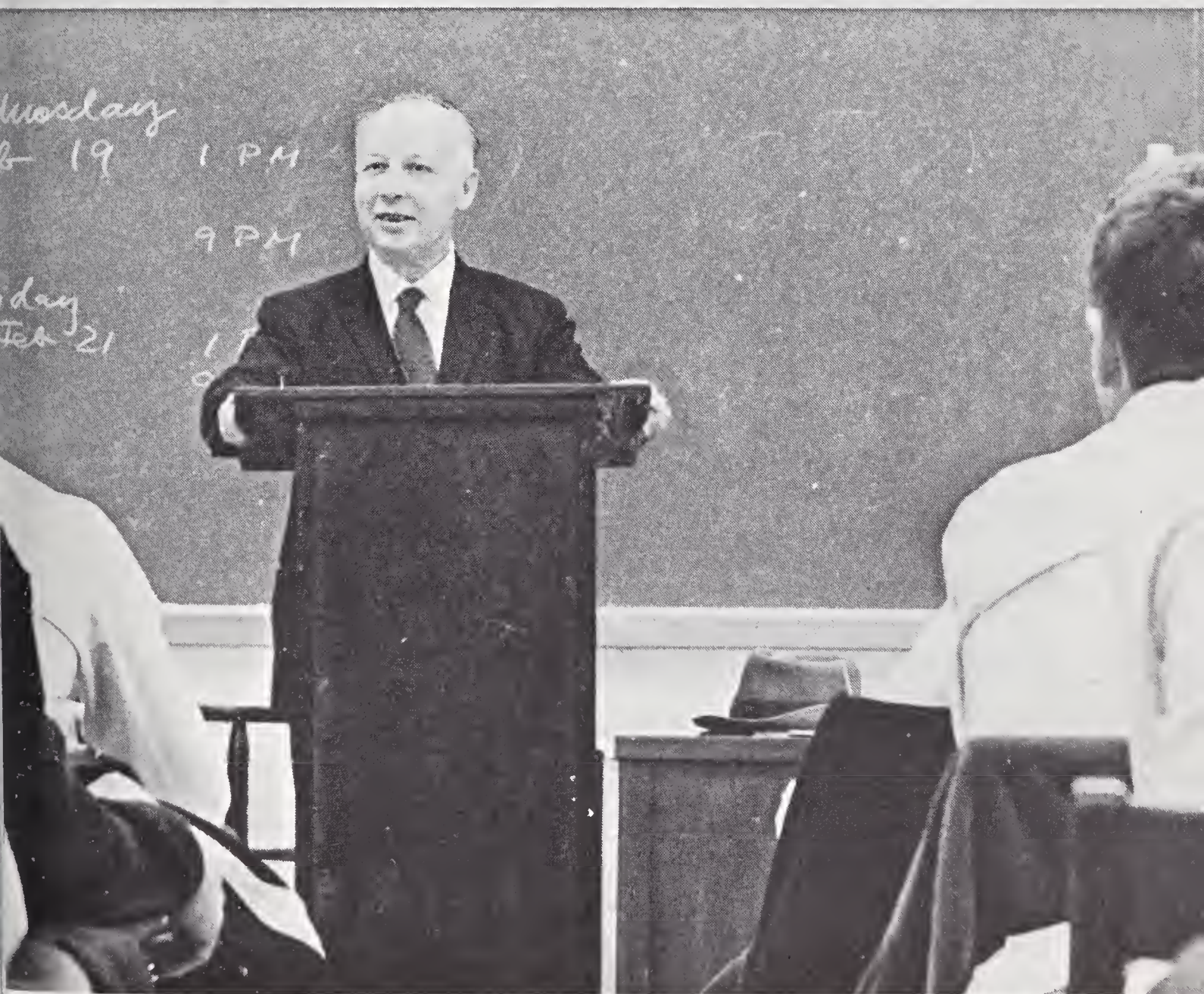
*Students are expected to learn the college requirements and regulations which are applicable to them, and are individually responsible for meeting all such requirements and regulations.*

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





# V. Curricula And Degrees





## V. CURRICULA AND DEGREES

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

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

Art	History
Economics	Political Science
English	Sociology
French	Spanish

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

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

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

Elementary School	Mathematics
Grades 1-8	Science
Secondary School	Biology
Business Education	Chemistry
English	Social Studies
Foreign Languages	Special Subjects (Grades 1-12)
French	Art
Spanish	Music
Home Economics	Physical Education and Health

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



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

		Freshman Year		
Fall Semester				Credits
English	105	Composition .....		3
Mathematics	107	College Algebra .....		3
Biology	101	General Botany .....		4
Physical Education	101	General Physical Education .....		1
History	107	Western Civilization .....		3
Political Science	201	American Government .....		3
				17
Spring Semester				
English	196	Composition .....		3
Mathematics	108	Plane Trigonometry .....		3
Biology	102	General Zoology .....		4
Physical Education	102	General Physical Education .....		1
History	108	Western Civilization .....		3
Economics	201	General Economics .....		3
				17
		Sophomore Year		
Fall Semester				
English	205	World Literature .....		3
or				
English	329	English Literature .....		3
or				
Language		.....		3
Chemistry	111	General Chemistry .....		4
Sociology	201	Principles of Sociology .....		3
Psychology	101	General Psychology .....		3
Geology	111	General Geology .....		4
Physical Education	101	General Physical Education .....		1
				18
Spring Semester				
English	206	World Literature .....		3
or				
English	330	English Literature .....		3
or				
Language		.....		3
Chemistry	112	General Chemistry .....		4
Philosophy	300	Introduction to Philosophy .....		3
or				
Philosophy	302	Introduction to Logic .....		3
Geography	201	Principles of Geography .....		3
or				
Music	230	Introduction to Music .....		3
or				
Religion	111	Origin and Background of Bible .....		2
Free Elective		.....		3
Physical Education	102	General Physical Education .....		1
				16-17

## MINIMUM GENERAL EDUCATION REQUIREMENTS

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

## B.A. OR B.S. DEGREE

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

TOTAL 50-56 semester hours\*

## Certification Requirements (subject-matter preparation)

4 hrs. Lab. Science, in addition to the regular 8 hours of Lab. Science  
(Elementary majors only)

6 hrs. American History

Note: French or German must be taken by Science Majors

Math. 105 will not be taken by mathematics majors or science majors. Instead they will take the mathematics course suggested by their department head.

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

An English proficiency test is required of certain students, see page 38.

## MAJORS AND MINORS

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

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



## SELECTIVE ADMISSION TO TEACHER EDUCATION PROGRAM

Students applying for admission to the teacher education program leading to certification must have completed at least two semester hours of college work and may not be on scholastic probation. A statement of scholastic eligibility signed by the Registrar and the applicant's major Department Head must be presented to the Teacher Education Committee before enrollment in the beginning course (Education 227) can be deemed official. Before enrolling in the second professional course (Psychology 202), the student must present a minimum scholastic average of "C" on courses completed at the time of enrollment.

The Teacher Education Committee selectively admits candidates to the teacher education program on the basis of scholastic aptitude, personality, and suitability for teaching. The initial screening and selection begins in Education 227 with continuous evaluation of the candidate's aptitude and fitness occurring throughout his college program. Students advised to withdraw from candidacy for the teaching certificate are, where possible, advised into other areas for which they seem to be more suited.

## ADMISSION TO THE PROFESSIONAL SEMESTER

During the senior year, the candidate for a teaching certificate enrolls in the professional semester which 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 comprising the professional semester. One half of the semester is spent in accelerated classes in professional education on campus; the remainder of the semester is spent in off-campus, full-time student teaching in the public schools. Only students meeting at least the minimum requirements for admission to the professional semester are admitted.

In order to be eligible for enrollment in the professional semester, a candidate (1) must have completed all required general education courses; (2) must be within not more than one summer of graduation upon completion of the professional semester; (3) must not lack more than six semester hours of completing the requirements in his major field of study; (4) must have earned a quality point average of at least 2.0 in all work attempted at this institution; and (5) must have earned at least 2.30 in his major field. Finally, the candidate must present a certificate of eligibility signed by his major department head and by the Registrar, and be approved for admission by the Teacher Education Committee.

## NATIONAL TEACHERS EXAMINATION

All candidates for teacher certification in North Carolina must take the National Teachers Examination. This Examination is



given at various times and places throughout the year under arrangements made by the Education Testing Service, Princeton, New Jersey. Information and application forms may be obtained from the Head of the Education Department.

### **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 students and teachers. It provides prospective teachers with an acquaintance of the "tools of their trade". It is an essential part of teacher education containing professional and instructional materials needed to support all areas of the teacher education program (ex. textbooks used in elementary and secondary schools, teaching units, courses of study, instructional media and equipment, curricular patterns, and supplies and materials for production and preparation of teaching material.)

### **THE READING CENTER**

Pembroke State College maintains a center for the improvement of reading, and for instruction in how to study, reading comprehension, vocabulary and rate. Facilities and equipment are designed for diagnosing reading difficulties and for achieving peak skills in reading efficiency and comprehension. Services of the center are available to any Pembroke State College 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 students and faculty members from all academic departments of the college.



# VI. Student Life And Affairs





## VI. STUDENT LIFE AND AFFAIRS

### STUDENT GOVERNMENT

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

### ATHLETICS

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

### CULTURAL PROGRAMS

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

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

### RELIGIOUS ORGANIZATIONS

Student religious groups organized on the campus include the Baptist Student Union, Canterbury Club, King's Pentecostal Fellowship, Methodist Student Movement, Newman Club, and the Westminster Fellowship. During the spring semester the college 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 College are elected by a joint faculty-student committee. The Marshals officiate at all formal college functions.

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

### CLUBS, ORGANIZATIONS, AND CAMPUS ACTIVITIES

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

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

The Band is open to all students regardless of major. The band appears in parades and festivals in addition to 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 officiating at athletics 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 college on tour.

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

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

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

The Collegiate 4-H Club is open to all who wish to promote the ideals set forth by the 4-H Club and who wish to have fellowship with other Collegiate 4-H Clubs.

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

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

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

The Health, Physical Education, and Recreation Club is open to second semester freshmen and upperclassmen who are physical education majors.

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

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

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

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

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

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

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

The Psychology Club is open to all students interested in Psychology.

The Singers is open to all students regardless of major. The Singers is a mixed vocal ensemble which specializes in per-



forming popular folk songs before campus groups and local civic organizations, and on college tours.

The Student Music Educators National Conference is open to all students interested in music and music education.

The Student National Education Association is open to all students interested in the affairs of public 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 on college tours.

The Young Americans for Freedom is open to all students interested in conservative national politics.

The Young Democrats Club is open to all students interested in the National Democratic Party.

The Young Republicans Club is open to all students interested in the National Republican Party.

## STUDENT HOUSING

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

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

Pembroke State College provides adequate dormitory housing for both men and women. Each room is arranged to accommodate two occupants. Each room is furnished with basic items, but residents may bring rugs, curtains, et cetera. Students furnish



their own study lamp, towels, pillows, and blankets. Sheets and pillow cases are provided by the college. Daily janitor service is provided for the building; however, each student is expected to make his bed and keep his own room in order.

Application for rooms in dormitories should be directed to the Director of Student Housing, Pembroke State College, Pembroke, North Carolina, accompanied by a reservation fee of \$25.00. Failure to occupy a room reserved for you will automatically forfeit your deposit. This deposit is refundable at graduation, or termination of college residence, less any breakage and damage. Requests for deposit returns **must be in this office no later than AUGUST 15!**

### HOUSING FOR MEN

The college has dormitory space on campus for 231 young men. Housing for young men is also available in town. The housing office maintains a list of private housing units which have been very satisfactory in previous years. The housing office makes every effort to assist young men in finding private housing in town when college housing is not available.

### HOUSING FOR WOMEN

Currently, the college has dormitory space for 200 young ladies. We have a Head Dormitory Supervisor and an Assistant who live in the dormitory and who assist the young ladies in adjusting to college life.

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

### MEAL BOOKS

All dormitory residents are required to purchase a minimum amount of \$150.00 in meal books each semester. Meal books are valid only in the 9 month academic year issued and additional books must be purchased for summer sessions. **LOST MEAL BOOKS WILL NOT BE REPLACED BY THE COLLEGE.**

Refunds for unused meal books will be made on a prorated basis if a student withdraws officially from school prior to mid-semester. No refunds under any condition will be made after mid-semester. If a student takes all his meals in the cafeteria the estimated cost per semester is \$200-225.

Students living off-campus may purchase meal books from the Business Office and may use the cafeteria. These meal books are non-refundable.

## SUMMER HOUSING

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

## COUNSELING SERVICES

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

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

## HEALTH SERVICES

Pembroke State College is proud of its modern 22-bed infirmary, which offers 24-hour coverage and the services of a qualified physician.

## DISCIPLINE

Pembroke State College is an institution for the education of young men and women who expect to take their places as responsible, trustworthy citizens of their country. It takes for granted that students will not be guilty of unmanly or unwomanly conduct.

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

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

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

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



## **VEHICLE REGISTRATION**

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

Students, faculty, and staff members alike are subject to 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.

## **ADDITIONAL FRATERNITIES AND SORORITIES NOT LISTED PREVIOUSLY**

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

The American Marketing Association Club is open to all students majoring in any curriculum offered by the Department of Business Administration and Economics.

The Kappa Delta Omicron Sorority is a social organization dedicated to enhancing the social life on campus. Many projects are undertaken by Kappa Delta Omicron Sorority each year. It also functions as a service organization.

The Theta Kappa Sorority is a social organization dedicated to enhancing the social life on campus. Many projects are undertaken by Theta Kappa Sorority each year. It also functions as a service organization.



## VII. Student Finances



## VII. STUDENT FINANCES

Financial aid is available to worthy students through grants, scholarships, campus employment, and loans. Students who wish to apply for financial assistance must file a Parents' Confidential Statement. These forms may be obtained from a high school guidance counselor or from the Office of Financial Assistance at Pembroke State College. Forms should be completed by student and parents and mailed to Princeton with Pembroke State College designated as the institution to receive the analysis sheet. In order for an application to be considered, it must be in the Office of Financial Aid prior to March 15.

Financial assistance will be made on the basis of demonstrated need and scholarship.

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

### SCHOLARSHIPS

#### 1. Academic Scholarships

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

#### 2. Educational Opportunity Grants

The purpose of the program is to provide Educational Opportunity Grants to students of exceptional financial need, who, for lack of financial means of their own or of their families, would be unable to enter or remain in institutions of higher education without such assistance. Grants from \$200-\$1,000 are available to students who qualify.

#### 3. Athletic Scholarships

The Alumni of Pembroke State College have provided funds to aid young men 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 College.

#### 4. North Carolina Tuition Grants

Funds allocated by the North Carolina legislature annually are made available to residents of North Carolina in attendance at Pembroke State. These grants are limited to basic tuition costs.

#### 5. Home Economics Scholarship

This fund was established to provide financial assistance to students majoring in home economics at Pembroke State College. The awarding of this scholarship is the responsibility



of the club adviser and the faculty members of the Home Economics Department.

## LOAN FUNDS

### 1. National Defense Education Act Loan Fund

Assistance is in the form of loans which bear no interest until repayment begins, and 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 College 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 based upon their previous records and upon need.

### 2. North Carolina State Scholarship Loan Fund for Prospective Teachers

Students desiring loans of this type should make application to the North Carolina State Department of Education, Raleigh, North Carolina. This fund provides \$600 per year to aid prospective teachers.

### 3. College Foundations, Incorporated

The banks of North Carolina have formed the College Foundation to act as a single lending agency in this state. Residents of North Carolina may borrow up to \$1,000 per academic year from this foundation with endorsement of the College. Under the Higher Education Act of 1965, the government will pay the interest on these loans up to 7 per cent on the principal while the student borrower is in college. The borrower pays the full 7 per cent during the repayment period. Applications are secured from the Financial Aid Office.

### 4. Memorial Emergency Loan Fund

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

### 5. Home Demonstration Club Loan Fund

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



**6. Herbert G. Oxendine Memorial Loan Fund**

This fund was established by friends of the late Dr. Herbert G. Oxendine who for many years taught at Pembroke State College. Because of Dr. Oxendine's great interest in education and Pembroke State College, it was the desire of his many friends to establish a fund in his name to aid students in furthering their education.

**7. James Fulton Lowry Memorial Loan Fund**

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

**8. John J. and Steve Brooks Memorial Loan Fund**

In memory of her dearly beloved husband and son, Mrs. John J. Brooks established this fund. Mr. Brooks was an alumnus of this institution and an educator in this county for many years. He was extremely concerned that qualified people be given an opportunity to further their education. Steve also attended Pembroke State College.

**9. L. W. Jacobs Memorial Loan Fund**

In honor of a pastor who served this community over half a century, Mt. Airy and Harpers Ferry Baptist Churches established this fund. Serving as Chairman of the Board of Trustees at Pembroke State College for over 30 years, Rev. Jacobs was keenly aware of the financial problems many students face as they endeavor to continue their education. Rev. Jacobs was a man who believed that all qualified people should be afforded an educational opportunity.

## STUDENT EMPLOYMENT

**1. Many job opportunities are available to students desiring financial aid.**

These positions are with the library, cafeteria, switchboard, administrative and departmental offices, and laboratories. The pay rate is \$1.50 per hour.

**2. The Work-Study Program of the Economic Opportunities Act of 1964.**

Job opportunities are available to students who have very limited financial resources for the purpose of aiding them with college expenses. These jobs provide learning opportunities as well as financial aid. The pay rate for these jobs is \$1.50 per hour.

## VETERANS

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

## STUDENT FEES

It is the policy of the administration and trustees to keep the cost of a college education as low as possible. The fees now in effect are, however, subject to change without notice. Since Pembroke State College 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

1. **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 six months next preceding the date of first enrollment or re-enrollment in an institution of higher education in this State.
2. **Minors:** The legal residence of a person under twenty-one 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 order 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.

A minor student whose parents move their legal residence from North Carolina to a location outside the State shall be considered to be a nonresident after six months from the date of removal from the State.

For the purpose of determining residence requirements under these rules, a person will be considered a minor until he has reached his twenty-first birthday. Married minors, however, are entitled to establish and maintain their residence in the same manner as adults. Attendance at an institution of higher education as a student cannot be counted as fulfilling the six-month domicile requirement.



3. **Adults:** A person twenty-one years of age or older is eligible for in-state tuition if he has maintained continuous domicile in North Carolina for the six months next preceding the date of enrollment or re-enrollment, exclusive of any time spent in attendance at any institution of higher education. An in-state student reaching the age of twenty-one is not required to reestablish residence provided that he maintains his domicile in North Carolina.
4. **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 six months under the same conditions as she could if she were single.
5. **Military Personnel:** No person shall be presumed to have gained or lost in-state residence status in North Carolina while serving in the Armed Forces. However, 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 for at least the six months next preceding his or their enrollment or re-enrollment in an institution of higher education in this State.
6. **Aliens:** Aliens lawfully admitted to the United States for permanent residence may establish North Carolina residence in the same manner as any other nonresident.
7. **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.
8. **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 and may not thereafter be changed except: (a) in the case of a nonresident student at the time of his first enrollment who, or if a minor his parents, has subsequently maintained a legal residence in North Carolina for at least six months, and (b) in the case of a resident who has abandoned his legal residence in North Carolina for a minimum period of six months. In either case, the appropriate tuition rate will become effective at the beginning of the term following the six-month period.
9. **Responsibility of Student:** 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 of this circumstances 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.—\$7.50 per sem. hr. in-state, \$25.00 out-of-state) .....	75.00	250.00
Activity Fee .....	23.00	23.00
General Fee .....	5.00	5.00
Health Service .....	7.00	7.00
Health and Accident Insurance .....	7.00	7.00
Room .....	100.00	100.00
Board (15 Meal Books Required) .....	150.00	150.00
Linen .....	10.00	10.00
	\$385.00	\$560.00
For Students not living on campus:		
Deduct: Room, Board, Linen .....	260.00	260.00
Total	\$125.00	\$300.00

**LIST OF FEES**

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



Tuition

North Carolina residents .....	75.00
Out-of-State residents .....	250.00

Student who carry fewer than 10 hours in any semester are charged at the rate of \$7.50 per hour for North Carolina residents and \$25.00 per hour for non-residents.

Activity Fee .....	23.00
--------------------	-------

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

Art Series .....	3.00	Newspaper .....	2.00
Athletics .....	8.00	Student Center .....	1.00
Band & Chorus .....	1.00	Student Government ..	2.00
Dramatics .....	1.00	Yearbook .....	5.00

All students taking 6 hours or more are required to pay this fee.

General Fee .....	5.00
-------------------	------

This fee must be paid each semester. It goes to maintain laboratory, library, and other special supplies and equipment.

Health and Accident Insurance .....	7.00
-------------------------------------	------

Protection begins 48 hours before the official opening of the regular school session and ends 48 hours after its official close. The insurance covers X-rays, laboratory costs, hospital bills, nurses, physicians, and surgeons fees. More detailed information may be obtained from the college nurse. All students taking 6 or more hours are required to pay this fee.

Health Service .....	7.00
----------------------	------

This fee is used to operate the college infirmary.

Room (Per Semester) .....	100.00
---------------------------	--------

Board (Per Semester) .....	150.00
----------------------------	--------

Dormitory residents are required to purchase a minimum of 15 meal books each semester at \$10.00 per book. Persons not residing in the dormitory may purchase meal books if they so desire. Meal books are valid only in the 9 month academic year in which issued.

Linen .....	10.00
-------------	-------

Required of all dormitory students.

Vehicle Registration Fee .....	1.00
--------------------------------	------

A vehicle registration permit is valid for one full year, Sept. 1, through Aug. 31.

**SUMMER FEES**  
(Each 5 Week Session)

Registration .....	4.00
Tuition (Per semester hour)	
North Carolina residents .....	7.50
Non-Residents .....	25.00
General Fee .....	5.00
Health Service .....	1.00
Room .....	30.00
Board (Four meal books) Required of dormitory students	40.00
Linen .....	3.00

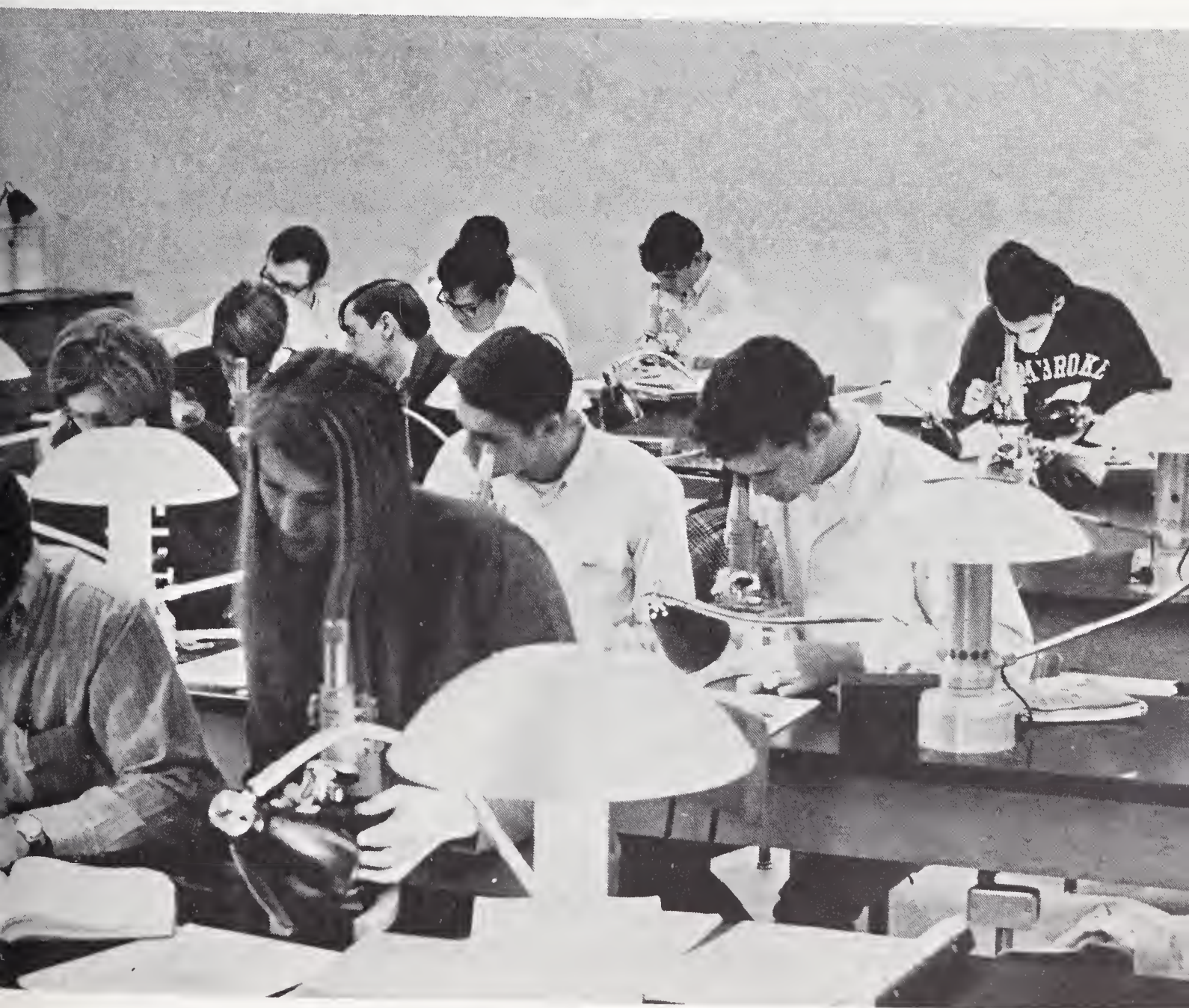
**REFUND POLICY**

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





# VIII. Courses Of Instruction





## VIII. COURSES OF INSTRUCTION

### ART

*Head:* REYNOLD D. TOLER

GILBERT DEMEZA  
EDWARD CARROLL HALE

KRISTINE HOTVEDT  
\*JOSEPH H. JONES

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

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

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

#### **B.S. Requirements:**

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

#### **B.S. Art Major Requirements:**

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

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

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

#### **A.B. Requirements:**

23 semester hours of lower level art studios: 100, 101, 102, 105, 107, 111, 132, 133, 151. (All freshman classes, which are

\* National Teaching Fellow

open to art majors, are required. Required freshman classes are not counted towards an art major.)

### **A.B. Art Major Requirements:**

6 semester hours, Advanced History of Art

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

9 semester hours, Area of Secondary Interest: Sculpture, Painting, Ceramics, Drawing and Graphics, or Commercial Art\*

3 semester hours, Art Electives

### **Requirements for a Studio Minor in Art:**

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

### **Requirements for a General Studio Minor in Art:**

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

### **Requirements for an Art History and Theory Minor:**

Art 100, 300 and fifteen hours of 300 or 400 Art History courses. (A.B. studio art majors may minor in art history and theory with the permission of the department head. These majors may substitute the required art history courses in the A.B. major with art electives.)

## **100. Art Concepts**

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

## **101. Two-Dimensional Design**

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

## **102. Three-Dimensional Design**

Prerequisite: Art 101

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

## **103. Introduction to Design**

An introductory course aimed at studying the elements of two-dimensional design. Fall; three double laboratory periods weekly. Credit, 3 semester hours. (Not open to art majors and minors.)

\*Special commercial art, drawing and graphics projects can be taken on an individual basis under 301, 302, 401, 402, and 455.



**105. Introduction to Sculpture**

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

**107. Art Anatomy**

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

**111. Introduction to Ceramics**

Introduction to basic forming and decorating methods of ceramics. The student will study mixture of glazes from recipes. Basic firing procedures and ceramic aesthetics will be introduced. Fall, spring; three double laboratory periods weekly. Credit, 3 semester hours.

**132. Introduction to Drawing**

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

**133. Introduction to Painting**

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

**140. Introduction to Graphics**

A survey course aimed at the study of basic techniques and procedures in graphic arts. Studio projects include problems in serigraphy, lithography, wood cuts and wood engravings. Fall; three double laboratory periods weekly. Credit, 3 semester hours.

**151. Lettering**

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

**205. History and Appreciation of Art**

To establish an understanding of art, to develop an appreciation for the relation between art and man, and to study art in a cultural environment. Fall, spring; three recitations weekly. Credit, 3 semester hours. (Cannot be applied toward a major or minor in art.)

**250. Advertising Design**

Prerequisite: Art 151

An introduction to applied lettering, layout, story illustration, and general graphic advertising. Fall, spring; two double laboratory periods weekly. 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. Spring; three double laboratory periods weekly. 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 students 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. Spring; two recitations weekly. Credit, 2 semester hours.

**301, 302. Advanced Design**

Prerequisite: Art 101-102

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

**307. Art Education in the Public School**

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

**308. Public School Art Curriculum**

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

**315. Sculpture**

Prerequisite: Art 105

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

**316. Advanced Sculpture**

Prerequisite: Art 315

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

**331, 332. Advanced Drawing and Painting**

Prerequisites: Art 131-132

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

**341. Ceramics**

Prerequisite: Art 111

A further studio study of creative methods and aesthetics introduced in Art 111. Basic glaze theory and firing management is covered in addition to compounding clay bodies for specific ceramic techniques. Fall; three double laboratory periods weekly. Credit, 3 semester hours.



**342. Advanced Ceramics**

An advanced study of problems in the production of sets and formulation of original glazes. Spring; three double laboratory periods weekly. 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. Fall, spring; three double laboratory periods weekly. Credit, 3 or 6 semester hours.

**405. Seminar in Art Education**

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

**407, 408. Art Supervision**

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

**415. Advanced Sculpture**

Prerequisite: Art 316

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

**416. Advanced Sculpture**

Prerequisite: Art 415

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

**421. Ancient and Medieval Art History**

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

**422. Italian Renaissance Art History**

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

**423. Modern Art History**

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

**424. Contemporary Art History**

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

**425. European Art History, 1500-1800**

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

**426. Art History of the United States**

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

**435. Advanced Painting**

Prerequisite: Art 332

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

**436. Advanced Painting**

Prerequisite: Art 435

A course for the student's personal development of individual expression in painting. Spring; three double laboratory periods weekly. Credit, 3 semester hours.

**441. Advanced Ceramics**

Prerequisite: Art 342

Studio projects in compounding whitewares (porcelanous bodies) and the study of problems peculiar to these bodies. The formulation of suitable glazes and special aesthetic problems will be considered. Fall; three double laboratory periods weekly. Credit, 3 semester hours.

**442. Advanced Ceramics**

Prerequisite: Art 441

The assignment of creative ceramic problems in line with individual student interest and needs. Spring; three double laboratory periods weekly. 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. Fall; three double laboratory periods weekly. Credit, 3 semester hours.

**455. Independent Study in Art**

Prerequisites: Introductory course in chosen area and approval of Department Head.

Directed reading, research and problem solving in the student's major or secondary area of interest. This course is designed to fulfill individual and specific needs of the art major in his particular area of advanced study. Fall, spring; three double laboratory periods weekly. Credit, 1 to 3 semester hours.

**BIOLOGY**

*Head:* ROBERT F. BRITT

\*FRED W. BECKERDITE

\*\*JAMES B. EBERT

DAVID K. KUO

JOSEPH A. MCGIRT

ROBERT L. MASON

HAROLD D. MAXWELL

CHANDRA P. MISRA

The objectives of the Biology Department are to afford students an opportunity to gain an understanding of themselves and their environment and thus be able to take a fuller,

\*National Teaching Fellow.

\*\*On leave.



more satisfying role in society; to train students in their ability to reason inductively and deductively and 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.

## BIOLOGY MAJOR

Required Courses	Hrs.
General Botany, 101 .....	4
General Zoology, 102 .....	4
Principles of Ecology, 304 .....	4
Cell Biology, 371 .....	4
Principles of Genetics, 472 .....	4
One course selected from the following:	
Comparative Anatomy, 221 .....	4
Embryology, 222 .....	4
Invertebrate Zoology, 310 .....	4
	.. 4
One course selected from the following:	
Morphology of the Non-Vascular Plants, 231 .....	4
Morphology of the Vascular Plants, 232 .....	4
Plant Taxonomy, 340 .....	4
	.. 4
Electives within the Department .....	2-4
	<hr style="width: 100%; border: 0.5px solid black;"/>
	30-32
Chemistry, 111-112 .....	8
Mathematics, 107-108 .....	6

## BIOLOGY MINOR

Required Courses	Hrs.
General Botany, 101 .....	4
General Zoology, 102 .....	4
Electives within the Department .....	10-12
	<hr style="width: 100%; border: 0.5px solid black;"/>
	18-20
Chemistry, 111 .....	4

### 101, 102. General Botany, General Zoology

A course designed to introduce the student to the plant and animal kingdoms, to provide a knowledge of the principles of biology, and to give the student an appreciation of the natural world. A prerequisite to all other courses in biology. Fall, spring; three recitations, one 2-hour laboratory period weekly. Credit, 4 semester hours each.

### 201. Economic Botany

A study of the origin, distribution, propagation and use of the economically important plants. Fall, three recitations weekly. Credit, 3 semester hours. 1969-70 and alternate years.

### 211-212. Human Anatomy and Physiology

Prerequisites: Biology 101, 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 recitations, one 2-hour laboratory period weekly. Credit, 8 semester hours.

**221. Comparative Anatomy**

Comparative studies of the various organs and systems of vertebrates with laboratory emphasis on the lamprey, dogfish shark, salamander, and the cat. Fall; two recitations and two 2-hour laboratory periods weekly. Credit, 4 semester hours. 1969-70 and alternate years.

**222. Embryology**

Early developmental biology leading to organogenesis. Laboratory emphasis on the chick. Spring; two recitations and two 2-hour laboratory periods weekly. Credit, 4 semester hours. 1968-69 and alternate years.

**231. Morphology of the Non-Vascular Plants**

A comprehensive survey of the algae, fungi, and bryophytes dealing with structure, form, and reproduction. Fall, three recitations and one 2-hour laboratory period weekly. Credit, 4 semester hours. 1968-69 and alternate years.

**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; three recitations and one 2-hour laboratory period weekly. Credit, 4 semester hours. 1968-69 and alternate years.

**301. Entomology**

An introduction to the study of insects. Special emphasis on common insects and on those that are either distinctly helpful or harmful to man. A collection with identification required. Fall; one recitation and two 2-hour laboratory periods weekly. Credit, 3 semester hours. 1968-69 and alternate years.

**304. Principles of Ecology**

An introduction to the principles and materials of ecological research. At least two Saturday field trips are required. Fall; three recitations and one 2-hour laboratory period 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, two recitations and one 2-hour laboratory period weekly. Credit, 3 semester hours. 1969-70 and alternate years.

**310. Invertebrate Zoology**

A survey of the major invertebrate phyla, emphasizing the marine representatives. At least two Saturday field trips are required. Fall; two recitations and two 2-hour laboratory periods weekly. Credit, 4 semester hours. 1969-70 and alternate years.

**315. Microbiology**

Prerequisites: Biology 101, Chemistry 111

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; two recitations and two 2-hour laboratory periods weekly. Credit, 4 semester hours. 1968-69 and alternate years.



**319. Animal Parasitology**

An introduction to the classification, morphology, life history, and control of some common parasites. Fall, two recitations and one 2-hour laboratory period weekly. Credit, 3 semester hours. 1969-70 and alternate years.

**340. Plant Taxonomy**

An introduction to systematic botany with emphasis on identification of the local vascular flora. Spring; two recitations and two 2-hour laboratory periods weekly. Field trips as announced. Credit, 4 semester hours. 1969-70 and alternate years.

**350. Ornithology**

Classification and identification of birds; life histories; feeding habits; nesting habits; theories of migration; economic importance. Spring; one recitation and two 2-hour laboratory periods weekly. Credit, 3 semester hours. 1968-69 and alternate years.

**354. Plant Physiology**

Prerequisites: Biology 101, Chemistry 111, 112

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; three recitations and one 2-hour laboratory period weekly. Credit, 4 semester hours. 1968-69 and alternate years.

**360. Dendrology**

A taxonomic survey of native and introduced woody plants. Summer school, five recitations and ten laboratory hours weekly. Credit, 4 semester hours.

**371. Cell Biology**

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

A study of cellular ultrastructure and physiology. Fall; two recitations and two 2-hour laboratory periods weekly. Credit, 4 semester hours.

**376. Endocrinology**

A study of the morphology and physiology of vertebrate endocrine systems. Growth, metabolism and reproduction will be emphasized. Spring, three recitations and one 2-hour laboratory period weekly. Credit, 4 semester hours. 1969-70 and alternate years.

**410. Research in Biology**

Prerequisite: Consent of the instructor and approval of 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; three recitations and one 2-hour laboratory period weekly. Credit, 4 semester hours. 1968-69 and alternate years.

**422. Evolution**

Prerequisite: Consent of the instructor

An introduction to and analysis of the concept of organic evolution,

mutation, adaptation, selection, competition, and origin of species are considered. Spring; three recitations weekly. Credit, 3 semester hours. 1969-70 and alternate years.

#### 430. Animal Ecology

Prerequisite: Biology 304

A study of animal ecology with emphasis on adaptations to various habitats and interorganismic relationships. Spring, three recitations and one 2-hour laboratory period weekly. Credit, 4 semester hours. 1969-70 and alternate years.

#### 472. Principles of Genetics

Prerequisites: Chemistry 111, 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, qualitative and quantitative aspects of genetic variation. A general survey of human genetics is also considered. Spring; three recitations and one 2-hour laboratory period weekly. Credit, 4 semester hours.

### METHODS

#### 400. Biology Education. Methods of Teaching Biology

Purposes, methods, materials and evaluation procedures in Biology; preparations of teaching plans and materials. Credit, 3 semester hours.

## BUSINESS ADMINISTRATION AND ECONOMICS

*Head:* KARL SCHEELE

GEORGE AMMONS

\*\*JERRY INGRAM

COUNCIL JARMAN

JOSEPH PEARCE

\*GORDON RUSSELL

\*\*JOHN TARVER

NORMAN THOMPSON

\*\*VICTOR WOLF

\*GILROY ZUCKERMAN

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

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

### I. Business Administration

Requirements: Business Administration 227, 228, 312, 315, 316, 406, 409, 415, 416 and nine hours electives in Business Administration above the freshman level. The minor has to be in Economics.

\*National Teaching Fellow.

\*\*On Leave.



**II. Business Administration with Emphasis on Accounting**

Requirements: Business Administration 230, 315, 316, 409; and also the following eight accounting courses: Business Administration 227, 228, 321, 322, 417, 424, 458, and 462. These accounting courses meet present state requirements for C.P.A. certification. The minor has to be in Economics.

**III. Business Education with a Comprehensive Business Program**

In addition to the basically required courses, the following three shorthand courses are required. Bus. Education courses 213, 214, 313.

**IV. Business Education with a Basic Business Program**

Courses required in addition to the basic professional courses listed below are Bus. Adm. 321 and Econ. 202.

**V. Economics**

Requirements: Economics 201, 202, 301, 304, 330, 401, Business Administration 227, 228, 312, 406, 409, 415, and 12 elective hours in Economics.

**Note:**

For certificates in Business Education there are, besides the General Education requirements on page 44 of the current catalog, the following basic professional requirements:

- a. Bus. Education courses: 102, 201, 202, 403, 453.
- b. Bus. Adm. courses: 104 or 209, 227, 228, 312, 315, or 316, 415 or 416.
- c. Economics course: 201
- d. Psychology course: 202
- e. Education course: 227
- f. Practice (last sem.): Psy. 404, Ed. 400, 428, 431

**Minor in Business Administration**

Required are: Business Administration courses 227, 228, 312, 406, and six hours electives in Business Administration above the freshman level.

**Minor in Economics**

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

**BUSINESS ADMINISTRATION****104. Business Mathematics**

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

**209. Business Organization**

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

**227, 228. Principles of Accounting I and II**

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

**230. Individual Income Tax Accounting**

Prerequisite: Bus. Admin. 227

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

**305. Principles of Insurance**

Prerequisite: Bus. Admin. 228

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

**312. Marketing**

Prerequisite: Bus. Admin. 228

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

**315. Business Law I**

Prerequisite: Bus. Admin. 227

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

**316. Business Law II**

Prerequisite: Bus. Adm. 227

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

**320. Advertising**

Prerequisite: Bus. Admin. 227

The principles, practices, and effects of advertising, including cost, means, and media. Fall; three recitations weekly. Credit, 3 semester hours.

**321, 322. Intermediate Accounting I and II**

Prerequisite: Bus. Admin. 228

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

**406. Principles of Industrial Management**

Prerequisite: Bus. Admin. 228

A general management course designed for all majors. Discussion topics include: management principles, employee relations, ratings, wage plans, systems analysis, budget and cost calculation. Fall; three recitations weekly. Credit, 3 semester hours.

**408. Personnel Management**

Prerequisite: Bus. Admin. 228

The human phase of organization, personnel efficiency, handling personnel situations, developing work-teams, labor relations and administration of matters affecting the personnel of an organization. Spring; three recitations weekly. Credit, 3 semester hours.



**409. Business and Economic Statistics**

Prerequisite: Bus. Admin. 228

A general statistics course designed for all majors. Fall; two recitations and two laboratory periods weekly. Credit, 3 semester hours.

**415. Business Finance I**

Prerequisite: Bus. Admin. 228

The basic principles of business finance as they apply to various forms of business organizations: financial planning, funds from operations; short-term and intermediate-term loan capital. Fall; three recitations weekly. Credit, 3 semester hours.

**416. Business Finance II**

Prerequisite: Bus. Adm. 228

The basic principles of business finance, including long-term business debts, owner's equity, financing of small business, business promotion, recapitalization, reorganization, and liquidation of business firms. Spring; three recitations weekly. Credit, 3 semester hours.

**417. Intermediate Income Tax Accounting**

Prerequisite: Bus. Admin. 230

A technical treatment including partnership and corporation reporting of income to the federal government. Spring; three recitations weekly. Credit, 3 semester hours.

**420. Salesmanship**

Prerequisite: Bus. Admin. 228 and 312

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

**424. Cost Accounting**

Prerequisite: Bus. Admin. 228

Job, process and standard costing. Fall; three recitations weekly. Credit, 3 semester hours.

**435. Marketing Policies**

Prerequisites: Bus. Admin. 228 and 312

Designed to aid the student in solving marketing problems. Policy formulation in such areas as product strategy, pricing, product promotion, channels of distribution, operation analysis and control. Fall; three recitations weekly. Credit, 3 semester hours.

**451. Industrial Psychology**

Prerequisite: Psychology 101 or 202

A direct application of behavioral science to human relation problems in business and industry. Includes a study of the common adjustments, maladjustments, and factors related to obtaining employment and advancement in industry; group dynamics; and other factors related to improving working conditions and the enhancement of the employee. The same course as Psychology 451. Fall; three recitations weekly. Credit, 3 semester hours.

**458. Auditing**

Prerequisite: Bus. Admin. 321

Internal and independent procedures for this control technique. Spring; three recitations weekly. Credit, 3 semester hours.

**462. An Introduction to Automated Accounting Systems**

Prerequisite: Bus. Admin. 321

A study of data processing principles and simulated use of these principles in modern business. Spring; three recitations weekly. Credit, 3 semester hours.

**ECONOMICS****201. Principles of Economics I**

This course provides an overall picture of the operation of our economy. Emphasized are the following topics: An introduction to American capitalism, national income, level of employment, fiscal policy, monetary policy, and economic growth. Fall or Spring; three recitations weekly. Credit, 3 semester hours.

**202. Principles of Economics II**

Prerequisite: Econ. 201

This second part of the Principles course in economics concentrates on the determination of prices in competitive and monopolistic markets, the distribution of income along functional lines, international economics, and comparative economic systems. Fall or spring; three recitations weekly. Credit, 3 semester hours.

**301. Intermediate Micro-economic Theory**

Prerequisites: Economics 201-202

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

**304. Money and Banking**

Prerequisites: Economics 201-202

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

**306. Economic Geography**

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

**330. Public Finance**

Prerequisites: Economics 201-202

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

**340. International Trade**

Prerequisites: Economics 201, 202, 304

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

**341. Economic History of the United States**

Prerequisites: History 107, 108

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

**401. Intermediate Macro-economic Theory**

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

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

**406. Economic Systems**

Prerequisites: Economics 201, 202

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



**407. Economics of Labor**

Prerequisites: Economics 201, 202

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

**411. Development of Economic Thought**

Prerequisites: Economics 201, 202, 304, 330

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

**419. Senior Seminar in Economics**

Prerequisite: Consent of instructor

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

**BUSINESS EDUCATION****101, 102. Beginning Typewriting I and II**

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

**201. Advanced Typewriting I**

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

**202. Advanced Typewriting II**

Prerequisite: Business Education 201

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

**213, 214. Beginning Shorthand I and II**

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

**303. Business Communication**

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

**313. Advanced Shorthand I**

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

**314. Advanced Shorthand II**

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

**403. Office Management**

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

**413. Personal Finance**

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

**453. Secretarial Office Practice**

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

**METHODS****400. Business Education. Methods of Teaching Business Education**

Methods used in high school teaching of business subjects, with emphasis upon typewriting, shorthand, and bookkeeping. Fall and spring; five recitations weekly for one-half the semester. Credit, 3 semester hours.

**EDUCATION**

*Head:* L. L. MURRAY

RHODA P. COLLINS  
WILLIAM H. DEAN  
CARL M. FISHER  
CLIFFORD L. NIXON

RUTH H. NIXON  
GERALD L. PARKER  
HERMAN W. SHELLEY  
JANIE B. SILVER  
DANIEL E. TODD, JR.

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

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 College, keeping in mind that graduation and certification programs are not necessarily the same even though it is possible to achieve both in a planned college program (See Page 45).

## ELEMENTARY EDUCATION

### The Major

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

- I. The general education curriculum, 50-59 semester hours. (See page 44).
- II. Departmental Requirements
  - A. Professional Education, 27 semester hours.  
Pre-professional and professional courses including Education 227, 413, 421, 428, 475, and Psychology 202, 303.
  - B. Specialized Subject-Matter Preparation, 40 semester hours. Subject-matter preparation beyond the 50-59 semester hours are specified in the general curriculum. The required 40 hours are: Art 307; Speech 310; English 345; 373, 383 or 384; History 207-208; Mathematics 106; Music 309; Physical Education 311, 316; Geography, 3 semester hours other than 201; Science 305; and Health 101.
  - C. Electives, to total, when combined with I and II above, a minimum of 128 semester hours.

### 105. Reading Laboratory

A laboratory course designed to help Freshmen who are deficient in reading skills and effective study habits and for others referred by the several academic departments of the College. Individual diagnosis and instruction will be provided to meet specific reading needs of the student. Students are required to attend this laboratory until their improvement in reading reaches the level required to continue college level performance. Fall, Spring, and Summer; one class recitation, plus one laboratory period weekly. No credit.

### 200. Developmental Reading

This course is designed to help students improve their personal reading skills. Emphasis will be given to vocabulary development, reading comprehension, and rate of reading. Open to all students. Fall, Spring; three recitations weekly. Credit, 3 semester hours.

### 227. Foundations of Education I

Historical, philosophical, and sociological foundations of education in American society as they relate to the profession of teaching. The relation of the school to society and the place of education in the life of the individual and his culture. The nature of the American

democratic order, delineating its specific educational requirements. History and content of the main schools of philosophy and their significance for education. The role of the teacher and the school in the community and the role of the school in society. Federal, State, and local relationships in the provisions of education, with emphasis on the history of American education. (See page 45 for eligibility criteria.) Fall, spring, and summer; three recitations weekly. Credit, 3 semester hours.

### 300. Foundations of Early Childhood Education (Nursery and Kindergarten)

Prerequisite: Consent of Department Head

The course gives an overview of the purpose and procedure involved in teaching children—ages 3, 4, and 5. This includes the study of the historical, philosophical, sociological, and psychological relationships to the field. Students visit local programs in the surrounding area and each student develops a case study of one child in his school situation. Fall, spring, and summer; three recitations weekly. Credit, 3 semester hours.

### 301. Curriculum and Methods in Early Childhood Education

Prerequisite: Consent of Department Head

This course deals with techniques, materials, and resources utilized in Early Childhood Education. Each area of the curriculum is studied in depth as to academic value and method of presentation. Consideration is given to emotional and social adjustment, but emphasis is on the adaptation of materials to the developing intellect of the child. The attainment and use of suitable materials and equipment are considered. Emphasis is given to the utilization of family and community resources. Fall, spring, summer; three recitations weekly. Credit, 3 semester hours.

### 326. Problems, Materials, and Methods in Teaching Special Education

A study of the problems, materials, and methods in teaching special education with primary emphasis on the educable and trainable mentally retarded. Summer. Credit, 3 semester hours.

### 413P. Teaching Reading in the Primary Grades

A study of current trends, materials and practices for the teaching of reading skills in the primary grades. Specific emphasis on growth and development as they relate to beginning reading and readiness. Fall, spring, and summer; three recitations weekly. Credit, 3 semester hours.

### 413G. Teaching Reading in the Intermediate Grades

A study of reading as a developmental process as it relates to child development. Reading readiness at successive levels of development; principles, methods, and materials for acquiring effective reading attitudes and skills. Special emphasis will be given to individual differences, grouping, and directed reading activities. Fall, spring, and summer; three recitations weekly. Credit, 3 semester hours.

### 416. Principles of Guidance

A course dealing with the principles, methods, materials, and techniques of understanding the school child, his relationships with his peers, adults, school, and the world of work in his future. Included are the relationships with pupils, parents, teachers, administrators, and community. Spring or summer; three recitations weekly. Credit, 3 semester hours.



**420. Workshop in the Teaching of Reading**

Prerequisite: Education 413 or its equivalent

A study of current problems in the teaching of reading with emphasis upon materials, methods, phonics, and audio-visual aids. Includes demonstrations and research by students. Designed to give practical assistance in the teaching of reading in the public schools. Summer. Credit, 3 semester hours.

**421. Student Teaching in the Elementary School**

Provides continuous full-time student teaching experience in an off-campus public school at the grade level for which the candidate is preparing to teach. A variety of professional experiences beginning with purposeful observation and leading to gradual induction into full-time teaching experience, acquainting the student teacher with the wide range and varied relationships of the teacher's work. Formal and informal conferences with college supervisors and cooperating teachers and principals. Registration for student teaching permitted only when to be performed in conjunction with the professional semester, all of which must be completed at this college. Candidates may not complete registration for the professional semester until all criteria specified by the Department of Education for admission to the professional semester have been met. (See page 45 for eligibility criteria.) Fall and spring. Credit, 6 semester hours.

**423. Research in Elementary Education**

Designed for the exploration of individual interest areas. Student investigation, under the guidance of the instructor, of an approved problem of specific concern to the student. Regularly scheduled progress conferences between instructor and student for evaluative purposes. Scheduled only with approval of Chairman of the Department of Education. Fall, spring, or summer; three recitations weekly. Credit, 1 to 6 semester hours.

**428. Foundations of Education II**

This course provides an understanding of the purpose, organization, and administration of school systems, with special emphasis on the role of the teacher in the total education program. Also included are the following: curriculum patterns; articulation among programs of elementary, junior high, high school, and programs for continuation of education beyond the high school; policies and procedures for pupil accounting; promotion; co-curricular activities; legal basis and financial support for education; accreditation; teacher certification; and the teacher's role in relating the school to the community. Fall, spring, and summer; accelerated. Credit, 3 semester hours.

**455. Workshop in Elementary School Science**

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

**460. Audio-Visual Materials and Procedures**

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

**462. Teaching the Slow Learner**

A study of the performance characteristics of the slow-learning child. A survey of the techniques of presentation of materials: analysis of attention spans, motivation, readiness, effects of reward and need satisfaction; developmental growth curves and plateaus; individual pupil needs, and measurement and evaluation of growth and specific progress in relation to abilities. Fall, spring, or summer; three recitations weekly. 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 a modern, effective, contemporary mathematics program in arithmetic for grades one through eight. Included are objectives, methods of presentation, obtaining and use of visual training aids, use of textbooks, enrichment activities, grouping for instruction, discovery patterns, fundamental concepts to include the set theory, applications of geometry, research, and application to daily life for pupils. Summer. Credit, 3 semester hours.

**465. Techniques of Team Teaching**

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

**475. Methods, Materials, and Practices in the Elementary School**

This course is devoted to intensive learning activities in the Department of Education stressing the broad concepts of methods, materials, and practices in mathematical experiences, 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.

## SECONDARY EDUCATION

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

- I. The general education curriculum, page 44.
- II. Major departmental requirements for the B.S. or B.A. degree.
- III. Professional Requirements for teaching certificate:  
21 semester hours consisting of Education 227, 400, 428, 431, and Psychology 202 and 404.

**485. Reading Laboratory**

A laboratory course designed to help Freshmen who are deficient in reading skills and effective study habits and for others referred by the several academic departments of the College. Individual diagnosis and instruction will be provided to meet specific reading needs of the



student. Students are required to attend this laboratory until their improvement in reading reaches the level required to continue college level performance. Fall, spring, and summer; one class recitation, plus one laboratory period weekly. No credit.

#### 200. Developmental Reading

This course is designed to help students improve their personal reading skills. Emphasis will be given to vocabulary development, reading comprehension, and rate of reading. Open to all students. Fall, spring; three recitations weekly. Credit, 3 semester hours.

#### 227. Foundations of Education I

Historical, philosophical, and sociological foundations of education in American society as they relate to the profession of teaching. The relation of the school to society and the place of education in the life of the individual and his culture. The nature of the American democratic order, delineating its specific educational requirements. History and content of the main schools of philosophy and their significance for education. The role of the teacher and the school in the community and the role of the school in society. Federal, State, and local relationships in the provision of education, with emphasis on the history of American education. (See page 45 for eligibility criteria.) Fall, spring, and summer; three recitations weekly. Credit, 3 semester hours.

#### 400. Special Methods of Teaching in Grades Seven through Twelve

Method course descriptions are listed for each major in the departmental listing of courses. Fall, spring, and summer; three recitations weekly. Credit, 3 semester hours.

#### 419. Teaching Reading in the Secondary School

Designed to aid teachers in the teaching of reading at the Secondary level. Consideration for the needs of the average and superior readers as well as those whose skills are below average. Included are word recognition, vocabulary development, study skills, development of reading skills in content areas, reading rate, and comprehension. Open to all candidates for high school teaching certificates. Fall, spring, or summer; three recitations weekly. Credit, 3 semester hours.

#### 428. Foundations of Education II

This course provides an understanding of the purpose, organization, and administration of school systems, with special emphasis on the role of the teacher in the total education program. Also included are the following: curriculum patterns; articulation among programs of elementary, junior high, high school, and programs for continuation of education beyond the high school; policies and procedures for pupil accounting; promotion; co-curricular activities; legal basis and financial support for education; accreditation; teacher certification; and the teacher's role in relating the school to the community. Fall, spring, and summer; accelerated. Credit, 3 semester hours.

#### 431. Student Teaching in the Secondary School

Provides continuous full-time student teaching experience in an off-campus public school in the subject area for which the candidate is preparing to teach. A variety of professional experiences beginning with purposeful observation and leading to gradual induction into full-time teaching experience, acquainting the student with the wide range and varied relationship of the teacher's work. Formal and informal conferences with college supervisors and cooperating teachers

and principals scheduled. Includes a final evaluative period for post-observation and self-evaluation. Registration for student teaching permitted only when to be performed in conjunction with the professional semester, all of which must be completed at this college. Candidates may not complete registration for the professional semester until all criteria specified by the Department of Education have been met. (See page 45 for eligibility criteria.) Fall and spring. Credit, 6 semester hours.

### 433. Research in Secondary Education

Designed for the exploration of individual interest areas, student investigation, under the guidance of the instructor, of an approved problem of specific concern to the student. Regularly scheduled progress conferences between instructor and student for evaluative purposes. Scheduled only with approval of Chairman of the Department of Education. Fall, spring, or summer; three recitations weekly. Credit, 1 to 6 semester hours.

### 460. Audio-Visual Materials and Procedures

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

## ENGLISH

*Head:* J. MARSHALL TRIEBER

OTIS G. CARNES  
 AMES S. FARMER  
 MARJORIE L. FARMER  
 GRACE EVELYN GIBSON  
 VAYNE H. HUNTER  
 LOIS B. LEWIS  
 ANN R. WELLS

NORMAN W. MACLEOD  
 MARGARET E. MOORE  
 GEORGE W. POLHEMUS  
 JAMES A. ROGERS  
 LYDIA SIMMONS  
 BESSIE MAE WALKER

The objectives of the English Department are to assist the student in expressing himself more correctly and effectively in written English; in improving his level of reading comprehension; in furthering his appreciation of literature as an art; and in deepening his understanding of literature's relation to human culture. Programs in English are those offered for general education, for teaching English, and as an undergraduate liberal arts program leading to a major or a minor in English.

### Requirements for a Non-Teaching Major in English

39 semester hours, including English 105-106, 205-206. Elective hours in English, 27 semester hours in 300 and 400 level courses. Three semester hours of English elective may be replaced by Rel. 311, 312, 313, or 411. Three semester hours of English elective may be replaced by Speech 300.



**Requirements for a Teaching Major in English**

45 semester hours, including English 105-106; 205-206; 329; 330 or 431 or 433 or 434; 331 or 332 or 343; 351 or 352; 373; 384; 393; 366 or 403; Speech 300; elective 6 semester hours in advanced English courses. Education 419 is strongly advised as an additional elective.

**Requirements for a Minor in English**

24 semester hours, including the following: English 105-106, 205-206. Elective: 12 semester hours in advanced English courses.

**105-106. Composition**

Prerequisite: English 105 is prerequisite for English 106.

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

**200. English Proficiency**

Prerequisite: English 105-106

Reading and discussion relating to clear writing; emphasis placed on writing themes. This course meets for as many weeks as the instructor requires for the individual student to meet his particular needs in writing. Course is open to all students on an elective basis and is required of those students who fail the English Proficiency Test. Those passing this course are excused from the English Proficiency Test. Spring and fall; three recitations weekly. Non-credit.

**205-206. World Literature**

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

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

**329. English Literature**

Prerequisite: English 205-206.

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

**330. English Literature**

Prerequisite: English 205-206

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

**331. Survey of American Literature**

Prerequisite: English 205-206

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

**332. Survey of American Literature**

Prerequisite: English 205-206

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

**342. The English Novel**

Prerequisite: English 205-206

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

**343. The American Novel**

Prerequisite: English 205-206

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

**345. Types of English and American Literature**

(Primarily for Elementary Teachers)

Prerequisite: English 205-206

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

**351. Shakespeare**

Prerequisite: English 205-206

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

**352. Shakespeare**

Prerequisite: English 205-206

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

**354. Modern Drama**

Prerequisite: English 205-206

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

**366. Modern British and American Poetry**

Prerequisite: English 205-206

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

**373. Advanced Grammar and Composition**

Prerequisite: English 205-206

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

**376. Creative Writing I**

Prerequisite: English 105-106



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

### 377. Creative Writing II

Prerequisite: English 105-106, 376

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

### 383. Children's Literature

Prerequisite: English 205-206

A survey of children's literature, Grades K-6, and development of standards for selecting such materials for school and home. Fall and spring; three recitations weekly. Credit, 3 semester hours.

### 384. Adolescent Literature

Prerequisite: English 205-206

A survey of children's literature, Grades 7-12, and development of standards for selecting such materials for school and home. Fall and spring; three recitations weekly. Credit, 3 semester hours.

### 393. History of the English Language and Word Study

Prerequisite: English 205-206, 373

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

### 403. Contemporary World Literature

Prerequisite: English 205-206

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

### 431. Literature of the Romantic Period

Prerequisite: English 205-206

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

### 433. Victorian Prose and Drama

Prerequisite: English 205-206

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

### 434. Victorian Poetry

Prerequisite: English 205-206

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

### 443. Survey of English Drama

Prerequisite: English 205-206

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

### 452. Milton

Prerequisite: English 205-206

A study of the life, ideas, and writings of John Milton, and his subsequent influence. Fall; three recitations weekly. Credit, 3 semester hours.

**456. Independent Study**

Offered for English majors on approval of the Department Head.  
Credit, 1, 2, or 3 semester hours.

**METHODS****400. English Education. Methods of Teaching English**

Prerequisite: Admission to Professional Semester or consent of Head of English Department.

This course replaces Education 400d. Methods and concepts for teaching and grading themes and literature in Grades 7-12. Credit, 3 semester hours.

**LIBRARY SCIENCE**

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

**100. The Library in Society**

A survey of the function of the library to the community which supports it. Credit, 3 semester hours.

**110. Basic Reference Sources and Methods**

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

**120. Selection of Library Materials**

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

**130. Organization and Operation of Library Services**

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

**250. Introduction to Technical Services in the Library**

An introductory survey of the special services to be given by the library. Credit, 3 semester hours.

**360. Selection of Books and Related Materials for Young People**

Credit, 3 semester hours.

**361. Selection of Books and Related Materials for Children**

(E383 Children's Literature may be substituted for this course.)

Credit, 3 semester hours.



## FOREIGN LANGUAGES

*Head:* REBA MILLSAPS LOWRY

MARJORIE FARMER

LINDA L. HANLEY

\*MARY ANNE O'NEIL

SHIRLEY PENNINGTON (Laboratory Supervisor)

ADELFA PEREZ-CRUZ

MARIA L. PITTALUGA

MARIANNE SCHEELE

RUDY D. 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.

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

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

French 321 or 322; 355 or 356;

Elective: 18 semester hours

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

French 321, 322; 331; 355; 356;

Elective: 9 semester hours

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

French 355 or 356

Elective: 9 semester hours.

A major in German is not available at present.

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

German 355 or 356;

Elective: 9 semester hours.

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

Spanish 321 or 322; 355 or 356;

Elective: 18 semester hours.

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

Spanish 321, 322; 331; 355, 356;

Elective: 9 semester hours.

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

Spanish 355 or 356;

Elective: 9 semester hours.

---

\* National Teaching Fellow

**131, 132. Elementary French**

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

**231, 232. Intermediate French**

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

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

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

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

**331. Advanced French Grammar, Composition, and Linguistics**

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

**334. French Phonetics and Diction**

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

**355, 356. French Conversation, Composition, and Civilization**

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

**363, 364. Twentieth Century French Literature**

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

**435, 436. Nineteenth Century French Literature**

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

**441. Seventeenth Century French Literature**

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

**442. Eighteenth Century French Literature**

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



**445. 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 readings, simple compositions, conversations, civilization, geography, songs, realia, and audio-visualized instruction. For beginners, or those with one year of high school German. Fall, spring; three recitations weekly. Credit, 6 semester hours.

**231, 232. Intermediate German**

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

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

**321, 322. Survey of German Literature**

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

**331. Advanced German Grammar, Composition, and Linguistics**

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

**355, 356. German Conversation, Composition, and Civilization**

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

**LATIN****131, 132. Elementary Latin**

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

**231, 232. Intermediate Latin**

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

Further practice in simple conversation, pronunciation, diction, grammar review, civilization, introduction to Latin literature including Cicero and Vergil, formal and free composition. Fall, spring; three recitations weekly. Credit, 6 semester hours.

**SPANISH****131, 132. Elementary Spanish**

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

**231, 232. Intermediate Spanish**

Prerequisite: 131, 132, or two units of high school Spanish 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, corresponding with students in Spanish-speaking countries. Fall, spring; three recitations weekly. Credit, 6 semester hours.

**321. Survey of Spanish Literature, History and Civilization to 1900**

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

**322. Survey of Spanish Literature, History and Civilization since 1900**

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

**331. Advanced Spanish Grammar, Composition, and Linguistics**

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

**55. Spanish Conversation**

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

**56. Spanish Conversation and Composition**

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

**63. Twentieth Century Spanish Literature**

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



364. Spanish-American Literature  
Study of representative works of Spanish-American writers. Spring; three recitations weekly. Credit, 3 semester hours.
435. Nineteenth Century Spanish Prose  
Study of lives and representative works of prominent writers of the period. Fall; three recitations weekly. Credit, 3 semester hours.
436. Nineteenth Century Spanish Drama  
Study of the lives and works of prominent writers of the period. Spring; three recitations weekly. Credit, 3 semester hours.
441. Spanish Literature of the Seventeenth Century  
Study of representative works and authors. Fall; three recitations weekly. Credit, 3 semester hours.
442. Spanish Literature of the Eighteenth Century  
Study of representative works and authors. Spring; three recitations weekly. Credit, 3 semester hours.
445. 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.

## METHODS

400. Foreign Language Education. Methods of Teaching Foreign Languages  
Prerequisite: Admission to the Professional Semester  
Study of immediate and ultimate objectives, methods and materials in audio-lingual teaching in the elementary and secondary schools, textbook evaluation, special programs, realia, audio-visual aids, modern written and aural-oral testing. Credit, 3 semester hours.

## HEALTH AND PHYSICAL EDUCATION

*Head:* FRANKLIN R. LANGSNER

EDWIN W. CRAIN  
HAROLD T. ELLEN  
LACEY E. GANE

KENNETH P. JOHNSON  
EVA R. PARRIS  
RAYMOND B. PENNINGTON

MAUDE ANN WEBB

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

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

I. The General Education Curriculum page 44.

I. Departmental Requirements

A. Departmental Screening Test Required

B. 41 hours in physical education and health including:  
104, 201, 205, 208, 210, 215, 218, 219, 220, 226, 304, 311  
or 312, 316 or 321, 314, 323 or 412, 324, 407, 408, 415.

C. 16 hours in science including:  
Biology 101, 102; 211-212

D. 21 hours in professional education leading to teacher certification including:  
Education 227, 400, 428, 431  
Psychology 202, 404

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

6 hours in the area of principles, curriculum, and administration of Physical Education

3 hours in the area of coaching major sports

3 hours in the area of health

2 hours in the area of individual sports

1 hour in the area of team sports

3 hours—elective in the area of physical education and health

**Note:** Physical education exemption requirements for men: (1) all veterans will be exempt from P.E. 101-102, (2) all male students who have reached the age of 30 prior to entering Pembroke State College will be exempt from P.E. 101-102, (3) medical disability.

Physical education exemption requirements for women: (1) all veterans will be exempt from P.E. 101-102, (2) all women students who have reached the age of 27 prior to entering Pembroke State College will be exempt from P.E. 101-102, (3) all women students who are married prior to entering Pembroke State College will be exempt from P.E. 101-102, (4) medical disability.

1-102M. General Physical Education for Men

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

Fall: soccer, touch football, basketball, wrestling

Spring: tumbling, volleyball, track, softball

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

1-102W. General Physical Education for Women

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



Fall: field hockey, soccer, basketball, modern dance  
 Spring: volleyball, tumbling, track, softball  
 Fall, spring; two recitations weekly. Credit, 1 semester hour.

**201. Individual Sports**

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

**205M. Team Sports**

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

**205W. Team Sports**

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

**208M. Team Sports**

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

**208W. Team Sports**

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

**210. Rhythms**

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

**215. Individual Sports**

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

**218. Individual Sports**

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

**219. Gymnastics**

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

**220. Gymnastics**

Continuation of P.E. 219 with emphasis on advanced techniques in tumbling and apparatus. Spring; two recitations weekly. Credit, 1 semester hour.

**226. Principles and Philosophy of Physical Education**

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

**304. Correctives in Physical Education**

Prerequisite: Biology 211-212

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

**313. Modern Dance**

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

**314. Safety Education and First Aid**

Prerequisite: Biology 211-212

Fundamental and practical applications of administering the techniques of first aid and safety using the regular Red Cross First Aid Course. Spring; three recitations weekly. Credit, 3 semester hours.

**315. Prevention and Care of Athletic Injuries**

Prerequisite: Biology 211-212

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; three recitations weekly. Credit, 3 semester hours.

**316. Physical Education for the Elementary School**

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

**21. Curriculum in Physical Education**

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

**23. Kinesiology**

Prerequisite: Biology 211-212

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

**24. Tests and Measurement in Physical Education**

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



**328. Playground and Community Recreation**

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

**407M. Coaching Football and Basketball**

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

**407W. Coaching Field Hockey, Soccer, Volleyball**

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

**408M. Coaching Baseball and Track**

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

**408W. Coaching Basketball, Softball, Track**

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

**412. Physiology of Exercise**

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

**415. Organization and Administration of School Health and Physical Education**

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

**420. Driver Training**

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 training. Credit, 3 semester hours.

**455. 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 P.E. majors only. Fall and spring; individual arrangement. Credit, 1-3 semester hours.

**HEALTH****101. Personal Health and Hygiene**

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

**104. Basic Hygiene**

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

**311. Health Education for the Elementary School**

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

**312. Health Education in Secondary Schools**

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

**METHODS****400. Physical Education-Education. Methods of Teaching****Physical Education**

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

**HISTORY AND POLITICAL SCIENCE**

*Acting Head:* ADOLPH DIAL

THEODORE BOUSHY  
WILLIAM R. BULLARD  
\*LOREN L. BUTLER, II  
AVERY JOHN BUTTERS  
CHANG H. CHO  
DAVID K. ELIADES

PAUL K. FREIWIRTH  
FRANCIS R. HODGES  
MIN-CHAUN KU  
\*JEROME A. MCDUFFIE  
\*\*PHILIP M. OAKLEY  
CLIFTON OXENDINE

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

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

\* On leave

\*\* National Teaching Fellow



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

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

Electives in advanced history 18 or 24

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

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

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

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

#### Certification Requirements for Social Science:

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

## HISTORY

### 107. Western Civilization

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

### 108. Western Civilization (cont'd)

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

## 207. American History

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

## 208. American History (cont'd)

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

## 305. United States Colonial History

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

## 306. United States Revolutionary and Early National History

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

## 08. 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; three recitations weekly. Credit, 3 semester hours.

## 09. History of the New South

A study of the postwar South and its effort to re-emerge as a prosperous and equal partner in the American Union. Spring; three recitations weekly. Credit, 3 semester hours.

## 17. Greek History

A survey of Greek history; brief treatment of Minoan and Mycenaean origins; detailed account of the Hellenic Age and brilliant achievements of the Periclean Age; reasons for historical conditions of democratic ideals; rise of the Macedonian Monarchy; the world state idea of Alexander the Great and the basic characteristics of the cosmopolitan Hellenistic culture that followed it, until Greece was overshadowed by the rising power of Rome. Fall; three recitations weekly. Credit, 3 semester hours.

## 18. Roman History

A survey of Roman History from origins in a petty City-State to a World-Empire: origins and development of the republican institutions; conquest of Italy and the Mediterranean world; detailed analysis of the growth and fall of Rome; the establishment of the rule of the Caesars; the Augustean Golden Age and the Pax Romana; achievements of the Graeco-Roman civilization; the triumph of Christendom. Spring; three recitations weekly. Credit, 3 semester hours.

## 31. United States History, The Jeffersonian-Jackson Era

Prerequisite: History 207-208

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



**327. History of North Carolina**

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

**341. Economic History of the United States**

Prerequisite: History 107, 108

An historical study of American agriculture, labor, industry, and commerce, with emphasis on the relation of government to the economy. Fall or spring; three recitations weekly. Credit, 3 semester hours. See also Economics 341.

**343. United States History, 1877-1914**

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

**351. History of England**

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

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

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

**353. Russian History**

A survey of Russian history with due attention to each major period: the westernization of Russia by Peter the Great and Catherine the Great; the Napoleonic invasion; problems and progress of 19th century Russia; the Revolution, and the Soviet Regime. Fall; three recitations weekly. Credit, 3 semester hours.

**354. American History Since 1900**

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

**376. Problems in Contemporary Civilizations**

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

**377. U. S. Diplomatic History to 1889**

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

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

A survey of the movement from isolationism to world leadership, the reasons for the Spanish-American War, the Open-Door Policy, the Caribbean policy, reasons for American involvement in World

War I, the defeat of the Versailles Treaty, the twenties, the Washington Arms Conference, the thirties, reasons for our involvement in World War II, the Yalta Conference origins of the Cold War, the Korean War, and currents in American foreign policy since 1952. Spring; three recitations weekly. Credit, 3 semester hours. (This course may earn political science credit.)

### 379. History of the German Nation

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

### 380. History of the French Nation

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

### 381. Colonial Latin American History

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

### 382. South America Since Independence

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

### 383. Mexico and the Caribbean Since Independence

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

### 406. The Middle Ages

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

### 408. Renaissance and Reformation

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

### 440. Eighteenth Century Europe, 1715-1815

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

### 444. Nineteenth Century Europe, 1815-1914

A study of the political, social, and economic development of Europe from the Congress of Vienna to the outbreak of the First World War:



the Metternich System; the Revolutions of 1830 and 1848; the Second French Empire; the Unification of Italy; the Franco-German War; the founding of the German Empire; the International Anarchy; the Causes of World War I. Spring; three recitations weekly. Credit, 3 semester hours.

#### 416. Twentieth Century Europe

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

#### 424. 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; three recitations weekly. Credit, 3 semester hours.

#### 429. United States History, Upper-Division Seminar

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

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

#### 430. Economic History & Problems 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; three recitations weekly. Credit, 3 semester hours.

#### 450. Historiography

A study of American historical writing from its origins in the colonial period to the present with special attention to methodology, sources, bibliography, and philosophy of history. Fall; three recitations weekly. Credit, 3 semester hours.

#### 451. Historiography

A study of European historical writings from ancient times to the present as available in primary form, with special attention to methodology, bibliography, and philosophy. Spring; three recitations weekly. Credit, 3 semester hours.

#### 460. 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.

## POLITICAL SCIENCE

#### 201. American National Government

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

#### 204. American State and Local Government

Prerequisite: Political Science 201, or an acceptable substitute.  
An analytical and comparative study of: (1) the constitutions of

states, (2) the structure, powers, functions of, and relations between, the legislative, executive and judicial branches of the state and local governments, (3) the relations between the national and state governments, between the states, and between the state and local governments, and (4) the structure, powers and functions of the state government of North Carolina. Fall or spring; three recitations weekly. Credit, 3 semester hours.

### 205. Principles of Public Administration

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; three recitations weekly. Credit, 3 semester hours.

### 302. Problems in American Government

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

### 303. Comparative Government

Prerequisite: Political Science 201.

An analytical and comparative study of: (1) the structure, functions of, and the relations between the legislative, executive and judicial branches of the national governments of the major powers: France, Germany, Great Britain, and the Soviet Union, (2) the role played by the political parties in the government, (3) the relations between the national and the state governments and (4) the special features of the different forms of government, e.g. the differences between the unitary, federal and confederate governments, the presidential and parliamentary governments, and the authoritarian and democratic governments. Fall or spring; three recitations weekly. Credit, 3 semester hours.

### 305. Comparative Public Administration

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; three recitations weekly. Credit, 3 semester hours.

### 01. Political Parties and Interest Groups in the United States

Prerequisite: Political Science 201.

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

### 02. 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; three recitations weekly. Credit, 3 semester hours.

### 03. Political Thought

Prerequisite: Political Science 201.

A study of the historical and conceptual background of political thought from Plato to the contemporary political thinkers. The emphasis will be placed on the theoretical and practical differences



between the democratic and the authoritarian (fascism and communism) governments and their respective merits and defects. Fall or spring; three recitations weekly. Credit, 3 semester hours.

#### 404. Public Opinion and Pressure Groups

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

#### 405. Soviet Government

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

#### 406. Legislative Process in the United States

Prerequisite: Political Science 201.

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

#### 407. International Organizations

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

#### 408. International Politics in the Western Hemisphere

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

#### 409. Recent Trends in Latin American Politics and Government

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

#### 410. International Politics and Relations

Prerequisite: Political Science 407.

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

#### 411. International Law

Prerequisite: Political Science 201.

A study of: (1) the general concepts of international law, (2) the law of peace, and (3) the law of war. Fall or spring; three recitations weekly. Credit, 3 semester hours.

460. Independent Study in Political Science

Directed reading and research under the guidance of the instructor in 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.

**METHODS**

00. Social Studies Education. Methods of Teaching Social Studies

The course includes problems such as the aims of history, types of recitation, methods of study, methods of presentation, written work, and testing results. Textbooks, library equipment, maps, and other study aids will be considered. Required of all students planning to teach history and the social sciences. Credit, 3 semester hours.

**HOME ECONOMICS**

*Head:* ANNIE MERLE W. ELAM

AGNES O. GREENE

REGINA S. PARKER

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.

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

I. Requirements for a Major in Home Economics Education—minimum of 128 semester hours

A. General Education (See page 44.)

Select as a part of the General Education requirements:

Art 205 .....	3
Biology 101 or 102; Chemistry 111 .....	8
Psychology 101 .....	3
Sociology and/or Economics .....	6

B. Professional Education

Education 227, 428 .....	6
Psychology 202, 404 .....	6
Home Economics 400/Education 400 .....	3
Education 431 .....	6

C. Related Areas

Art 101 .....	3
History 207-208 .....	6
Physics 314 .....	2

D. Major Subject Area

Minimum of 39 semester hours in home economics



courses to be chosen from the areas of Child Development and Family Relations, Clothing and Textiles, Foods and Nutrition, Housing and Management, with a distribution of hours which would not minimize any of these areas.

E. Electives as needed

II. Requirements for a Major in General Home Economics—minimum of 128 semester hours.

A. General Education (See page 44.)

B. Minor Subject Area

Satisfy the requirements in the minor area as listed by the chosen department.

C. Major Subject Area

Same as for home economics education

D. Electives as needed

III. Requirements for a Minor in Home Economics

A. Home Economics 111, 112, 321

B. Electives in Home Economics courses, 9 semester hours

## 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. Spring; two recitations 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. Fall; three recitations weekly. Credit, 3 semester hours.

### 310. Family Relations

Designed to assist students in preparation for marriage and family living. Fall or spring; three recitations 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. Fall; two recitations, one double laboratory period weekly. Credit, 3 semester hours.

### 112. Clothing for the Family

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

**221. Clothing Selection and Construction**

Prerequisite: Home Economics 112

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

**304. Applied Dress Design and Construction**

Prerequisite: Home Economics 221

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

**221. Tailoring Techniques**

Prerequisite: Home Economics 221

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

**23. Historic Costume**

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

**FOODS AND NUTRITION****11. Food for the Family**

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

**22. Food Selection and Preparation**

Prerequisite: Home Economics 111

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

**31. Nutrition**

Prerequisites: Home Economics 222; Chemistry 111-112

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

**44. Food Preservation**

Prerequisite: Home Economics 222

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

**46. Institution Management**

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



**406. Diet Therapy**

Prerequisites: Home Economics 301; Chemistry 111, 112

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

**HOME ECONOMICS EDUCATION****400. Home Economics Education. Methods of Teaching Home Economics**

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

**HOUSING AND MANAGEMENT****321. Consumer Education**

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

**351. House Planning**

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

**401. Home Management**

A study of management principles as they relate to the use of resources in the home. Fall or spring; three recitations weekly. Credit, 3 semester hours.

**402. Household Equipment**

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

**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. Fall or spring; 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. Spring; two recitations, 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. Fall; two recitations, one double laboratory period weekly. Credit, 3 semester hours.

**MATHEMATICS***Head:* JAMES A. JACOBSJAMES L. ALLEN  
VEERIAH V. KOTA\*WALLACE L. PARKER  
\*\*GILBERT L. SAMPSON

YI-HSIUNG YU

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

**Requirements for a Major:**

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

Advanced elective hours in Mathematics, 3 hours

Students majoring in Mathematics should take Physics 111, 112

**Requirements for a Minor:**

Mathematics 107, 108, 221, 222, 315

**105. Introduction to College Mathematics**

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

**106. Introduction to College Mathematics**

Prerequisite: Mathematics 105

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

**107. College Algebra**

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

**108. Plane Trigonometry**

Prerequisites: Plane Geometry; Mathematics 107

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

**221. Calculus I**

Prerequisite: Mathematics 108

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

\* National Teaching Fellow

\*\* On leave



**222. Calculus II**

Prerequisite: Mathematics 221

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

**301. Programming for Computers**

Prerequisites: Mathematics 107 and 108, or equivalent

A study of digital computing systems, programming of a digital computer, and the solution of problems on a digital computer. Special attention will be given the programming language PL/1 as used by the IBM system/360. Fall, spring; two recitations weekly, one double laboratory period weekly. Credit, 3 semester hours. (This course will not fulfill requirements on a math major.)

**315. Calculus III**

Prerequisite: Mathematics 222

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

**321. Introduction to Higher Algebra**

Prerequisite: Mathematics 222

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

**322. Differential Equations**

Prerequisite: Mathematics 315

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

**402. Workshop in Mathematics for Secondary Teachers**

This course is for teachers seeking an interpretation of contemporary recommendation for the mathematics curricula and an understanding of modern concepts of mathematics as an aid in improving their classroom teaching. Emphasis is placed on the relationship between some of the basic concepts contained in contemporary recommendations for secondary school mathematics and their counterparts in the traditional curricula. The use of visual aids in the teaching of mathematics will be studied. Summer Session. Credit, 3 semester hours.

**411. College Geometry**

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

**412. Theory of Equations**

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

**423. Linear Algebra**

Prerequisite: Mathematics 321

A study of the real number field, vector spaces, determinants, linear

transformations, and matrices. Fall; three recitations weekly. Credit, 3 semester hours.

#### 431. Advanced Calculus

Prerequisite: Mathematics 315

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

#### 441. Statistics

Prerequisite: Mathematics 107

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

### METHODS

#### 400. Mathematics Education. Methods of Teaching

Mathematics

A study of the problems involved in the selection, organization and presentation of the materials in high school mathematics. Credit, 3 semester hours.

### MUSIC

*Head:* ELMA L. RANSOM

FREDERICK BOHRER  
DORIS JOHNSON

FRANCIS L. PFEIFER  
GEORGE R. WALTER

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

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

Music Theory and Harmony

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

Music 323 Arranging, 2 hours

Music History and Appreciation

Music 337-338, 6 hours

Music Education

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

Education 354, Teaching Music in Secondary Schools, 3 hours

Music 320, Conducting, 2 hours

Applied Music, 18 hours, including:

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



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

**Requirements for a Major in Instrumental Music: 48 hours, including:**

Music Theory and Harmony

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

Music 323, Arranging, 2 hours

Music History and Appreciation

Music 337-338, 6 hours

Music Education

Music 320, Conducting, 2 hours

Music 405, Music Education in Elementary School, 3 hours

Education 354, Teaching Music in Secondary Schools, 3 hours

Applied Music

Major Instruments, 6 hours

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

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

1 Hour each in Band Instruments (Brass, Woodwind, Percussion)

Electives, 3 hours chosen from Band, Chorus, Instruments, Piano, Organ, or Voice

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

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

Music Theory and Harmony

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

Music Education

Music 320, Conducting, 2 hours

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

Applied Music

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

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

Applied Music

Music 195 through 296, Organ, 4 hours

Music 191-192, Voice Class, 2 hours

Music 251-252, Private Voice, 2 hours

Music 100 through 201, Chorus, 4 hours

Music 490, Service Playing, 1 hour

Music Education

Music 320, Conducting, 2 hours

Music 390, Church Choir, 3 hours

**Certification Requirements for General and Instrumental Music**

Minimum required hours must total 48 semester hours each for the areas of General and Instrumental Music, covering at least 5 subject categories. Majors desiring certification in music must pass Music Proficiency Examination.

## THEORY AND GENERAL MUSIC

### 131-132. Theory I-II: Fundamentals, Beginning, and

#### Intermediate Ear Training

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

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

Prerequisite: Theory I-II

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

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

Prerequisite: Theory I-II, III-IV

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

### 432. Theory VII: Counterpoint

Prerequisite: Theory III

A study of sixteenth through eighteenth century contrapuntal techniques with written work in two- through four-part voice writing and setting typical texts. Fall; two recitations weekly. Credit, 2 semester hours.

### 230. Introduction to the Appreciation of Music

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

### 309. Basic Music for the Elementary Teacher

(Not open to music majors)

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

### 320. Conducting

Prerequisite: A fair reading knowledge of music

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



**323. Arranging**

Prerequisite: Theory III

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

**337-338. History and Appreciation of Music**

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

**390. The Church Choir**

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

**404. Senior Recital**

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

**490. Service Playing**

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

## APPLIED MUSIC

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

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

## PROFICIENCY EXAMINATION FOR THE GENERAL AND INSTRUMENTAL MUSIC MAJOR

The music teacher must be able to read, transpose, and improvise piano accompaniments for the classroom, assembly singing and other occasions. This skill may be achieved prior to college entrance, in-class or private instruction, within the curriculum or in extra-curricular study.

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

### 81-82. Introduction to Piano

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

### 181-182. Beginning Class Piano

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

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

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

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

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

- |         |                                |
|---------|--------------------------------|
| 195-196 | Handel—Little Fugues           |
|         | Dupre—Chorales, Opus 28        |
|         | Bach—Short Preludes and Fugues |
| 295-196 | Bach—Orgelbuchlein             |
|         | Dupre—Fifteen Pieces, Opus 18  |
| 395-396 | Bach—D Minor Toccato and Fugue |
|         | D'Aquin—Noels                  |
| 495-496 | Boellman—Suite Gothique        |
|         | Bach—a major work for organ    |

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

### 191-192. Voice Class

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

### 71. Band Instruments, Woodwind

A concentrated study in fundamental playing techniques and playing experience on the Flute, Oboe, Clarinet, Saxophone, and Bassoon. Planned primarily for students seeking state certification in music, but may be elected by the general student in preparation for joining the college band. Credit, 1 hour per semester.

### 72. Band Instruments, Brass

A concentrated study in fundamental playing techniques and playing experience on the Trumpet, Cornet, French Horn, Trombone, Baritone, and Tuba. Planned primarily for students seeking state certification in music, but may be elected by the general student in preparation for joining the college band. Credit, 1 hour per semester.



**271. Band Instruments, Percussion**

A concentrated study in fundamental playing techniques and playing experience on Snare Drum, Cymbals, Bass Drum Timpani and Pitch Percussion. Planned primarily for students seeking state certification in music, but may be elected by the general student in preparation for joining the college band. Credit, 1 hours per semester.

**272. Applied Instruments, Brass**

A concentrated study of any member of the brass family through private instruction, including technical studies and building of repertoire. Credit, 1 hour per semester.

**371. Applied Instruments, Woodwind**

A concentrated study of any member of the Woodwind family through private instruction, including technical studies and buildings of repertoire. Credit, 1 hour per semester.

**372. Applied Instruments, Percussion**

A concentrated study of the snare drum through private instruction, including technical studies and repertoire building. Also technical facility in the use of the 26 basic rudiments. Credit, 1 hour per semester.

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

Prerequisite: Music 191-192 or by permission of the instructor.

A concentrated study in voice through private instruction. Two half-hour lessons weekly, or one fifty-minute lesson weekly at the discretion of the instruction. Credit, 1 hour per semester.

## COLLEGE BAND

The College Band forms an integral part of college life and is an all-college organization. Membership is open to all men and women regardless of planned major. The purpose is to serve the College, the community, and the State through excellence in performance and dignity in personal conduct.

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

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

## COLLEGE CHORUS

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

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

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

**MUSIC EDUCATION AND METHODS****405. Music Education in Grades K through six (K-6)**

Prerequisite: Theory I-IV or the equivalent

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

**Education 354. Music Education in the Secondary School**

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

**Music 450. Workshop in Elementary Music Education**

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

**PHILOSOPHY AND RELIGION**

*Head: I. RUTH MARTIN*

OTIS G. CARNES

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

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

**Requirements for a Minor in Philosophy and Religion:** 18 semester hours in the department, except that P300 cannot be counted.

**PHILOSOPHY****300. Introduction to Philosophy**

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



**302. Introduction to Logic**

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

**304. Introduction to Ethics**

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

**306. Philosophy of Religion**

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

**307. Philosophy of Science**

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

**404. Psychology of Religion**

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

## RELIGION

**111. Origin and Background of the Bible**

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

**113. Life of Christ**

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

**114. Life and Letters of Paul**

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

**211. Survey of the Old Testament**

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

## 212. Survey of the New Testament

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

## 221. Archaeology and the New 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 non-biblical literature. Fall; three recitations weekly. 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. Spring; three recitations weekly. Credit, 3 semester hours.

## 311. Prophetic Literature of the Old Testament

Prerequisite: Religion 211

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

## 312. Literature of World's Great Religions

Prerequisite: English 205-206

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

## 313. Old Testament Literature

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

## 314. New Testament Literature

Prerequisite: Religion 212

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

## 320. World Religions Seminar

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

## 311. Poetic Literature of the Old Testament

Prerequisite: Religion 211

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



**412. Christianity and Modern Problems**

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

**413. Principles of Religious Education**

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

**414. History of Christianity**

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

**PHYSICAL SCIENCE**

*Head:* HOWARD D. TYNER

GERALD BORLAND  
CARYL HOWARD

ANDREW RANSOM

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

**Requirements for a Major in Chemistry include:**

Chemistry 111, 112; 221, 222; 321, 322; 425, 426	32
Physics 111, 112	8
Mathematics 107, 108; 221, 222	14
Biology 101, 102 is recommended.	

**Requirements for a Minor in Chemistry include:**

Chemistry 111, 112; 221, 222; <i>or</i> 321, 322	16
Advanced Electives in Chemistry	2
Physics 111, 112 is recommended.	

**Requirements for a Minor in Geology include:**

Geology 111, 112; 241, 251	14
Advanced Electives in Geology	4
Chemistry 111, 112 and Biology 101, 102 are recommended.	

**Requirements for a Minor in Physics include:**

Physics 111, 112; 211, 212	16
Advanced Electives in Physics	2
Chemistry 111, 112 is recommended.	

**CHEMISTRY****111, 112. General Chemistry**

Chemistry 111 is a prerequisite for Chemistry 112.

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

**221. Qualitative Analysis**

Prerequisite: Chemistry 111, 112.

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

**222. Quantitative Analysis**

Prerequisite: Chemistry 221.

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

**321, 322. Organic Chemistry**

Prerequisite: Chemistry 111, 112.

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

**323. Biochemistry**

Prerequisites: Chemistry 321-322.

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

**402. Special Problems in Chemistry**

Prerequisite: Consent of Department Head

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

**25, 426. Physical Chemistry**

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

A theoretical and mathematical treatment of the fundamental laws and theories underlying the science of chemistry. Fall, spring; three recitations, one double laboratory period weekly. Credit, 8 semester hours.

## GEOLOGY

**11, 112. General Geology**

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

**14. Earth Science**

A one semester terminal course in earth science, with emphasis on geology. Study of the earth, theories of formation, the earth's place in space, geological time, rocks and minerals, processes working on the earth and life of the past. Fall only; three recitations and two laboratory hours weekly. A student taking Earth Science could take Geology 112 only with special permission of the staff. Credit, 4 semester hours.



**230. Physical Regions of the World**

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

**241. Descriptive Meteorology**

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

**242. Climatology**

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

**251. Descriptive Astronomy**

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

**361. Geomorphology**

Prerequisites: Geology 111-112.

Advanced study of land forms, with emphasis on dynamic processes: fluvial, solution, marine, glacial, periglacial, eolian, and volcanic. Review of early and recent concepts and theories. Analysis and interpretation of local and regional land forms. Fall; two recitations, one double laboratory period weekly. Credit, 3 semester hours.

## PHYSICS

**111, 112. General Physics**

Prerequisites: A student must be enrolled in, or have completed Mathematics 107, 108.

A general course covering the field of mechanics, properties of matter, light, sound, heat, magnetism, and electricity. Fall, spring; three recitations, one double laboratory period weekly. Credit, 8 semester hours.

**221, 212. Intermediate Physics**

Prerequisites: Physics 111, 112; Mathematics 221

A course offering advanced treatment of mechanics, heat, electrostatics, electrodynamics, acoustics, modern physics, and electromagnetic radiation, with problems. Fall, spring; three recitations, one double laboratory period weekly. Credit, 8 semester hours.

**217. Heat and Thermodynamics**

Prerequisites: Physics 111, 112.

Fundamental principles of heat phenomena, laws of thermodynamics, equations of state for gases, changes of state, thermodynamic relations and their applications. Fall or spring; two recitations, one double laboratory period weekly. Credit, 3 semester hours.

**218. Light and Physical Optics**

Prerequisites: Physics 112 and a working knowledge of calculus.

Basic phenomena of geometrical and physical optics, including polarization, and physical optics. Spring; two recitations, one double laboratory period weekly. Credit, 3 semester hours.

**219. Sound and Acoustics**

Prerequisites: Physics 112 and a working knowledge of calculus.

A study of the basic theories in the field of sound and acoustics, with special application to the theory of musical sound. Fall; one recitation, one double laboratory period weekly. Credit, 2 semester hours.

**314. Household Physics**

A course studying machines of the home, heating, electrical appliances, water supply, lighting, refrigeration, air conditioning, cooking devices, and the automobile. Fall; one recitation, one double laboratory period weekly. Credit, 2 semester hours. Does not count on Physics minor.

**321. Nuclear Physics**

Prerequisites: Physics 111-112 and a working knowledge of calculus.

A course including atomic structure, Roentgen rays, radio-activity, isotopes, nuclear structure, nuclear reactions, nuclear fission, and radio-active tracers. Fall; two recitations, one double laboratory period weekly. Credit, 3 semester hours.

**322. Electricity and Magnetism**

Prerequisites: Physics 117 and a working knowledge of calculus.

A study of electrostatics, magnetic and electrostatic fields, capacitance, dielectrics, electric machinery and meters. Spring; two recitations, one double laboratory period weekly. Credit, 3 semester hours.

**24. Elementary Electronics**

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

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

**SCIENCE****05. Physical Science for Elementary Teachers**

A discussion of man's knowledge about the world in which he lives. The essentials of Chemistry, Physics, Geology, and Astronomy stressed. Fall and spring; three recitations, laboratory period weekly. Credit, 4 semester hours.

**PSYCHOLOGY**

*Head:* JOSEPH W. SUMNER

JAMES F. HUBBARD

P. W. KILLIAN, JR.

The science of psychology concerns itself with laws and processes of human behavior. The courses in the Psychology department are planned: (1) to impart an understanding of the basic principles, methods, and data of psychology as a science and the application of this knowledge to animal interaction; (2) to prepare some majors for graduate study which may lead to a



professional career in psychology, since positions in the field usually require from one to four years of graduate training beyond the baccalaureate degree; (3) to help prepare others for non-professional careers.

### **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, and provides the opportunity for advanced students to do research.

### **Requirements for a Major in Psychology—33 hours including the following:**

Psychology 101, 200, 203, 304, 305, and 401. Electives in psychology—15 hours (should consult with adviser).

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

### **Requirements for a Minor in Psychology—18 hours**

Psychology 101 plus 15 elective hours in Psychology (6 hours must be upper division courses).

#### **101. Introductory Psychology**

A systematic survey of psychology as a natural science. Specific subject matter includes: physiological basis of behavior, growth, motivation, learning, and individual differences. Fall and spring; three recitations weekly. Credit, 3 semester hours.

#### **200. Psychological Statistics**

Prerequisite: Psychology 101

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

#### **\*202. Educational Psychology**

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

#### **203. Introduction to Experimental and Quantitative Methods**

Prerequisite: Psychology 101 and 200

An introduction to the use of the experimental method in psychology and to specific laboratory techniques used in its implementation. Also included are problems of data evaluation and equipment design. Spring; two recitations, one two-hour laboratory period weekly. Credit, 3 semester hours.

---

\*This course cannot be used as credit toward a major or minor in psychology, except with permission of Head of Psychology department.

**204. Psychology of Adjustment**

Prerequisite: Psychology 101

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

**205. Developmental Psychology**

Prerequisite: Psychology 101

A survey of the psychology development of the child through adolescence. Topics of special interest are theories of development, research in child rearing practices, socialization process and personality development. Occasional special laboratory exercises scheduled. Spring; three recitations weekly. Credit, 3 semester hours.

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

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

**304. History and Systems of Psychology**

Prerequisite: Junior or Senior Majors

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

**305. Advanced Theory and Method: Learning**

Prerequisites: Psychology 200, 203

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

**306. Advanced Theory and Method: Motivation**

Prerequisites: Psychology 200, 203, and 305

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

**301. Physiological Psychology**

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

**302. Perception and Sensation**

Prerequisite: Senior Major elective

A study of sensation processes, including perceptual phenomena,

This course cannot be used as credit toward a major or minor in psychology, except with permission of Head of Psychology department.



with emphasis upon the techniques by which man represents his world and the consequences of representation for behavior. Fall; three recitations weekly. Credit, 3 semester hours.

#### 403. Psychological Testing—Theory and Practice

A study and practicum in the administration, evaluation, and interpretation of data obtained through the utilization of such psychological tests as intelligence, personality, interests, aptitude, and achievement. Spring; three recitations weekly. Credit, 3 semester hours.

#### \*404. Psychology of Adolescence

A study and analysis of the physical, emotional, intellectual, and social development of the adolescent. This includes a study of the adolescent's relationships within the home, school, and community including delinquent patterns of behavior. Fall, spring and summer; accelerated. Credit, 3 semester hours.

#### 405. Abnormal Psychology

Prerequisites: Psychology 101, 204

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

#### 406. Social Psychology

Prerequisite: Psychology 101

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

#### 407. Psychology of Personality

Prerequisite: Psychology 101, 205

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

#### 408. Mental Hygiene in School

A study of the influences within the school which affect the student's self-concept, motivation, and social-adjustment; factors affecting the teacher's mental health will also be considered. Summer. Credit, 3 semester hours.

#### 410. 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

*Acting Head:* ROBERT W. BIRCHFIELD

HARVEY L. CARNES  
ELIZABETH KUO

SHARDA MISRA  
WALTER T. STIGALL

This Department offers a major and minor in Sociology. The aim is to provide a broad and diversified background in Sociology

\*This course cannot be used as credit toward a major or minor in psychology, except with permission of Head of Psychology department.

as an academic discipline, and within that program a recommended sequence in social welfare education for students seeking that orientation.

**Requirements for a Major in Sociology:** 30 semester hours, including Sociology 201, 412, and 414. In addition, Sociology 307, 309, 405, and 409 are recommended for emphasis in social welfare.

**Requirements for a Minor in Sociology:** 18 semester hours, including Sociology 201 and 15 elective hours offered by the department, of which Sociology 414, Methods in Social Research, is highly recommended.

## SOCIOLOGY

### 123. General Anthropology

An introduction to the principal areas of anthropological knowledge, as they reflect the nature of mankind: physical anthropology, including evolution and race theories; social and cultural anthropology; archaeology; ethnolinguistics. Emphasis upon the relation of anthropology to other fields of knowledge, to daily affairs, and to personal beliefs regarding humanity, society, and culture. Fall and spring; three recitations weekly. Credit, 3 semester hours.

### 201. Introduction to Sociology

A study of the characteristics of human society; interrelationships of personality, society and culture; analysis of factors associated with development of man's group life and social environment; the influence of social structure upon individual behavior. Fall and spring; three recitations weekly. Credit, 3 semester hours.

### 302. Social and Cultural Anthropology

Prerequisite: Sociology 123 or 201

Intensive groundwork in culture theory, social structure, comparative ethnography, human ecology, personality and culture, language and culture, primitive technology, religion, art and literature. Fall or spring; three recitations weekly. Credit, 3 semester hours.

### 303. The Family

Prerequisite: Sociology 123 or 201

The family as a fundamental group in all societies: types of families, how they develop and change; the unique characteristics of the American family, its relation to other social institutions; the problems of the family in modern industrial societies; mate selection, courtship, husband-wife and parent-child relationships. Fall or spring; three recitations weekly. Credit, 3 semester hours.

### 05. Rural-Urban Sociology

The sociology of human settlement: human ecology; rural and urban cultural contrasts; the concept of community; preindustrial versus industrial cities; modern urban complexity and urbanization processes; community and regional planning. Fall or spring; three recitations weekly. Credit, 3 semester hours.

### 07. Social Welfare

Historical development; philosophy and theory of social welfare; processes developed and specialties among social workers; personal and educational requirements for the career opportunities available;



methods of caring for child and adult dependents and defectives; Federal, state, and community programs. Fall or spring; three recitations weekly. Credit, 3 semester hours.

### 308. Population Problems

Prerequisite: Sociology 201

Social, economical and political problems related to the increase, changes, distribution, and movement of the population. The analysis of contemporary population trends in the United States and the world. Fall or spring; three recitations weekly. Credit, 3 semester hours.

### 309. Social Problems

Prerequisite: Sociology 201

A general course dealing with contemporary social problems, with special emphasis on personal and social maladjustment, deviation, conflicting values, and processes of adjustment to social change. Fall or spring; three recitations weekly. Credit, 3 semester hours.

### 315. Minority Groups

Prerequisite: Sociology 201

An examination of inter-group strife as an aspect of social living; current conflicts between races and ethnic minorities; prejudice, discrimination, segregation, and integration. Fall or spring; three recitations weekly. Credit, 3 semester hours.

### 401. Political Sociology

The sociological approach to government, politics, and social movements; sociological power theory; relationship of political institutions to other elements of social structure and dynamics; political activity, partisanry, and party formation; demographic and socioeconomic differentials of political participation; communication and voting behavior; the sociology of political ideology. Fall or spring; three recitations weekly. Credit, 3 semester hours.

### 402. Social Stratification

Prerequisite: Sociology 201 or 123

The study of sociostructural differentiation in terms of gross categories; horizontal and vertical ordination, segmentation, and stratification; caste, class, estate, etc., versus pluralistic patterns; closed versus open societies, and patterns of social mobility; techniques of identifying social class structure in modern societies, with particular attention to United States patterns. Fall or spring; three recitations weekly. Credit, 3 semester hours.

### 404. Sociology of Education

Examination of the forms of institutionalization of educative activity: socialization and enculturation, formally and informally structured, especially in literate, urban society; relationships to other social institutions; social values and organizational philosophy; trends in education; sociological insights for school functionaries. Fall or spring; three recitations weekly. Credit, 3 semester hours.

### 405. Criminology

Prerequisite: Sociology 201

The nature of crime; the statistics of criminal behavior; the nature of the criminal; the causes and conditions of illegal behavior; theories and practices in the treatment of criminals and the prevention of crime. Fall or spring; three recitations weekly. Credit, 3 semester hours.

**408. Social Change**

Prerequisite: Sociology 201 or 123

Examination of processes of cultural and social change: cultural drift, diffusion, innovation; culture contact and acculturation; functional and dysfunctional impact of change; planned and unplanned change; problems of induced change in underdeveloped societies. Fall or spring; three recitations weekly. Credit, 3 semester hours.

**409. Social Psychology**

Prerequisite: Sociology 201

A study of the effects of social interaction upon individual behavior and personality; collective attitudes and behavior as products of group experience; analysis of fashions and fads, crowds, mobs, publics, social movements. Fall or spring, three recitations weekly. Credit, 3 semester hours. (This course is also listed as Psychology 406.)

**410. Independent Study in Sociology**

Prerequisite: Sociology 201 and approval of the Department Head.

Directed reading and research, leading to preparation of a paper or a supervised laboratory experience in a social agency. The course is exclusively for senior students with a major or minor in sociology. Fall or spring; individual arrangements. Credit, 2 to 4 semester hours.

**412. Sociological Theory**

Prerequisite: Sociology 201

A study of the development of sociology as a scientific discipline: outstanding contributors, schools of thought, climates of intellectual interest; parallels, rivalries, and convergence in modes of explanation; emergence of issues in metatheory; development of sociological techniques implementive of theory. Fall or spring; three recitations weekly. Credit, 3 semester hours.

**414. Methods of Social Research**

Prerequisite: Sociology 201

A consideration of research methods and techniques used in sociology; the various steps in planning, organizing, and conducting research projects, from the statement of the problem and development of hypothesis to the final analysis of data. Fall or spring; three recitations weekly. Credit, 3 semester hours.

## GEOGRAPHY

The Department of Sociology and Geography also offers a minor in Geography. The purpose is: (a) to understand the earth's surface as the home of Man; (b) to describe the diverse features of the earth's surface, (c) to explain if possible how these features have come about and to discuss how they influence the distribution of Man.

**Requirements for a minor in Geography: Geography 201 and 15 additional semester hours of Geography.**

**01. Principles of Geography**

An introductory course which studies the earth and the environment of man, emphasizing the physical patterns of climate, landforms, soils, and natural resources. Recommended as a background for all other courses in geography. Fall and spring; three recitations weekly. Credit, 3 semester hours.



**202. World Regional Geography**

A survey course covering most of the countries and regions of the world, emphasizing the geographic factors as they relate to modern economic and political problems. Special attention given to areas of current significance in world affairs. Recommended for majors in Elementary Education to provide a broad, over-all view of the modern world. Fall or spring; three recitations weekly. Credit, 3 semester hours.

**306. World Economic Geography**

A survey of the important phases of economic activity throughout the world, with respect to location, development, and distribution of agriculture products, major industries, and trade. Fall and spring; three recitations weekly. Credits, 3 semester hours. (Also listed as Econ. 306, "Economic Geography.")

**320. Geography of the Eastern Mediterranean Area**

A study of the Eastern Mediterranean by means of a college supervised tour of the area and seminars, including predeparture orientation, en route lectures, and a formal resume. Summer session. Credit, 3 semester hours.

**321. Geography of Anglo-America**

A detailed study of the climate, physical patterns, natural resources, agricultural, and industrial development of the United States, Canada, and Alaska. Fall or spring; three recitations weekly. Credit, 3 semester hours.

**330. Geography of Latin America**

A study of the physical regions and political units of Latin America, with special consideration given to the geographic factors involved in the recognition of various political and economic limitations and potentialities. Fall or spring; three recitations weekly. Credit, 3 semester hours.

**340. Geography of Europe**

A regional study of the geography of Europe, directed towards the geographic factors affecting the historical development, current economic situation, and political problems of Europe. Fall or spring; three recitations weekly. Credit, 3 semester hours.

**351. Geography of the Soviet Union**

A geographic survey of the Soviet Union, with special emphasis on the development and location of Soviet agriculture and industry, geographical factors related to future economic planning and political problems. Fall or spring; three recitations weekly. Credit, 3 semester hours.

**352. Geography of Africa**

A study of the geographic factors of climate, natural resources, and physiography affecting the historical development and current economic and political patterns in Africa. Fall or spring; three recitations weekly. Credit, 3 semester hours.

**353. Geography of Asia**

A survey of the principle regions of Asia, studying climate, physical patterns, and natural resources of the area. Special attention given to those countries important in current world events. Fall or spring; three recitations weekly. Credit, 3 semester hours.

**358. Australia, New Zealand and Oceania**

The relationship of human activities to the natural environments of Australia, New Zealand and the islands of the South Pacific. Fall or spring; three recitations weekly. Credit, 3 semester hours.

**SPEECH AND DRAMA**

*Head:* KENNETH W. PAULI

\*ALBERT D. DUNAVAN

HOWARD A. HOFFMAN

\*\*PATRICIA ANNE HEFT

The courses in the department are planned so that a student may acquire a minor 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.

**Requirements for a Minor in Speech and Drama**

18 semester hours, which may include two of the following:  
English 351, 352, or 354

**SPEECH****101. Speech Fundamentals (A General Educational Requirement)**

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; three recitations weekly. 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; three recitations weekly. Credit, 3 semester hours.

**104. Parliamentary Procedure**

Basic elements of parliamentary procedure. Spring; one recitation weekly. Credit, 1 semester hour.

**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. Spring; three recitations weekly. 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; three recitations weekly. Credit, 3 semester hours.

\* On leave

\*\* National Teaching Fellow



**302. Oral Interpretation of Poetry**

Prerequisite: Speech 300

Interpretative analysis of selected works of poetry. Spring; three recitations weekly. Credit, 3 semester hours.

**310. Speech Education**

Opportunity for teachers to acquire standards for recognizing speech problems and improving speech habits of student. Fall, spring; three recitations weekly. Credit, 3 semester hours.

**311. Advanced Public Speaking**

Prerequisite: Speech 101

The preparation and presentation of ceremonial and legislative addresses; emphasis on support, structure, style; study of classical and current models. Spring; three recitations weekly. 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; three recitations weekly. Credit, 3 semester hours.

**DRAMA**

**201. Elementary Acting**

Theory and practice in fundamentals of acting for the theatre; practical experience gained in college theatre productions. Fall, spring; three recitations weekly. Credit, 3 semester hours.

**202. Advanced Acting**

Prerequisite: Speech 201 or permission of instructor

Theory and practice of acting in different styles and modes of presentation, including naturalism, romanticism, classicism and modern realism. Spring; three recitations weekly. Credit, 3 semester hours.

**251. Play Production**

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

**252. Play Direction**

A study of theory and practice of play directing in the modern theatre; training in selecting and analyzing scripts; experience in casting and directing rehearsals. Spring; three recitations weekly. Credit, 3 semester hours.

**360. History of the Theatre**

A survey of theatre from its earliest beginnings to the present. Emphasis on Greek, Roman, French, Italian and English developments. Fall; three recitations weekly. Credit, 3 semester hours.

## SUMMARY OF ENROLLMENT 1968-69

### SUMMER SESSION, 1968

First Term .....	1,170
Second Term .....	910
Total number enrolled .....	2,080

### FIRST SEMESTER 1968-69

Freshmen .....	552
Sophomores .....	364
Juniors .....	326
Seniors .....	294
Part-time .....	28
Total number enrolled .....	1,564

### SECOND SEMESTER 1968-69

Freshmen .....	483
Sophomores .....	332
Juniors .....	324
Seniors .....	294
Part-time .....	24
Total number enrolled .....	1,457

### DEGREES CONFERRED May, 1969 (Estimated)

Bachelor of Science .....	135
Bachelor of Arts .....	43
Total number of degrees conferred .....	178

## PEMBROKE STATE COLLEGE ENROLLMENT

Men .....	977
Women .....	587
GRAND TOTAL .....	1,564
State Residents .....	1,247
Non-Residents .....	317

### ENROLLMENT BY STATE

1. Connecticut .....	1
2. Delaware .....	10
3. Florida .....	5
4. Georgia .....	3
5. Kentucky .....	1
6. Maine .....	1
7. Maryland .....	7
8. Massachusetts .....	8
9. Michigan .....	3
10. New Jersey .....	49



11. New York .....	56
12. North Carolina .....	1,247
13. Ohio .....	1
14. Pennsylvania .....	30
15. Rhode Island .....	1
16. South Carolina .....	111
17. Virginia .....	28
18. Territories .....	2

**ENROLLMENT BY COUNTIES OF NORTH CAROLINA**

Alamance .....	1	Jones .....	2
Alleghany .....	1	Lee .....	3
Anson .....	10	Lenoir .....	1
Avery .....	1	Martin .....	3
Beaufort .....	1	Mecklenburg .....	6
Bladen .....	50	Montgomery .....	7
Brunswick .....	4	Moore .....	16
Buncombe .....	3	Nash .....	6
Cabarrus .....	3	New Hanover .....	1
Carteret .....	3	Onslow .....	24
Catawba .....	1	Orange .....	2
Chatham .....	6	Person .....	3
Cherokee .....	1	Pitt .....	2
Cleveland .....	2	Randolph .....	6
Columbus .....	43	Richmond .....	103
Craven .....	2	Robeson .....	429
Cumberland .....	167	Rockingham .....	2
Davidson .....	4	Rowan .....	6
Duplin .....	9	Sampson .....	18
Durham .....	14	Scotland .....	94
Edgecombe .....	7	Stanly .....	1
Forsyth .....	23	Stokes .....	1
Granville .....	7	Surry .....	4
Guilford .....	21	Tyrrell .....	1
Halifax .....	8	Union .....	3
Harnett .....	19	Wake .....	19
Haywood .....	1	Warren .....	2
Hoke .....	35	Wayne .....	11
Iredell .....	5	Wilson .....	4
Jackson .....	1	Yadkin .....	2
Johnston .....	12		

## INDEX

	Page		Page
Academic Eligibility	36-37	General Education	
Academic Probation	36	Requirements	44
Academic Regulations	33	General Information	23
Accreditation	25	Grading System	34-35
Adding Courses	35	Graduation,	
Administrative Officers	8	Requirements for	37-38
Administrative & Secretarial Staff	8-9	Health and Physical Education	96-101
Admissions Process	30	Health Services	53
Agricultural Curricula for Transfer to North Carolina State	43	Historical Sketch	24
Anthropology	131	History and Political Science Department	101-109
Art Department	66-71	Home Economics Department	109-112
Athletics	48	Honors	37
Auditing	32	Honorary Organizations	48-49, 54
Biology Department	71-75	Library Science	91
Buildings and Grounds	25	Library Staff	8
Business Administration and Economics Department	75-81	Loan Funds	57-58
Calendar	5	Location	25
Campus Map	142	Majors and Minors	44
Certification	42	Mathematics Department	113-115
Class Attendance	35-36	Meal Books	52
Classification of Students	34	Miscellaneous	
Clubs, Organizations and Campus Activities	49-51	Academic Regulations	38-39
College Opportunity Program	30	Music Department	115-121
Contents	3	National Teachers Examination	45-46
Counseling Services	53	Part-time Students	31
Cultural Programs	48	Philosophy and Religion Department	121-124
Curricula and Degrees	41	Physical Education Exemption Requirements	97
Curriculum Laboratory	46	Physical Science Department	124-127
Dean's List	37	Chemistry	124-125
Degrees Granted	42	Geology	125-126
Discipline	53	Physics	126-127
Dropping Courses	35	Science	127
Economics	79	Political Science	106-109
Education Department	81-87	Professional Semester	45
Elementary	82-85	Psychology Department	127-130
Secondary	85-87	Purpose	25
English Department	87-91	Quality Point Average	36
English Proficiency Test	38	Reading Center	46
Enrollment, Summary of	137-138	Refund Policy	63
Faculty	9-21	Registration	35
Faculty Committees	21-22	Religious Organizations	48
Falsification, Penalty for	32	Residence Requirements	59-61
Financial Aid	56	Scholarships	56-57
Financial Obligation	39	Social Science Requirements for Certification	102
Foreign Languages	92-96	Sociology and Geography Department	130-135
French	93-94	Sororities	54
German	94		
Latin	94-95		
Spanish	95-96		
Fraternities, Honorary	48-49		



	Page		Page
Special Students .....	31	Student Load .....	34
Speech and Drama		Student Teaching .....	45
Department .....	135-136	Summer Fees .....	63
Speech Proficiency Test .....	44	Summer School .....	32
Student Employment .....	58	Teacher Education Program ...	45
Student Fees .....	59, 61-63	Transfer Students .....	31
Student Finances .....	55	Trustees .....	7-8
Student Government .....	48	Tuition Charges .....	62
Student Housing .....	51-53	Vehicle Registration .....	54
Student Life and Affairs .....	47	Veterans .....	59

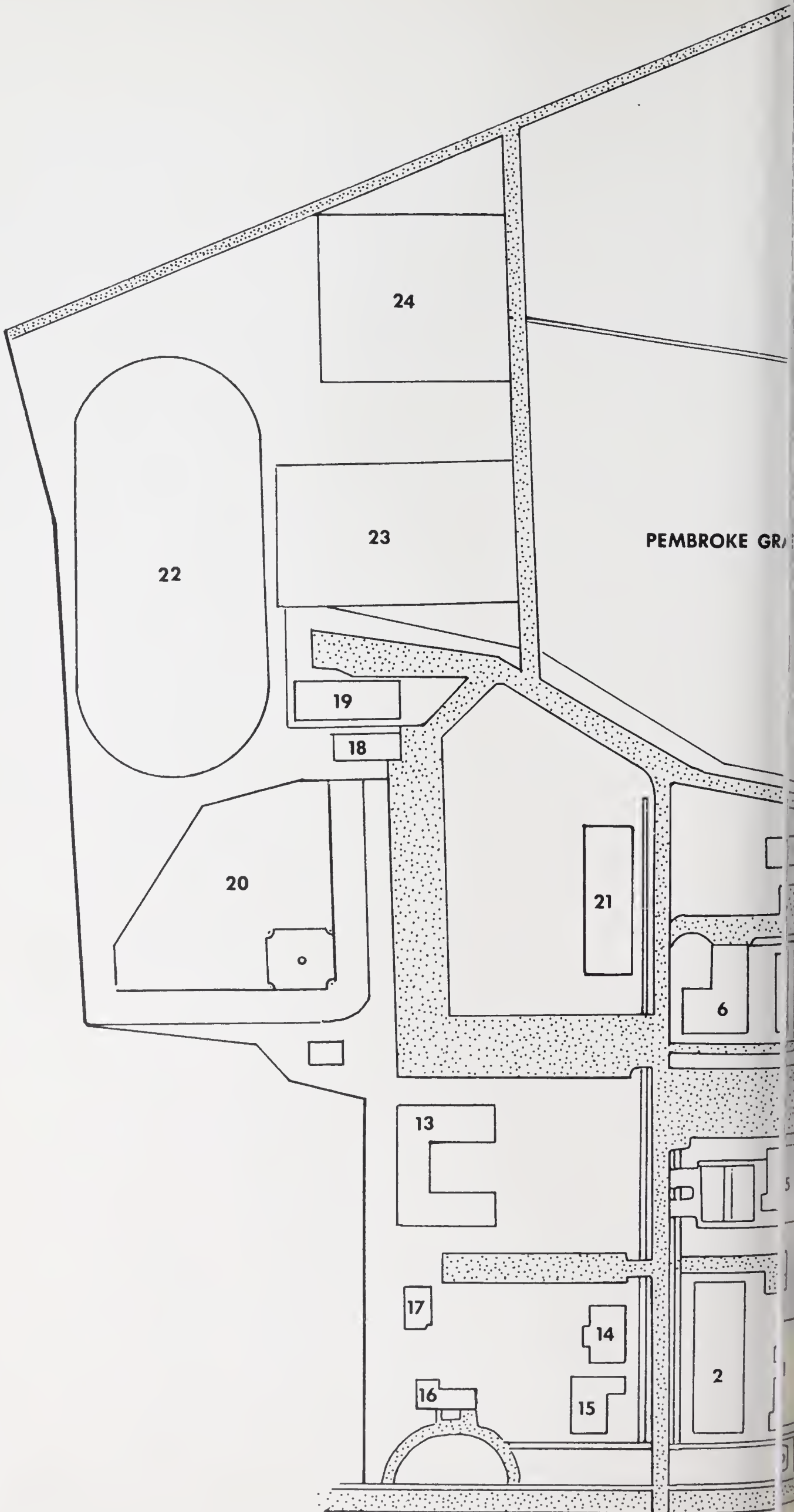












# COLLEGE MAP

## Key to Buildings

1. Sampson Hall (Administration Building)
2. Mary Livermore Library
3. Old Main
4. Science Building
5. Gymnasium
6. Cafeteria
7. Lowry Student Center
8. Locklear Hall
9. Moore Hall
10. Music Annex
11. Jacobs Hall (Men's Dormitory)
12. Wellons Hall (Men's Dormitory)
13. West Hall (Women's Dormitory)
14. Infirmary
15. Home Economics Residence House
16. President's Home
17. Guest House
18. Receiving Depot
19. Maintenance Shop
20. Baseball Field
21. Business Administration Building
22. Track Field
23. Soccer
24. Intramural Football Field
25. Environmental Building
26. Green House

