



Digitized by the Internet Archive
in 2010 with funding from
Joyner Library, East Carolina University

EAST CAROLINA TEACHERS COLLEGE BULLETIN

CATALOGUE NUMBER
1950-1951



Greenville, North Carolina

Published four times each year—March, May, August
and December.

Entered as second-class matter March 16, 1936, at the
post office at Greenville, N. C., under the act of Congress
August 24, 1912.

PRINTED BY
OWEN G. DUNN COMPANY
NEW BERN, N. C.

TABLE OF CONTENTS

	<i>Page</i>
College Calendar	5
Trustees	7
Officers of Administration	8
Faculty	9
Committees of the Faculty	17
Special Notice to Students	18
General Information	19
Classified Enrollment	21
Objectives of the College	23
College Buildings	26
Publications	29
Organizations	30
Bureau of Field Services	34
Department of Air Science and Tactics	35
Expenses and Fees	37
Withdrawals, Refunds, Credits	39
Student Loan Funds	39
Scholarships	41
Admission Requirements	43
Extension and Correspondence	45
Freshman Registration	46
Summer Quarter	46
Teachers' Certificates	48
Student-Teaching and Placement Service	55
Academic Regulations	57
Classification	57
Class Absence Regulations	57
Grades and Scholarships	58
Regulations Concerning Students' Program	59
Requirements for Graduation	61
Curricula Offered	63
Requirements for B.S. Degree	64
Requirements for A.B. Degree	69
Graduate Instruction	73
Requirements for the Master's Degree	74
Pre-Professional Courses Offered	80
 Courses of Instruction:	
Art	86
Business Education	90
Education	100
English	114
Foreign Languages	121
Geography	126
Health and Physical Education	132
Home Economics	140
Industrial Arts	146
Library Science	152
Mathematics	153
Air Science and Tactics	160
Music Education	162
Applied Music—Individual Instruction	170
Group Instruction	171
Psychology	174
Natural Science	178
Social Studies	188
History	192
Sociology	196

CALENDAR FOR 1950

JANUARY							APRIL							JULY							OCTOBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
1	2	3	4	5	6	7							1							1	1	2	3	4	5	6	7	
8	9	10	11	12	13	14		2	3	4	5	6	7	8	2	3	4	5	6	7	8	8	9	10	11	12	13	14
15	16	17	18	19	20	21		9	10	11	12	13	14	15	9	10	11	12	13	14	15	15	16	17	18	19	20	21
22	23	24	25	26	27	28		16	17	18	19	20	21	22	16	17	18	19	20	21	22	22	23	24	25	26	27	28
29	30	31						23	24	25	26	27	28	29	23	24	25	26	27	28	29	29	30	31				
								30							30	31												
FEBRUARY							MAY							AUGUST							NOVEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
				1	2	3	4						5	6						1	1	2	3	4	5	6	7	
5	6	7	8	9	10	11		7	8	9	10	11	12	13	6	7	8	9	10	11	12	12	13	14	15	16	17	
12	13	14	15	16	17	18		14	15	16	17	18	19	20	13	14	15	16	17	18	19	19	20	21	22	23	24	
19	20	21	22	23	24	25		21	22	23	24	25	26	27	20	21	22	23	24	25	26	26	27	28	29	30		
26	27	28						28	29	30	31				27	28	29	30	31									
MARCH							JUNE							SEPTEMBER							DECEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
				1	2	3	4					1	2	3						1	1	2	3	4	5	6	7	
5	6	7	8	9	10	11		4	5	6	7	8	9	10	3	4	5	6	7	8	9	3	4	5	6	7	8	
12	13	14	15	16	17	18		11	12	13	14	15	16	17	10	11	12	13	14	15	16	10	11	12	13	14	15	
19	20	21	22	23	24	25		18	19	20	21	22	23	24	17	18	19	20	21	22	23	17	18	19	20	21	22	
26	27	28	29	30	31			25	26	27	28	29	30		24	25	26	27	28	29	30	24	25	26	27	28	29	
															31							31						

CALENDAR FOR 1951

JANUARY							APRIL							JULY							OCTOBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
	1	2	3	4	5	6	1	2	3	4	5	6	7	1	2	3	4	5	6	7		1	2	3	4	5	6	
7	8	9	10	11	12	13	8	9	10	11	12	13	14	8	9	10	11	12	13	14	7	8	9	10	11	12	13	
14	15	16	17	18	19	20	15	16	17	18	19	20	21	15	16	17	18	19	20	21	14	15	16	17	18	19	20	
21	22	23	24	25	26	27	22	23	24	25	26	27	28	22	23	24	25	26	27	28	21	22	23	24	25	26	27	
28	29	30	31				29	30						29	30	31					28	29	30	31				
FEBRUARY							MAY							AUGUST							NOVEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
				1	2	3				1	2	3	4	5				1	2	3	4				1	2	3	
4	5	6	7	8	9	10	6	7	8	9	10	11	12	13	5	6	7	8	9	10	11	4	5	6	7	8	9	10
11	12	13	14	15	16	17	13	14	15	16	17	18	19	20	12	13	14	15	16	17	18	11	12	13	14	15	16	17
18	19	20	21	22	23	24	20	21	22	23	24	25	26	27	19	20	21	22	23	24	25	18	19	20	21	22	23	24
25	26	27	28				27	28	29	30	31			26	27	28	29	30	31		25	26	27	28	29	30		
MARCH							JUNE							SEPTEMBER							DECEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
				1	2	3						1	2							1	1	2	3	4	5	6	7	
4	5	6	7	8	9	10	3	4	5	6	7	8	9	2	3	4	5	6	7	8	2	3	4	5	6	7	8	
11	12	13	14	15	16	17	10	11	12	13	14	15	16	9	10	11	12	13	14	15	9	10	11	12	13	14	15	
18	19	20	21	22	23	24	17	18	19	20	21	22	23	16	17	18	19	20	21	22	16	17	18	19	20	21	22	
25	26	27	28	29	30	31	24	25	26	27	28	29	30	23	24	25	26	27	28	29	23	24	25	26	27	28	29	
														30							30	31						

COLLEGE CALENDAR

SUMMER QUARTER 1950

First Term (Classes meet five days weekly)

June	5	Monday—Registration.
June	6	Tuesday—Class work begins
July	14	Friday—Examinations—First term ends

Second Term (Classes meet six days weekly)

July	15	Saturday—Registration
July	17	Monday—Class work begins
Aug.	19	Saturday—Summer School closes—Commencement exercises

FALL QUARTER 1950

Sept.	4	Monday, 6:30 P. M., Faculty meeting and departmental meetings
Sept.	5-6	Tuesday and Wednesday—Freshman registration
Sept.	7	Thursday—Registration of upperclassmen
Sept.	8	Friday—Class work begins
Oct.	14	Saturday—Homecoming
Nov.	22	Wednesday, 12 M.—Fall quarter closes—Thanksgiving holidays begin

WINTER QUARTER 1950-51

Nov.	27	Monday—Registration and classification
Nov.	28	Tuesday—Class work begins
Dec.	16	Saturday, 12 M.—Christmas holidays begin
Jan.	2	Tuesday—Class work resumed
Feb.	24	Saturday—Examinations for winter quarter close

SPRING QUARTER 1951

Feb.	27	Tuesday—Registration and classification
Feb.	28	Wednesday—Class work begins
March	24	Saturday, 12 M.—Spring holidays begin
March	28	Wednesday—Class work resumed
May	18	Friday, 12 M.—Examinations for spring quarter close

SUMMER QUARTER 1951

First Term (Classes meet six days weekly)

June	4	Monday—Registration
June	5	Tuesday—Class work begins
July	7	Saturday—Examinations—First term ends

Second Term (Classes meet five days weekly)

July	7	Saturday—Registration
July	9	Monday—Class work begins
Aug.	17	Friday—Summer School closes—Commencement exercises

1. ADMINISTRATION AND INSTRUCTION

BOARD OF TRUSTEES

EAST CAROLINA TEACHERS COLLEGE
GREENVILLE, NORTH CAROLINA

	Address	Term Expires
CLYDE A. ERWIN, <i>State Superintendent of Public Instruction, Chairman ex officio</i>	Raleigh	
R. M. GARRETT	Greenville	1951
HENRY BELK	Goldsboro	1951
C. P. MORRIS	Hertford	1951
HUGH G. HORTON	Williamston	1951
URAN COX	Greenville	1953
JOHN P. STEDMAN	Lumberton	1953
DR. LEWIS H. SWINDELL	Washington	1953
ARTHUR L. TYLER	Rocky Mount	1953
JANE HALL	Raleigh	1955
JANET PALMER	Hookerton	1955
CHARLES F. CARROLL	High Point	1955
R. J. WHITE	Conway	1955

OFFICERS OF THE BOARD

CLYDE A. ERWIN
State Superintendent of Public Instruction
Ex Officio Chairman

AGNES W. BARRETT, *Secretary*

F. D. DUNCAN, *Treasurer*

EXECUTIVE COMMITTEE

CLYDE A. ERWIN, *Chairman*

JOHN P. STEDMAN

HUGH G. HORTON

CHARLES F. CARROLL

BUDGET-BUILDING COMMITTEE

R. M. GARRETT, *Chairman*

ARTHUR TYLER

JANE HALL

OFFICERS OF ADMINISTRATION

General Officers

JOHN D. MESSICK, Ph.B., Ph.D., Lit.D.	President
LEO W. JENKINS, B.S., M.A., D.Ed.	Dean
J. K. LONG, B.S., M.A., Ph.D.	Registrar
F. D. DUNCAN, B.S.	Treasurer and Business Manager
ANNIE L. MORTON	Dean of Women
FRED IRONS, M.D.	Resident Physician
W. E. MARSHALL, B.A., M.A.	Dean of Men
HOWARD J. MCGINNIS, B.S., M.A., Ph.D.	Director of Field Service
JUNIUS H. ROSE, A.B., M.A.	Director of Laboratory School
WENDELL W. SMILEY, A.B., A.B.L.S., M.A.	Librarian
HAZEL TAYLOR, A.B., M.A., Ph.D.	Director of Testing
LUCILE CHARLES, Ph.B., M.A., Ph.D.	Director of Dramatics
FRANK G. FULLER, B.S., M.A.	Director of Guidance
DOROTHY W. PERKINS, B.S., M.S.	Director of Speech

Assistant Officers

MRS. AGNES W. BARRETT	Secretary to the President
OLA S. ROSS	Assistant Registrar
MRS. JUNE PORTER	Secretary, Placement Office
MRS. RUTH BING, A.B.	Secretary
E. HARRISON STALLINGS	Assistant Treasurer
MRS. CORINNE M. HEATH, B.S.	Secretary to the Dean
MRS. MILDRED OWENS	Accountant
MRS. LUCY CONNELLY	Assistant Cashier
PAUL R. JULIAN	Cafeteria Steward
MRS. LELIA RIVES	Dietitian
CAMILLE CLARKE, A.B.	Dietitian
VIRGINIA HARRIS, A.B.	Secretary
MRS. MAXINE EVERETT, A.B.	Secretary
DORIS BROWN, A.B.	Cashier
MRS. LOUISE MARSTON, B.S.	Secretary
MRS. RENA L. MANNING, B.S.	Secretary
RUTH WHITE, A.B.	Assistant Dean of Women
MRS. HELEN SNYDER, A. B.	Dormitory Counselor
KATHERINE DAVIS, A.B.	Dormitory Counselor
KATHLEEN VENTERS	Dormitory Housekeeper
MRS. BLANCHE CHERRY, R.N.	Superintendent of Infirmary
LUCY STOKES, R.N.	Assistant Superintendent of Infirmary
MRS. RUTH GARNER, A.B., M.A.	Alumni Secretary
HENRY A. WHITE, B.S.	Accountant
MRS. SUSIE WEBB	Secretary, Alumni Office
MRS. ANNE GLOVER	Secretary, Home Economics Department
H. P. MARKHAM	Engineer
J. N. CAPRELL	Supt. of Buildings and Grounds
L. W. TRACY	Electrician
W. E. BOSWELL	Supt. of the Laundry
LLOYD J. BRAY, A.B.	Manager of the College Stores

FACULTY—1950-1951

DEPARTMENT OF AIR SCIENCE AND TACTICS

LT. COL. WILLIAM D. BROWN, B.S., PAS & T.

B.S., Clemson College.

MAJOR LOMAX L. MAY, B.S., M.A. ASSISTANT PAS & T.

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

CAPTAIN JAMES N. McDILL, ASSISTANT PAS & T.

Erskine College.

SENIOR AIRMAN, 1st Class BRUCE C. BAXTER, ASSISTANT INSTRUCTOR

SENIOR AIRMAN, 1st Class, WILLIAM H. WISE, SUPPLY & ASSISTANT INSTRUCTOR

SENIOR AIRMAN, 2nd Class, HAROLD L. WILLIAMS, ADMINISTRATION & ASSISTANT INSTRUCTOR

DEPARTMENT OF ART

DORA CIRLOT, B.M., M.A., DIRECTOR

B.M., University of Louisiana; M.A. Columbia University; graduate study, Louisiana State University and Teachers College, Columbia University.

FRANCIS LEE NEEL, B.S., M.A.

B.S. and M.A., University of Missouri.

DEPARTMENT OF BUSINESS EDUCATION

E. R. BROWNING, B.C.S., A.B., M.Ed., D.Ed., DIRECTOR

B.C.S., Bowling Green Business University; A.B., Marshall College; M.Ed., Duke University; D.Ed., Colorado State College of Education.

NORMAN CAMERON, B.S., M.A.

B.S., Elon College; M.A., University of Kentucky.

AUDREY V. DEMPSEY, A.B., M.A.

A.B., M.A., Colorado State College of Education; graduate study: Woodbury College, Los Angeles; Gregg College, Chicago.

LENA C. ELLIS, A.B., M.A.

A.B., Bowling Green Business University; A.B., M.A., State Teachers College, Bowling Green, Kentucky.

W. W. HOWELL, A.B., M.A.

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

JAMES WHITE, A.B., M.A.

A.B., East Carolina Teachers College; M.A., Teachers College, Columbia University.

DOROTHY LEWIS WILKERSON, A.B., M.A.

A.B. and M.A., East Carolina Teachers College.

DEPARTMENT OF EDUCATION

ALLAN S. HURLBURT, A.B., M.A., Ph.D., DIRECTOR

A.B., M.A., Ph.D., Cornell University; graduate study: Harvard University.

DORA E. COATES, A.B., M.A.

A.B., North Carolina College for Women; M.A., Teachers College, Columbia University; graduate study: Northwestern University.

FRANK G. FULLER, B.S., M.A.

B.S., Aurora College; M.A., George Washington University; graduate study: George Washington University.

HUBERT C. HAYNES, A.B., LL.B., M.A., Ph.D.

A.B., LL.B., M.A., Mercer University; Ph.D., George Peabody College.

ANNIE MAE MURRAY, A.B., M.A.

A.B., Anderson College; M.A., Peabody College.

J. L. OPPELT, A.B., M.A., Ph.D.

A.B., Otterbein, Westerville, Ohio; M.A., Teachers College, Columbia University; Ph.D., Ohio State University.

DOROTHY W. PERKINS, B.S., M.S.

B.S., Michigan State Normal College; M.S., University of Michigan; graduate study, State University of Iowa.

FRANCES WAHL, B.S., M.A.

Diploma, State Teachers College, Conway, Arkansas; B.S., George Peabody College; M.A., Teachers College, Columbia University; graduate study: George Peabody College; Northwestern University.

DEPARTMENT OF ENGLISH

LUCILE TURNER, B.A., M.A., Ph.D., DIRECTOR

B.A., M.A., Ph.D., George Peabody College; graduate study: University of Chicago.

WILLIAM A. BRYAN, A.B., M.A.

A.B., College of Charleston; M.A., Duke University; graduate study: University North Carolina, Columbia University, Duke University.

LUCILE CHARLES, Ph.B., M.A., Ph.D.

Ph.B., University of Chicago; M.A., Teachers College, Columbia University; M.A., Ph.D., Yale University.

MARY HEMPHILL GREENE, B.A., M.A.

B.A., Agnes Scott; M.A., Columbia University; graduate study: University of Chicago; University of North Carolina.

LOUISE GREER, A.B., M.A.

A.B., Emory and Henry College; M.A., University of Virginia; graduate study: University of Virginia.

LOIS GRIGSBY, B.A., M.A.

B.A., Ohio Wesleyan University; M.A., Columbia University; graduate study: University of Wisconsin.

EMMA L. HOOPER, B.A., M.A.

B.A., Mississippi State College for Women; M.A., University of Virginia; graduate study: Northwestern University.

MARTHA M. PINGEL, B.A., M.A., Ph.D.

B.A., Hunter College; M.A., Ph.D., Columbia University.

Dr. Knapp

MEREDITH NEILL POSEY, B.A., M.A., Ph.D.

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

EDWARD J. RUTAN, A.B., A.M.

A.B. and A.M., New Jersey State Teachers College; graduate study: New York University.

DEPARTMENT OF FOREIGN LANGUAGE

JAMES L. FLEMING, B.S., M.A., DIRECTOR

B.S., Wake Forest; M.A., Harvard University; Diplomas Alliance Francaise, Institut de Phonétique Université de Paris, France.

MARGUERITE ZELL AUSTIN, B.A., M.A.

B.A., Winthrop College; M.A., Duke University; graduate study: University of Mexico.

DEPARTMENT OF GEOGRAPHY

P. W. PICKLESIMER, B.Ped., B.S., M.A., Ph.D., DIRECTOR

B.Ped., Berea College; B.S., M.A., Ph.D., George Peabody College.

JAMES B. CUMMINGS, B.S., M.A.

Diploma, State Teachers College, Memphis, Tennessee; B.S., M.A., George Peabody College; graduate study: State Teachers College, Greeley, Colorado.

GEORGE C. MARTIN, B.A., M.A., Ph.D.

B.A., M.A., University of Tennessee; Ph.D., Ohio State University.

DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

NEPHI M. JORGENSEN, B.S., M.S., Ph.D., DIRECTOR

B.S., Utah State; M.S., University of Oregon; Ph.D., State University of Iowa.

ROBERT LEE BOONE, A.B., M.A.

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

CHARLES G. DESHAW, B.S., Ed.M., Ph.D.

B.S., New York University; Ed.M., University of Buffalo; Ph.D., New York University.

WILLIAM E. DOLE, B.S., M.A.

B.S., University of West Virginia; M.A., New York University.

HOWARD G. PORTER, AB., M.A.

A.B., Kansas City University; M.A., University of Missouri.

NELL STALLINGS, B.S., M.A.

B.S., Woman's College of the University of North Carolina; M.A., University of North Carolina; graduate study: New York University.

MARGARET ANN TIFFT, B.S., M.A.

B.S., Ohio State University; M.A., Teachers College, Columbia University.

DEPARTMENT OF HOME ECONOMICS

ADELAIDE E. BLOXTON, B.S., M.S., DIRECTOR

B.S., College of William and Mary; M.S., Columbia University; graduate study: University of North Carolina.

MABEL E. DOUGHERTY, B.S., M.S.

B.S., Peabody College; M.S., University of Alabama; graduate study, Teachers College, Columbia University.

LILAH R. GAUT, B.S., M.A.

B.S., University of Tennessee; M.A., University of Chicago; graduate study: University of Tennessee, University of Chicago, Columbia University, Iowa State College.

MABEL LACY, A.B., B.S., M.A.

A.B., Milligan College; B.S., Teachers College, Johnson City, Tennessee; M.A., University of Tennessee.

RUTH LAMBIE, B.S., M.S.

B.S., Carnegie Institute of Technology; M.S., University of Chicago; graduate study: University of Tennessee.

NELLIE F. MCGEE, B.S., M.S.

B.S., Kent State Teachers College, Ohio; M.A., Columbia University.

ALICE STRAWN, B.S., M.A.

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

VIRLYNNE USRY, B.S., M.S.

B.S., University of Georgia; M.S., Iowa State College; graduate study: Columbia University.

DEPARTMENT OF INDUSTRIAL ARTS**KENNETH L. BING, A.B., M.A., D.Ed., DIRECTOR**

A.B., Nebraska Wesleyan College; M.A., University of Minnesota; D.Ed., University of Missouri.

PAUL E. POWELL, B.S., M.S.

B.S., State University, Ohio; M.S., Stout Institute, Wisconsin.

DEPARTMENT OF LIBRARY SCIENCE**WENDEL W. SMILEY, A.B., A.B. in Library Science, M.A., DIRECTOR**

A.B., University of North Carolina; A.B. in Library Science, University of North Carolina; M.A., University of Illinois; graduate study: University of North Carolina.

MRS. W. A. BRYAN, A.B., A.B. in Library Science, M.A., Ph.D.

A.B., University of Chattanooga; A.B. in Library Science, University of North Carolina; M.A., Ph.D., Duke University. (ma)

PEGGY HAMPTON, A.B., A.B. in Library Science

A.B., A.B. in Library Science, University of North Carolina.

MARGARET C. LIETMAN, A.B., B.S. in L.S.

A.B., Monmouth College; B.S. in L.S., Carnegie Library School.

ELIZABETH SCOTT WALKER, A.B., M.A., A.B. in Library Science

A.B., M.A., Duke University; A.B. in Library Science, University of North Carolina.

DEPARTMENT OF MATHEMATICS**P. C. SCOTT, B.S., M.A., S.M., Ph.D., DIRECTOR**

B.S., Mississippi Southern College; S.M., University of Chicago; M.A., Ph.D., George Peabody College.

ELLEN RION CALDWELL, A.B., M.A.

A.B., Randolph-Macon College; M.A., Teachers College, Columbia University.

WALTER S. KRAUSNICK, B.S., M.S., Ph.D.

B.S., University of Missouri; M.S., Texas A. and M.; Ph.D., University of Michigan.

JOHN O. REYNOLDS, B.S., A.M., Ph.D.

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

LOUISE WILLIAMS, B.A., M.A.

B.A., Kentucky Wesleyan; M.A., Teachers College, Columbia University; graduate study: Teachers College, Columbia University.

DEPARTMENT OF MUSIC

RUDOLPH R. WILLMANN, B. Mus., A.B., Ph.D., DIRECTOR

University of Texas; University Conservatory of Music, Austin, Texas; B. Mus. American Conservatory of Music, Chicago; graduate study: American Conservatory of Music; A.B., Southwestern Texas State Teachers College; Ph.D. Columbia University.

HERBERT L. CARTER, B. Mus. Ed., M.A.

B. Mus. Ed., Murray State Teachers College, Kentucky; M.A., Teachers College Columbia University.

ROBERT CARTER, B.S., M.A.

B.S., M.A., Peabody College; study: Julliard School of Music.

BEATRICE CHAUNCEY, B.S. in Music Education, M.A.

B.S. in Music Ed., University of Akron; M.A., Teachers College, Columbia University.

ELIZABETH DRAKE, B.S. in Mus., M.S.

B.S. in Mus., Woman's College, University of North Carolina; M.S., Julliard School of Music; graduate study: Teachers College, Columbia University.

KARL V. GILBERT, Mus. Doc.

Mus. Doc., Geneva College; Teachers Diploma and Music Diploma, Philadelphia Musical Academy; Eastman School of Music; Berkshire Music Center, Tanglewood, Mass.; New York University.

GUSSIE KUYKENDALL, B.S.

B.S., George Peabody College; graduate study: Teachers College, Columbia University.

GEORGE E. PERRY, B. Mus., M. Mus.

B. Mus., M. Mus., University of Wisconsin; graduate study: Wisconsin School of Music.

GLADYS B. REICHERD, B.S., M.A.

B.S., State Teachers College, West Chester, Pa.; M.A., New York University; graduate study: Lehigh University.

DAN E. VORNHOLT, B. Mus., M.A.

B. Mus., M.A., University of Wisconsin; graduate study: Chicago Musical College.

DEPARTMENT OF PSYCHOLOGY

CARL L. ADAMS, A.B., M.A., Ph.D., DIRECTOR

A.B., Bethel College, Kentucky; M.A., Ph.D., George Peabody College; post doctorate study: Harvard Medical School.

HUBERT C. HAYNES, A.B., LL.B., M.A., Ph.D.

A.B., LL.B., M.A., Mercer University; Ph.D., George Peabody College.

HAZEL TAYLOR, A.B., M.A., Ph.D.

A.B., Colorado College; M.A., Ph.D., University of Colorado

DEPARTMENT OF SCIENCE

CHARLES W. REYNOLDS, A.B., M.A., Ph.D., DIRECTOR

A.B., Kentucky Wesleyan; Ph.D., George Peabody College for Teachers.

MARY CAUGHEY, B.S., M.A., Ph.D.

B.S., Geneva College; M.A., Teachers College, Columbia University; Ph.D., Duke University.

J. O. DERRICK, A.B., M.S.

A.B., M.S., University of South Carolina; graduate study: University of Chicago, University of North Carolina, University of Virginia.

R. M. HELMS, A.B., M.S.

A.B., Duke University; M.S., Teachers College, Columbia University.

HAROLD C. JONES, A.B., M.A., Ph.D.

A.B., M.A., Oberlin College; Ph.D., George Peabody College for Teachers.

LUCILE RICE, A.B., M.A.

A.B., University of Kentucky; M.A., University of Illinois; graduate study: University of Illinois and University of Michigan.

HENRY ROOS, B.S., M.A.

B.S., City College of New York; Teachers College, Columbia University.

C. A. SCRUGGS, B.A., M.A.

B.A., Mercer University; M.A., Columbia University.

CHRISTINE WILTON, B.S., M.S., Ph.D.

B.S., University of Arkansas; M.S., Ph.D., University of Wisconsin.

DEPARTMENT OF SOCIAL STUDIES

ARTHUR D. FRANK, B.S., M.A., Ph.D., DIRECTOR

B.S., M.A., George Peabody College; Ph.D., Columbia University.

LAWRENCE BREWSTER, A.B., M.A., Ph.D.

A.B., William and Mary; M.A., Columbia University; Ph.D., Duke University.

HOWARD CLAY, A.B., M.A., Ph.D.

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

H. A. COLEMAN, B.S., M.A., Ph.D.

B.S., Middle Tennessee State College; M.A., University of Michigan; Ph.D., George Peabody College.

BEECHER FLANAGAN, B.Ped., B.S., M.A., Ph.D.

B.Ped., Berea College; B.S., M.A., Ph.D., George Peabody College; post doctorate study: University of Texas.

JOHN J. GEORGE, B.A., M.A., Ph.D.

B.A., Washington and Lee; M.A., University of Chicago; Ph.D., University of Michigan.

E. C. HOLLAR, B.S., M.A.

B.S., Teachers College, Warrensburg, Missouri; M.A., University of Missouri; graduate study: George Peabody College.

W. E. MARSHALL, B.A., M.A.

B.A., M.A., University of Texas; graduate study: University of Texas.

PAUL MURRAY, Ph.B., M.A., Ph.D.

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

PAUL A. TOLL, A.B., M.A., Ph.D.

A.B., Wilmington College, Ohio; M.A., Haverford College, Pa.; Ph.D., Ohio State University.

BETTY M. UNTERBERGER, A.B., M.A.

A.B., Syracuse University; M.A., Harvard University; graduate study: Duke University.

TRAINING SCHOOLS**Campus Training School****FRANCES WAHL, B.S., M.A., PRINCIPAL**

Diploma, State Teachers College, Conway, Arkansas; B.S., George Peabody College; M.A., Teachers College, Columbia University; graduate study: George Peabody College; Northwestern University.

MARJORIE DEW, A.B., B.S. in Library Science, M.A. in Library Science, TRAINING SCHOOL LIBRARIAN

A.B., Furman University; B.S. in L.S., M.A. in L.S., Peabody College.

ANNE L. REDWINE, A.B., M.A., CRITIC TEACHER, FIRST GRADE

North Carolina College for Women; A.B., East Carolina Teachers College; M.A. and Supervisor's Diploma, Teachers College, Columbia University.

LUCY NULTON, B.S., M.A., CRITIC TEACHER, SECOND GRADE

B.S., George Peabody College; M.A., Teachers College, Columbia University.

EUNICE MCGEE, A.B., M.A., CRITIC TEACHER, THIRD GRADE

A.B., Piano Certificate, La Grange College, La Grange, Georgia; graduate study: George Peabody College, Emory University, University of Georgia, Columbia University; M.A., Oglethorpe University.

LOUISE GALPHIN, A.B., M.Ed., CRITIC TEACHER, FOURTH GRADE

A.B., Winthrop; M. Ed., Duke University.

ELSIE EAGAN, A.B., M.A., CRITIC TEACHER, FIFTH GRADE

A.B. and M.A., East Carolina Teachers College.

ELISABETH HYMAN, A.B., M.A., CRITIC TEACHER, SIXTH GRADE

A.B., North Carolina College for Women; M.A., Teachers College, Columbia University.

MRS. ELLEN L. CARROLL, A.B., M.A., CRITIC TEACHER, SEVENTH GRADE

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

MRS. MYRTLE CLARK, B.S., M.A., DEMONSTRATION TEACHER

B.S., George Peabody College; M.A., East Carolina Teachers College.

CHRISTINE JOHNSTON, A.B., M.A., DEMONSTRATION TEACHER

A.B., M.A., East Carolina Teachers College.

Kindergarten**ANNIE MAE MURRAY, A.B., M.A.**

A.B., Anderson College; M.A., Peabody College.

Greenville High School**O. E. DOWD, A.B., M.A., PRINCIPAL**

A.B., M.A., Duke University.

43 doct
x 7 ma
2 ar3

Don
ma
ma
ma
ma
ma

LAURA MATTOCKS BELL, A.B., M.S., CRITIC TEACHER, COMMERCE
A.B., M.S., Woman's College, University of North Carolina.

MRS. MAUDE BOWEN, A.B., CRITIC TEACHER, ENGLISH
A.B., Woman's College, University of North Carolina.

ROLAND FARLEY, A.B., M.A., CRITIC TEACHER, PHYSICAL EDUCATION
A.B., M.A., East Carolina Teachers College.

MRS. MARGARET FARLEY, A.B., B.S. in Library Science, CRITIC
TEACHER, LIBRARY SCIENCE
A.B., B.S. in Library Science, Woman's College, University of North Carolina.

ALLIE ESTELLE GREENE, A.B., M.A., CRITIC TEACHER, MATHE-
MATICS
Columbia University, Vanderbilt University; A.B., M.A., East Carolina Teachers
College.

DEANIE BOONE HASKETT, A.B., M.A., CRITIC TEACHER, ENGLISH
A.B., M.A., East Carolina Teachers College.

SUE CRAFT HOWELL, A.B., M.S., CRITIC TEACHER, BUSINESS EDU-
CATION
A.B., LaGrange College; M.S., North Carolina State College.

FRANCES PEELE LAMB, A.B., M.A., CRITIC TEACHER, SOCIAL SCIENCE
A.B., M.A., East Carolina Teachers College.

MRS. HOWARD MIMS, A.B., CRITIC TEACHER, FRENCH AND SPANISH
A.B., Woman's College, University of North Carolina.

ELSIE EAGAN, A.B., M.A., CRITIC TEACHER, FIFTH GRADE
A.B. and M.A., East Carolina Teachers College.

E. R. ROBINSON, A.B., M.A., CRITIC TEACHER, SCIENCE
A.B., Union College; M.A., Columbia University.

J. E. ROGERS, A.B., CRITIC TEACHER, BAND
A.B., University of North Carolina.

ONA SHINDLER, A.B., M.A., CRITIC TEACHER, MUSIC
A.B., DePauw University; M.A., New York University.

ROBERT B. STARLING, A.B., M.A., CRITIC TEACHER, SOCIAL SCIENCE
A.B., Atlantic Christian College; M.A., University of North Carolina.

JAMES A. WALKER, B.S., M.A., CRITIC TEACHER, ART
B.S., Western Michigan College of Education; M.A., Teachers College, Columbia
University.

COMMITTEES OF THE FACULTY

<i>Committee</i>	<i>Chairman</i>
Educational Policies.....	JOHN D. MESSICK
Curriculum.....	E. R. BROWNING
Pre-Professional.....	J. O. DERRICK
Advisory Committee on Graduate Instruction.....	L. W. JENKINS
Classification and Credits.....	J. K. LONG
Assembly.....	RUDOLPH WILLMANN
Chapel.....	JAMES L. FLEMING
Christenbury Memorial.....	PAUL A. TOLL
Commencement.....	EMMA L. HOOPER AND CHRISTINE WILTON
Communications.....	ALLAN S. HURLBURT
Discipline.....	M. N. POSEY
Entertainment.....	E. R. CALDWELL
Faculty Advisory Committee of the Alumni Association.....	A. D. FRANK
Field Service.....	HOARD J. MCGINNIS
Grounds.....	HAROLD JONES
Guidance.....	FRANK FULLER
Homecoming.....	<div style="display: inline-block; vertical-align: middle;"> <div style="font-size: 3em; vertical-align: middle; margin-right: 5px;">}</div> <div> RUTH GARNER RUTH WHITE W. E. MARSHALL </div> </div>
Intercollegiate Athletics.....	J. B. CUMMINGS
Library.....	W. W. SMILEY
Museum.....	R. M. HELMS
Orientation.....	L. W. JENKINS
Public Relations—Publicity.....	MARY H. GREENE
Publications.....	HOWARD J. MCGINNIS
Self-Help.....	J. B. CUMMINGS
Social Committee—Faculty.....	LILAH R. GAUT
Standards in Written Composition.....	LUCILE TURNER
Student Government Advisory Board.....	L. W. JENKINS
Teacher Recruitment.....	J. L. OPPELT

SPECIAL NOTICE TO STUDENTS

The catalogue of East Carolina Teachers College, issued in the spring of each year, is intended to give such a description of the work of the College and such a digest of its regulations as are needed by students. Although the courses announced and the regulations given are fairly continuous from year to year, neither of them is valid beyond the succeeding year, for before the end of the succeeding year a new catalogue will have been issued, superseding all previous catalogues.

Ordinarily a student may expect to be allowed to secure a diploma or a degree in accordance with the requirements of the curriculum laid down in the catalogue in force when he first entered the College (see regulations) or in any subsequent catalogue published while he is a student; but the faculty reserves the right to make changes in curricula and in regulations at any time when in its judgment such changes are for the best interests of the students and of the College.

II. GENERAL INFORMATION

East Carolina Teachers College was established by an Act of the General Assembly, ratified the 8th day of March, 1907, under the name of East Carolina Teachers Training School. The Charter is found in Consolidated Statutes, Chapter 96. It was amended by the Extra Sessions in 1920, 1921, and 1925. The name of the College was changed to East Carolina Teachers College by an Act of the Legislature in 1921. ✓

The Charter states that the College shall be coeducational—"maintained by the State for the purpose of giving young white men and women such education and training as shall fit and qualify them to teach in the public schools of North Carolina."

The Acts of 1933 abolished free tuition and authorized the Trustees of the College "to fix the tuition fees in such amount or amounts as they may deem best . . .," ". . . all students in the State institution of higher learning shall be required to pay tuition . . . except such students as are physically disabled. . . ."

The Board of Trustees shall consist of twelve members appointed by the Governor and confirmed by the Senate. The State Superintendent of Public Instruction shall be ex officio Chairman of the Board. Each appointed member shall serve for a period of six years or until his successor has been appointed and qualified.

The Board of Trustees shall have the power to prescribe the course of study; shall make no rules that discriminate against one county in favor of another in the admission of students; may decline to admit young men into the rooms of the dormitory; shall retain all rights and titles (to property) acquired for the use and benefit of the College; and shall report the operation of the College biennially to the Governor before the meeting of each General Assembly.

LOCATION

The College is located in the City of Greenville, Pitt County, North Carolina. Greenville is at the junction of the Norfolk Southern and the Weldon-Kinston Branch of the Atlantic Coast Line. It is on State highways 11, 43, and U. S. highway 264.

The plant of the College, at present, consists of a campus of approximately one hundred acres, on which there are twenty-three buildings appropriate to the work of the College.

It is 86 miles east of Raleigh, on the Tar River, and 65 miles, air line, from the Atlantic coast.

HISTORY

The General Assembly passed an Act authorizing the establishment of the College, March 8, 1907.

Ground was broken for the first building July 2, 1908.

The first regular session opened October 5, 1909.

Only one-year and two-year curricula were offered.

The first summer school was held May 24 to July 30, 1910.

The first class was graduated from the two-year normal curriculum June 6, 1911.

The College was authorized to offer a four-year curriculum and to grant the Bachelor of Arts degree November 20, 1920.

The first degrees were conferred August, 1922.

The College was authorized to grant the Master of Arts degree August 22, 1929.

The first Master of Arts degree was conferred in August, 1933.

The College was authorized to offer a curriculum leading to the Bachelor of Science degree May 29, 1941.

ENROLLMENT

October 5, 1909, the College opened its doors for students. Since that date students have been enrolled in residence as follows:

	Regular School Year	Summer	Total	Names Counted Twice	Net Enroll- ment
1909-10	174	330	504	42	462
1910-11	227	300	527	29	498
1911-12	235	359	594	26	568
1912-13	252	322	574	20	554
1913-14	251	328	579	19	560
1914-15	295	394	689	16	673
1915-16	295	398	693	20	673
1916-17	307	353	660	15	645
1917-18	325	273	598	12	586
1918-19	278	286	564	20	544
1919-20	285	293	578	31	547
1920-21	381	302	683	34	649
1921-22	317	352	669	34	635
1922-23	395	436	831	48	783
1923-24	516	490	1,006	59	947
1924-25	593	680	1,273	59	1,214
1925-26	709	710	1,419	134	1,285
1926-27	736	712	1,448	109	1,339
1927-28	767	712	1,479	98	1,381
1928-29	976	540	1,516	199	1,317
1929-30	952	496	1,448	164	1,284
1930-31	984	461	1,445	171	1,274
1931-32	972	473	1,445	147	1,298
1932-33	970	361	1,331	194	1,137
1933-34	1,013	484	1,497	180	1,317
1934-35	1,096	733	1,829	244	1,585
1935-36	1,134	733	1,867	202	1,665
1936-37	1,142	625	1,767	170	1,597
1937-38	1,204	700	1,904	138	1,766
1938-39	1,269	781	2,050	224	1,826
1939-40	1,289	663	1,952	198	1,754
1940-41	1,296	648	1,944	228	1,716
1941-42	1,339	519	1,858	267	1,591
1942-43	1,064	493	1,557	280	1,277
1943-44	980	457	1,437	259	1,178
1944-45	953	406	1,359	243	1,116
1945-46	1,049	393	1,442	258	1,184
1946-47	1,382	567	1,949	344	1,605
1947-48	1,549	786	2,335	462	1,873
1948-49	1,511	1,118	2,629	524	2,105
1949-50	1,858	1,071	2,929	559	2,370

The sum of the annual enrollments since the College first opened its doors is 50,404.

The number of A.B. graduates by calendar years is:

1922.....	2	1936.....	143
1923.....	5	1937.....	169
1924.....	7	1938.....	226
1925.....	19	1939.....	253
1926.....	28	1940.....	325
1927.....	38	1941.....	290
1928.....	54	1942.....	229
1929.....	82	1943.....	201
1930.....	97	1944.....	162
1931.....	88	1945.....	125
1932.....	116	1946.....	123
1933.....	123	1947.....	132
1934.....	111	1948.....	34
1935.....	110	1949.....	90

The number of B.S. graduates by calendar years:

1941.....	1	1945.....	23
1942.....	29	1946.....	27
1943.....	24	1947.....	34
1944.....	25	1948.....	144
		1949.....	210
M.A. graduates in 1946.....			5
M.A. graduates in 1947.....			18
M.A. graduates in 1948.....			37
M.A. graduates in 1949.....			51

CLASSIFICATION OF STUDENTS

June 1, 1949 to March 6, 1950

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Freshmen	445	567	1012
Sophomores	318	331	649
Juniors	319	271	590
Seniors	312	160	492
Special	4	25	29
Graduate	80	97	177
	<hr/>	<hr/>	<hr/>
	1478	1451	2929

GROSS ENROLLMENT BY QUARTERS

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Summer 1949			
First term	437	509	946
Second term	364	311	675
Fall 1949	840	820	1660
Winter 1949-50	828	775	1603
Spring 1950	777	746	1523
Different Students regular year.....	950	908	1858
Different Students summer 1949.....	546	525	1071
Attended summer '49 and regular year.....			2929
<hr/>			
Enrollment in Campus Training School—Elementary.....			505
Enrollment in City Training School—Secondary.....			554

OBJECTIVES OF THE COLLEGE

By legislative enactment East Carolina Teachers College was established to make available "to young white men and women such education and training as shall fit and qualify them to teach in the public schools of North Carolina." Interpreting this to meet the demands of modern society upon the teacher the staff believes that each student accepted for registration should be given an opportunity to develop optimally as a person, citizen and teacher. To this end it is expected that before he is recommended for certification each prospective teacher shall have attained the following major competencies:

1. A sufficiently comprehensive acquaintance with and appreciation of the cultural heritage and the vast body of knowledge which need to be mediated to the young to enable them to live more effectively.
2. Desirable personal traits such as emotional stability, sincerity of purpose, love for children, initiative, dependability, tolerance, social adaptability, and effective habits of work.
3. An adequate understanding of the nature and nurture of children; of the physical, mental, social, and emotional development of youth through the years of formal schooling; of the way their interests and attitudes shift during the process of maturation (together with the implications for teaching).

4. Knowledge of the principles of learning and the techniques of teaching, together with demonstrated skill in the art of guiding the educational experiences of children.
5. Reasonable mastery of the materials of instruction in the field of his particular interest.
6. An understanding of the responsibilities, opportunities and ideals of the teaching profession together with a knowledge of desirable personnel relationships in the school and community.
7. A functional philosophy of education and life.

DISCIPLINE

In conducting a college for young men and women who are about to assume the responsibilities of so serious and dignified a profession as teaching, there should be no occasion for arbitrary and iron-clad rules. Each student should attend promptly and faithfully to every duty and have due consideration and regard for the rights and privileges of others.

No rules are made by the College authorities except those necessary to govern routine work, but if the student is found to be falling behind in his studies, neglecting his duties or exerting an unwholesome influence, prompt steps are taken for his amendment. If a student does not show a disposition to conform to high standards of conduct he is not considered a good prospective teacher; and if he is found unresponsive to instruction and counsel he is requested to withdraw from the College. The student is given the maximum of freedom commensurate with the orderly administration of such an educational institution as this. He is given every encouragement and ample opportunity to develop self-direction in modern cooperative society.

In the spirit of the institution is found the discipline of the College.

STUDENT GOVERNMENT

To promote a sense of personal responsibility in the students of the College a Student Government Association has been inaugurated, subject to the approval of the president of the College and of an advisory board. This organization adopts such regulations as concern the entire student body. The association has so administered its duties as to merit the approval of both faculty and students.

HEALTH

There is a central heating and lighting plant that provides steam heat and electric lights for all the buildings. All those things necessary for sanitary conditions are of the best type procurable. The College gets its water from the City of Greenville. The city owns its waterworks and has the water examined frequently, thus insuring its purity. In short, the college life of each student is made as comfortable as can be, and every possible precaution for health is taken.

The health conditions in the College from the first have been entirely satisfactory.

MEDICAL ATTENTION

The college physician maintains an office in the infirmary. Regular clinics are held twice daily under the supervision of the physician, and medical services are available at all times on call by the infirmary supervisor. All students living in the dormitories and all day students who subscribe to the infirmary services by payment of the medical fee are admitted to the clinics and to the infirmary wards at the discretion of the physician. Two resident nurses are in charge of the infirmary. A well-equipped building adequately meets the needs of student health.

Every student, following admission, is given a thorough physical examination. Satisfactory evidence of successful smallpox vaccination is required of all students.

It is expected that in so far as is possible corrective measures will be taken for the defects found.

The infirmary supplies many common drugs without charge to the student and such services as the staff may render are without charge. Additional services (consultations, special nurses, operations, special drugs) recommended by the attending physician and approved by the student's parents or guardian must be paid for by the student.

STUDENT'S OUTFIT

Each student living in a college dormitory is expected to bring for her own use the following articles: Two pairs of single sheets, one pair of blankets, two counterpanes, two pillowcases, six towels, covers for dresser and table, a spoon, and a glass.

Only single beds are used.

Note: The college laundry stamps each student's wash with a personal mark for identification.

BUILDINGS

ADMINISTRATION BUILDING. This building was constructed in 1929-30, and is given over entirely to administrative offices. It contains the office of the President, the Dean, the Treasurer, the Registrar, and of the Placement Bureau.

MARIA D. GRAHAM BUILDING. The building formerly occupied by the Science Department is now known as the Maria D. Graham Building and is occupied entirely by the Department of Education.

AUSTIN BUILDING. The Austin Building is the former Administration and Classroom Building. It contains thirty classrooms, the stationery room, the book room, teachers' offices, music rooms, the offices of the Alumni Association, and an auditorium where chapel exercises and other general assemblies of students are held.

ROBERT H. WRIGHT BUILDING. The Robert H. Wright Building was named in honor of the first President of the College, who held the office for twenty-five years, and sponsored its construction. It contains a main auditorium, music rooms, and rooms for physical education department.

E. G. FLANAGAN BUILDING. This building is one of the most beautiful buildings on the campus. It houses the departments of Commerce, Geography, Home Economics, Science and Industrial Arts. This building is entirely modern in its architecture, arrangement of rooms, offices and equipment.

HOME MANAGEMENT HOUSE. Prior to 1936 a portion of Jarvis Hall was used for practice purposes for the course in home management. In 1936, on the completion of the new infirmary, the building formerly occupied as an infirmary was converted into a home management house and has since been used for that purpose. It contains ten rooms, which allows separate rooms for a group of seniors and an instructor, as well as ample space for entertaining. It also contains an apartment where a smaller group lives on a lower income level. The units of work on each level are run simultaneously.

LABORATORY SCHOOL. The College has a well-equipped school building on the campus for practice teaching purposes in the elementary grades. This school has an enrollment of 527. For practice teaching in high school subjects, the College has a cooperative arrangement with the Greenville High School. This school has an enrollment of 578.

JOYNER LIBRARY. The Joyner Library, located on Wright Circle, was erected in 1924. It is a fireproof building and is used entirely for library purposes. The reading rooms will accommodate 250 readers and the stack room has capacity for 80,000 volumes. The book collection numbers more than 61,000 volumes at present and is being added to at the rate of around 3,500 a year. More than

300 magazines and newspapers are received. Instruction in the use of the Library is given all freshmen and the students are encouraged to take advantage of its facilities. Courses in Library Science are offered for teacher-librarians.

DORMITORIES. The College is equipped with dormitory space to accommodate 1053 students in five dormitories for students as follows:

Wilson Hall	190 Men
Jarvis Hall	171 Women
Fleming Hall	191 Women
Cotten Hall	286 Women
Slay Hall	215 Men

1853

Each dormitory room is provided with two single beds with springs, mattress and pillows, two chairs, a table, a lavatory, a bureau—all the necessary furniture for comfortable living.

RAGSDALE HALL. Ragsdale Hall is a dormitory fully equipped for the accommodation of women members of the faculty and other women employees of the College. Its equipment is similar to that of the dormitories for students.

FACULTY RESIDENCES. On the campus are four residences which are rented to members of the faculty.

INFIRMARY. The College Infirmary is a two-story fireproof building located centrally on the campus. It is provided with 50 beds, and is adequately equipped to meet the needs of the student body. It is given class A rating by the American Medical Association.

DINING HALL. The dining hall is one of the most attractive buildings of the institution. The equipment in the kitchen is modern in every sense. For the preservation of meats, vegetables, and other foodstuffs, the College has a refrigerating plant of the best type. The dining hall is under the direction of a trained dietitian and each menu is made out with much care—the object being to

provide for the student body the most wholesome food and to see that this food is prepared in the best way possible.

COLLEGE POST OFFICE. The college post office is located in a wing of the dining hall. Students, faculty, and officers of the College may secure post office boxes for convenience in getting their mail. Regular mail deliveries from the downtown office are received at least twice a day and outgoing mail is taken up at the same time.

THE LAUNDRY AND POWER PLANT. The laundry and the power plant are under the same roof. The equipment here, as in the other buildings, is of the best possible type. The laundry has all the necessary equipment for efficient laundry work.

SLAY HALL. This new dormitory was opened during the summer of 1950.

COLLEGE PUBLICATIONS

At least four regular bulletins are published by the College each year. The regular bulletins are the annual catalogue, the summer school bulletin, and two others that deal with some phase of teacher training. Recently bulletins have dealt with Student Activities, Prognostic Value of High School Grades, Recent Studies by Faculty and Advanced Students, and the Alumni Association.

STUDENT PUBLICATIONS

The *Teco Echo*, the college paper, is published weekly by the students. It carries the usual college and alumni news, and is designed to furnish an outlet to student expression on all matters pertaining to their educational development.

The *Tecoan* is the college annual. It is published by the students at the close of each regular school year.

Pieces O'Eight, a quarterly magazine, is devoted to fiction, humor, and general student activities.

ORGANIZATIONS

It is the policy of the College to encourage campus organizations that have for their purpose the building of character, personality and scholarship. The following is a list of such organizations:

Association for Childhood Education	Phi Sigma Chapter of the Sigma Pi Alpha
Beta Kappa Chapter of Pi Omega Pi	Poe Society
The Teachers Playhouse	Robert H. Wright Chapter of the Future Teachers of America
College Band	Science Club
College Chorus	Student World Federalists
College Orchestra	The Alumni Daughters and Sons
Commerce Club	Varsity Club
Emerson Society	Verse Speaking Choir
English Club	Veterans' Club
French Club (Phi Sigma)	Women's Athletic Association
Home Economics Club	Women's Chorus
Industrial Arts Club	Young Men's Christian Association
International Relations Club	Young Women's Christian Association
Jarvis Forensic Club	
Lanier Society	
Mathematics Club	

THE YOUNG MEN'S AND YOUNG WOMEN'S CHRISTIAN ASSOCIATIONS

The religious interests of the College are centered in the Young Men's and Young Women's Christian Associations. The Young Women's Association was organized in 1909 and the Young Men's in 1939. Since that time both of the organizations have done very effective work in promoting high ideals among the students. Regular devotional meetings are held to which all members of the student body and the members of the faculty are invited.

The organizations have their own building for religious and social activities; and they sponsor a reading room where students may come at their pleasure to read or study.

Each year these associations send delegates to the Southern Student Conference held at Blue Ridge, North

Carolina, where methods for bettering the coming year's work are studied.

These associations render efficient aid in meeting new students and in the organization of the College at the opening of the fall quarter.

WESTMINSTER FELLOWSHIP

As the name "Westminster" stands for the Presbyterian Creed, so the word "Fellowship" suggests the friendships formed as Presbyterians worship, play and study together on our campus. The Presbyterian Church is about five blocks from the campus, and the College students have their own special Sunday class with their own Student Director.

BAPTIST STUDENT UNION

For several years the Baptist Student Union has been active in promoting and unifying the several voluntary religious activities of students in the two local Baptist churches. The denomination provides a Student Center and a full-time Secretary to work with the College group. The B. S. U. seeks to give attention to the individual, spiritual, and social needs of students and encourages attendance at church services.

CANTERBURY CLUB

The Canterbury Club is the organization for College students belonging to the Episcopal Church. It meets for breakfast each Sunday morning following early Communion Service. At Christmas the Club sponsors a party, and in the spring, one week-end is spent at Camp Leach near Washington, N. C. The club is affiliated with the Association of Canterbury Clubs which is the student section of the Church Society for College Work of the National Council of the Episcopal Church.

THE WESLEY FOUNDATION

The Wesley Foundation is the Methodist Church at work on the College campus. The objective of the en-

tire program is to bring students to know God through Jesus Christ and to express His spirit in all life's relationships. The Methodist Student Center located just across the campus on East Fifth Street is a "Home away from home," offering the students Christian fellowship, relaxation, understanding, sympathetic guidance and inspiration for Christian living. The Counselor, Miss Mamie Chandler, lives in the Center and welcomes the students at any time.

Jarvis Memorial Methodist Church welcomes the students to all its services, and provides a special class for students in the Church school.

CHRISTIAN STUDENT ASSOCIATION

The Christian Student Association was organized on the campus last year for student members of the Disciples of Christ. The Student Center or "church home" is located at 515 East Eighth Street. The C. S. A. has as its purpose spiritual guidance and practice in church stewardship.

CATHOLIC STUDENTS DISCUSSION CLUB

The Catholic Students Discussion Club meets once a week. Topics of timely interest are discussed from their religious aspect. The local group is a part of a state-wide organization recently formed.

COLLEGE CHAPEL

Voluntary chapel services are held each Tuesday at 12 o'clock noon in the Austin Auditorium. Various clergymen and religious leaders are invited to speak at these services.

ALUMNI ASSOCIATION

On June 5, 1912, the Alumni Association of the College was organized by the classes of 1911 and 1912, formulating as its purpose—"to develop a spirit of cooperation among its members, to increase a spirit of loyalty to its

Alma Mater, and to promote the general welfare of the institution." A regular meeting of the Association is held on Alumni Day of each commencement.

Alumni headquarters—one large room on the main floor of the Austin Building partitioned to include an office, a filing room, and a reception room—was provided and furnished by the Administration in February 1940; and a general full-time secretary for the Association was employed by the cooperation of the Association and the College. In 1944, the secretary's salary, travel and office maintenance were included in the College budget. The assistant's salary was provided by the Alumni Association. Later, salary for assistants was placed in the College budget.

Since its organization the Association has made several gifts to the College, among which are the memorials—the Kate R. Beckwith Gateway; the Austin Loan Fund; the Wilson Memorial; a contribution to the Robert H. Wright Loan Fund; and the establishment of a loan fund in honor of the four original members of the faculty who served until retirement—Miss Maria D. Graham and Miss Sallie Joyner Davis, retired in 1945, and Miss Mamie E. Jenkins and Miss Kate W. Lewis, retired in 1946.

In 1940 the Association began the annual presentation of a symbolic alumni award to a graduate in recognition of achievement. The first recipient was Miss Pattie Dowell, who was the first registrant and the first graduate of the College and who has achieved much in the field of teaching. The other recipients of the award are Mrs. Elizabeth Stewart Bennett (1941), Miss Bonnie C. Howard (1942), Mrs. Alla May Jordan Holland (1943), Mr. Robert Sugg Fleming (1944), Mrs. Annie Laurie Brinkley McDonald (1945), Mr. Robert A. "Bob" Eason (1946), Mr. Clifton Britton (1947), Mrs. Elsie Morgan Rogers (1948), and Dr. Malene Grant Irons (1949).

In the fall of 1947 Homecoming Day was observed for the first time in many years. Plans are being made to

make this an annual affair. Saturday, October 14, 1950, has been set as the next Homecoming Day.

The officers of the Association are elected every two years. Those serving for 1949-'51 are Mildred Harrison Bullard, president; Ella Moore, vice-president; and Ruth White, treasurer. The District Vice-Presidents are elected on even years. The present officers are Mrs. Elizabeth Stewart Bennett, Western District; Stanley Scarborough, South Piedmont District; Baxter Ridenhour, Northwestern District; Mrs. Leola Pleasant Lassiter, North Central District; Miss Grace Smith, Northeastern District; and Miss Bessie Fay Hunt, Southeastern District.

BUREAU OF FIELD SERVICES

Through the Bureau of Field Services the College is prepared to offer to the public schools and to teachers in service in North Carolina guidance in conducting educational workshops, a small number of extension courses, aid in educational clinics in special fields, speakers for special occasions, assistance in educational surveys and curriculum studies, and consultation on special problems.

The College welcomes requests for assistance in any of the projects mentioned above. The service it can give is limited by the faculty teaching load on the campus. The Bureau endeavors to spread the services it renders as widely as possible over Eastern North Carolina rather than concentrate it in a small area.

Fees for extension courses are set by the Board of Trustees. Necessary expenses for other services rendered should be borne by the organization or school unit served since the College budget does not carry an item for this purpose.

DEPARTMENT OF AIR SCIENCE AND TACTICS

East Carolina Teachers College maintains an Air Reserve Officers Training Corps Unit. The board of trustees in 1948 entered into an agreement with the Federal Government for the establishment of a voluntary Air ROTC Unit. Air ROTC is an elective course of military training for men students who are physically qualified.

Air ROTC training consists of a basic course of four quarters, followed by an advanced course of two years. Students in the basic course are furnished, without charge, an officers' uniform, including shoes, and textbooks. College credit of two hours per quarter is given. Graduates of the basic course are eligible to take the advanced course. Students in Air ROTC are not subject to the draft if doing good work and when deferred by the Professor of Air Science and Tactics. This deferment is effective even in case of war or other national emergency until the college education is completed or otherwise terminated.

Men who have had one year or more of active service in the Air Forces, Army, Navy, Marine Corps or Coast Guard, are eligible to apply for admission to the advanced course also. Selection for the advanced course, not to exceed a quota set by the Department of the Air Force, is made by the President of the College and the PAS&T. Students entering the advanced course receive a uniform allowance approximately sufficient to purchase the required officers' uniform and commutation in lieu of rations of approximately \$27.00 per month. This allowance is in addition to benefits received by the veteran under the "GI Bill of Rights". Textbooks are also furnished free. The advanced course carries college credit of three quarter hours.

A student who successfully completes the advanced course and is recommended by the President of the College and the PAS&T is commissioned a second lieutenant in the United States Air Force Reserve.

If a student ranks in the upper one-third of his class in academic standing, he may apply for a regular air force commission.

Prospective students who desire further information should write to the Professor of Air Science and Tactics, East Carolina Teachers College, Greenville, North Carolina.

III. EXPENSES

DAY STUDENTS

The fee for day students, i.e., those not living in one of the college dormitories, is \$56.00 a quarter of twelve weeks.

DORMITORY STUDENTS

The fee for dormitory students is \$84.00 a quarter. This fee covers tuition, instruction, room, laundry deposit, admission to college entertainments, subscription to the college paper, and infirmary service for minor illness.

RESERVATION FEE

A reservation fee of \$5.00 must accompany the application for admission from all students. The fee is credited to the student's account, provided he enrolls in the quarter for which reservation is made. If he wishes to withdraw his application and notifies the College in writing at least two weeks before the opening of the quarter, the fee will be returned.

FEES PAYABLE EACH QUARTER

	Dormitory Students	Day Students
Registration, etc. _____	\$ 10.00	\$ 10.00
Tuition _____	35.00	35.00
Tuition (non-residents of N. C.) _____	70.00	70.00
Room Rent (Except Wilson and Slay Dormitories) _____	20.00	_____
Laundry Deposit _____	8.00	_____
	<hr/>	<hr/>
	\$ 73.00	\$ 45.00
Student Activity Fee* _____	11.00	11.00
	<hr/>	<hr/>
Total _____	\$ 84.00	\$ 56.00
Wilson and Slay Dormitories (Addi- tional Room Rent) _____	3.00	_____

* This fee admits students to music concerts and lecture programs and pays membership or participation in the Student Government, the student newspaper, the annual, athletics, etc.

The College operates a cafeteria in which meals are available to all students at moderate prices. Coupons in books of \$5.00 are available for the convenience of students who wish to purchase them.

OTHER FEES

Private music lessons (a quarter).....	\$15.00
Student teaching	10.00
Diploma fee (with application for graduation).....	5.00
Late registration	1.00
Changes in schedule (a subject).....	.25
Transcript (after first)	1.00
"Auditor" in one or more courses.....	6.00
Infirmary fee**	1.00

Special students, i.e., day students who schedule not more than eight credit hours a quarter, will pay a fee of \$4.00 a credit hour scheduled.

These fees are subject to revision by the Board of Trustees of the College, and it reserves the right to revise them at any time it is found necessary or advisable to do so.

To be exempt from the out-of-state fee:

1. The parent or guardian of a student must be residents of the State at the time of his registration, or
2. The student must have established residence in the State at least six months before he entered the College.

A resident student is construed to be one who actually lives in the State and not one who has merely moved into the State for the purpose of securing an education from one of the State Institutions.

TEXTBOOKS

Students are required to purchase their textbooks. For their convenience the College will maintain a depository where all necessary books may be purchased.

** Charged day students not living in own homes. Gives infirmary service.

WITHDRAWALS, REFUNDS, CREDITS

Students who, for any reason, withdraw from the College before the end of any quarter will have a proportionate part of the amount paid for board refunded. In addition, if a student withdraws before registration for the quarter is closed, one-half of the fees for room and tuition will also be refunded. Refund will be calculated from the date of official withdrawal from the College.

A student desiring to withdraw from the College should do so with the consent of his parent or guardian and the approval of the Registrar. Students who withdraw unofficially are not eligible to re-enroll in the College.

CREDIT.—No degree, diploma, or certificate will be granted or a transcript of credits furnished a student until all financial obligations to the College, other than student loans, have been paid.

All previously incurred expenses and accounts at the College must be fully paid or secured before a student may re-enter at the beginning of any quarter.

STUDENT LOAN FUNDS

Since the founding of the College in 1909, graduating classes, alumni, organizations, and individual friends of the College have contributed toward loan funds for worthy students.

The first gift toward a loan fund was made by the Class of 1911, the first class to be graduated from the College. For more than a decade, each succeeding class made a liberal contribution toward that fund which was called the "Students Loan Fund." The Class of 1922 named their gift the "Wilson Loan Fund." The alumni established the "Beckwith Loan Fund" and the "Austin Loan Fund."

During the year 1946 the Alumni Association established a loan fund of \$1,200.00 in honor of Miss Sallie Joyner Davis, Miss Maria D. Graham, Miss Mamie E. Jenkins and Miss Kate W. Lewis all of whom were members of the first College faculty.

Other donors of loan funds together with present values of those loans are listed below:

FUND	TOTAL
A. B. Andrews	\$ 7,661.00
Beckwith	502.22
Kiwanis	192.65
Pitt County	2,511.12
Masonic Theatre	388.41
Wilson	1,303.86
Saint Bernard	1,215.97
Students	4,443.27
K. T. and R. A.	1,356.76
Abbott	2,722.67
Robert H. Wright	6,882.62
Austin	753.48
Alumni	1,205.34
TOTAL	\$31,139.37

THE ADDIE FULFORD RODMAN MEMORIAL LOAN FUND, donated by Colonel W. B. Rodman in memory of his wife, yields approximately \$400 a year. This fund is in the custody of the State Department of Public Instruction.

APPLICATION FOR LOANS

Applications will be considered by the Loan Fund Committee of the College when made by students on blanks furnished by the Treasurer. The funds are limited in amount and are loaned to students only for use in their junior and senior years and on the surety of two approved signatures. Application should be made at least two weeks before the beginning of a quarter for which the loan is desired.

No student may borrow more than the actual college expenses for any one quarter, and no student may borrow a total of more than \$350.00 during his college career.

Scholarship and student government records are considered in the awarding of loans.

SCHOLARSHIPS

THE ANDREWS SCHOLARSHIP. An endowed scholarship valued at \$100.00 annually, and known as the Andrews Scholarship, has been given by Mr. A. B. Andrews in memory of his wife, Helen Sharples Andrews.

U. D. C. SCHOLARSHIPS. (a) The Samuel S. Nash Scholarship, \$130.00 annually, is given by the Thirteenth District of the United Daughters of the Confederacy.

(b) The Gen. James Johnston Pettigrew Scholarship, \$130.00 annually, is given by the North Carolina Division of the United Daughters of the Confederacy.

(c) The James Fenly Spear, Jr., Memorial Award is an annual award of \$50.00 given by Mrs. Nell C. Spear in memory of her son, James Fenly Spear, Jr., a former student of East Carolina Teachers College, who lost his life while serving his country in World War II.

The recipient of this award is chosen by the Science faculty on the basis of scholarship, citizenship and leadership, from the Science majors of senior standing.

(d) The John B. Christenbury Memorial Trophy is awarded annually to a young man student of East Carolina Teachers College who is a member of an athletic team during his senior year, and who is selected by a faculty committee on the basis of scholarship, character, and service to the College. The trophy will be kept at the College and have the winner's name engraved on it each year.

(e) The Thomas C. Williams Memorial Scholarship award is a ten dollar award presented annually at Commencement by Beta Kappa Chapter of Pi Omega Pi, the national honorary business education fraternity. It is awarded to the senior business education major with the highest scholastic average in four years of business education at East Carolina Teachers College. It is named in honor of a former member of the chapter.

A number of working scholarships are available for students doing graduate work.

Application for these should be made to the chairman of the committee on Graduate Instruction.

GIFTS TO THE COLLEGE

The two literary societies and the various graduating classes have left a large number of donations to the College. Among these gifts are oil portraits of the four men most closely associated with the establishment of the College, money with which to buy plants and shrubbery for the campus, books for the library, funds for interior decoration, and curtains for the stage.

IV. ADMISSION

Application for admission to East Carolina Teachers College must be made on a form provided by the College. It must be approved by the Registrar before the student is permitted to enroll. The application for admission must be accompanied by the reservation fee of \$5.00. The reservation fee becomes a registration fee if the student presents himself at the College for registration, and it is not then refundable.

No student will be admitted until records proving his eligibility have been presented.

To be admitted to any curriculum a student must be sixteen years of age.

The dates for registration in the different quarters of the college year are given in the calendar which appears in each annual catalogue.

No student will be given, under any condition, a permit to register in any quarter later than one week after the regular date for his registration. Registration is not complete until all required registration forms have been filled out properly and filed with the Registrar. These forms must be returned to the Registrar within twenty-four hours after the student has received his permit to register. No registration forms will be accepted by the Registrar after one day has elapsed following the close of the registration period of one week.

Registration is not complete until all fees for the quarter have been paid or arrangements made with the Treasurer for paying them, and required forms on file in the Registrar's office.

Admission From High School

Students who have not attended another college may be admitted to East Carolina Teachers College under any one of the following conditions:

1. The satisfactory completion of a four-year course in an approved secondary school, with sixteen units of credit.

2. The equivalent of such a course as shown by passing the college entrance examination.

3. Evidence of having satisfactorily completed a standard secondary course in an accredited private or denominational school.

The major portion of the secondary school course accepted for admission should be definitely correlated with the curriculum to which the student is admitted.

All students entering from high school who have less than an average grade of "3" on transcripts will be required to take a battery of tests for guidance purposes. Entering students who make low scores on these tests may be required, by their major adviser, to take certain courses without credit as a basis for further work in such fields as English, science, mathematics and social studies.

PREScribed UNITS FOR ADMISSION

1. ENGLISH 4 units
 Grammar and composition—one or two units.
 American literature—one unit.
 English literature—one unit.
2. MATHEMATICS $1\frac{1}{2}$ units
 Algebra—at least one unit.
 One unit in arithmetic is recommended for those majoring in elementary school teaching.
 One unit in geometry is recommended for those majoring in high school teaching.
3. SOCIAL SCIENCE 2 units
 American history—one unit.
 Additional history, civic or geography one unit.
4. BIOLOGY AND PHYSICAL SCIENCE 2 units
 At least $\frac{1}{2}$ unit in each of two fields selected from biology, general science, chemistry, physics.
5. ELECTIVES $6\frac{1}{2}$ units

Mathematics majors must present 2 units of algebra and one unit of plane geometry.

Applicants not meeting these requirements may be admitted by special examination. The examination is general and covers the usual secondary school material in English, mathematics, history, and science.

Admission From Another College

To be admitted on a transcript from another college, a student must present a transcript showing satisfactory achievement and be eligible for readmission to that college.

Applicants for admission here for the first time are urged to have their credentials in the hands of the Registrar of the College several weeks prior to registration day. An official record of high school work must be presented as well as an official transcript of all college work done. Honorable dismissal from the last college attended is required. These credentials must be approved by the Registrar before the student is permitted to register and attend classes.

The grade point-credit ratio of transfer students will be considered "1" or average for all credit hours accepted toward the completion of the student's curriculum.

No credit will be given for courses that carry the lowest passing grade when submitted on transcript from another college.

EXTENSION AND CORRESPONDENCE

A student is not allowed, except by special permission from his adviser, and then only when he is carrying less than the maximum amount of work, either to begin or to continue correspondence or extension courses while taking work in residence at East Carolina Teachers College.

Moreover, a student enrolled for correspondence or extension work with another college must notify his adviser when he is taking such courses. Students are held individually responsible for any violation of this regulation.

Not more than fifteen per cent of the total hours required for the completion of any curriculum shall be earned through correspondence or extension study, or both. Students will not receive credit for correspondence courses in the major field.

Correspondence courses will not be accredited toward the Masters' degree.

FRESHMAN REGISTRATION

In order to facilitate the process of adjustment which the beginning student must pass through, the College has set up at the beginning of the fall quarter a "Freshman Registration" program for all students who are entering here for the first time. The events of this program include preregistration counseling, special lectures in student traditions and college regulations, tours of the College Plant, social features in the student organizations of the College and making up the students' program of studies for the quarter. This program begins with a meeting of the entire freshman class in the Wright Auditorium, at 9:30 A.M., on the first day of "Freshman Week." All students entering the College for the first time are required to be present at all appointments comprising the freshman registration program.

SUMMER QUARTER

It is the aim of the College to render every service it may to advance the best interests of public education in our State. Realizing that many teachers wish to study after their schools close, that they may better equip themselves for their profession; also realizing that all the schools of the counties do not close at the same time,

the College, to meet these conditions, will admit students at the beginning of any regular quarter, and in addition to this it conducts a summer quarter.

The summer quarter is equivalent in all respects to any other quarter in the college year. Credits completed in the summer quarter count toward graduation.

If there is sufficient demand for any of the courses offered in this catalogue, the course is given. See summer school bulletin for information in detail.

V. TEACHER'S CERTIFICATES

For Teachers In The Elementary Schools

Before any certificate will be issued for teaching in the elementary schools, the records from the institution in which the applicant received his training must show that he has reached a satisfactory state of proficiency in spelling and penmanship. The certification will be made by the institution and will appear on the record.

Grammar and primary certificates, Class A, require of candidates, who do not hold a lower grade certificate, graduation from a standard four-year college.

Health and Physical Education for Elementary and High School Teachers¹

As of July 1, 1950, the following will constitute the requirements in Health and Physical Education for elementary teachers and for teachers of those subjects in the high schools:

Elementary Teachers

1. Practices and Procedures in Physical Education for Elementary Schools 2 S.H.
2. Practices and Procedures in Health for Elementary Schools 2 S.H.
(Two semester hours of Biological Science are recommended as a prerequisite).

Full-time Teacher of Health and Physical Education in the Junior and Senior High School..... 30 S.H.
This shall include:²

1. Human anatomy and physiology..... 6 S.H.
2. Principles, Organization, Administration, Supervision of Physical Education and Health Education.....6-8 S.H.
3. Physical Education skill and applied techniques¹.....6-8 S.H.
(Must include four of the following six groups:)
 - a. Group games of low organization (game adaptable to adult groups and to children of elementary age).
 - b. Dual and single games (tennis, handball, golf, badminton, track, and field events, etc.).
 - c. Group games of high organization (football, soccer, rugby, basketball, baseball, volleyball, speed ball, lacrosse, field hockey, etc.)

¹ Required service courses, in health and physical education are not acceptable for credit towards certificates in these fields.

² 6-8 semester hours of biology and physical sciences and 6-8 semester hours of social sciences recommended as prerequisites.

- d. Rhythms and dances.
 - e. Gymnastics and stunts.
 - f. Aquatics.
4. Individual and corrective physical education..... 2-4 S.H.
5. Health Education:
- a. Methods and Materials in Health Education. If Methods and Materials are used toward fulfilling the general education requirements, the additional work in the field of Health and Physical Education must be taken to fulfill major requirements 2-3 S.H.
 - b. Hygiene, including personal health, public health, child hygiene, and sanitation, immunology, and allied subjects 2-4 S.H.
6. Biology 6 S.H.

HIGH SCHOOL TEACHERS' CERTIFICATES³

These certificates will be issued on the basis of transcripts of college records which show that a required amount of professional credit and specialized work on major subjects has been earned. Graduation from college is required.

Each applicant should meet the requirement in two or more teaching fields. Subjects for which certification is granted will appear on the certificate.

The professional requirements on all high school teachers' certificates shall be 18 semester hours (27 quarter hours) as follows:

- 1. Educational Psychology 2 sem. hrs.
- 2. Principles of High School Teaching
or
Problems in Secondary Education..... 2 sem. hrs.
- 3. Materials and Methods..... 2 sem. hrs.
- 4. Observation and Directed Teaching..... 3 sem. hrs.
- 5. Electives in Education..... 9 sem. hrs.

³ Requirements for high school teachers' certificates in effect until July 1, 1950 appear in the 1948-49 bulletin. Present degree requirements enable students to satisfy the certification requirements that will be effective as of July 1, 1950.

The minimum subject matter requirements for the teaching of any subject shall be:

	<i>Semester Hours</i>		<i>Semester Hours</i>
English	30	Office Skills (shorthand, transcription, and typ- ing)	12
Mathematics	21	Minimum office experience.	
Physical Education	30	Certification may be granted in the individual areas as follows:	
Fine Arts	30	Typewriting	4
Industrial Arts	30	Stenography	11-13
French or Spanish	24	Stenography, including transcription	9
This is based on two units of high school French or Spanish, otherwise 30 semester hours is required. (This must include 6 S. H. of spoken language).		Typing	2-4
Social Science	30	Bookkeeping	15
a. American History	6	Accounting and Manage- ment.	
b. European History	6	Basic Business	24
c. From Government, Geog- raphy, Economics or So- ciology	12	Economics	12
d. Electives (from a, b, c)	9	Management and Accounting	12
Individual certification will be granted in any of the specific areas, history, government, geog- raphy, economics and sociology, in which 12 semester hours cred- it is presented. Certification for Citizenship or Civics or Problems in American Democracy would require credit for at least 18 se- mester hours from government, economics and sociology.		Music Education: General	36
Science*	20	a. Applied Music	18
This shall include: Biology, Chemistry, Physics and Geog- raphy or Geology.		Piano	6-12
Commerce	36	Voice	6-12
Economics and		b. Theory of Music	12
Retailing	12-15	(Harmony, form, ear- training)	
Accounting and Management (including Office Manage- ment)	12-15	c. History and appre- ciation of music	6
		Music Education: Instru- mental	36
		a. Applied Music	21
		Major instrument	12
		Two minor instru- ments (piano advised to be one)	9
		b. Theory of Music (har- mony, form, ear- training)	9
		c. History and Appre- ciation of Music	6

* A certificate will be issued in any one of the Sciences in which an applicant presents a minimum of 12 semester hours college credit.

*Semester
Hours*

Home Economics	51	ed as a minimum). Other
a. Chemistry	6	courses may include buying,
b. Biology	6	furnishing and housing.
c. Physics	2	h. Family
d. Art	3	Child Development (requir-
e. Foods	8	ed).
f. Clothing	8	Family Relationships (re-
g. Management	6	quired).
Home management Residence	Health, Nursing and Hygiene.	
required (6 weeks recommend-	i. Social Science	6

Librarians

Whole-time librarians as of 1941 must hold a degree from a standard four-year college, have met professional requirements not less than those for the Class A Teacher's Certificate and shall have earned at least twenty-four semester hours of credit in Library Science taken in an accredited library school. This work shall include administration, cataloging and classification, reference, children's and adolescent literature.

Teacher-librarians, that is, teachers who give a portion of their time to library work, shall have earned a degree in a standard four-year college, met professional requirements for the Class A Teacher's Certificate, and earned at least twelve semester hours in Library Science. This work shall include administration, reference, children's and adolescent literature.

As of July 1, 1950, school librarians in North Carolina will be certified on one basis only, i.e., eighteen semester hours of Library Science will be required of all who receive a school librarian's certificate. This shall include:

Administration and Organization of the School Library	3
Reference Books and their use	3
Book Selection for Children	2
Book Selection for Young People	2
Simplified Classification and Cataloging	3

**Requirements for Principal's Certificate, Effective
As of July 1, 1943**

- A. Hold or be qualified to hold the Class A Teacher's Certificate (secondary or elementary).
- B. Have three years' teaching experience within the past five years.
- C. Hold a Master's degree from an institution of higher learning with recognized graduate standards approved by the State Department of Public Instruction.
- D. Have credit for a minimum of 18 quarter hours (27 recommended) of graduate work in Education selected from the following areas:
 - 1. Fundamental Bases of Education.
 - a. The Curriculum, at least 3 quarter hours required.
 - b. Human Growth and Development.
 - c. Social Foundations of Education.
 - 2. Instructional and Supervisory Techniques.
 - a. Principles of Supervision, at least 3 quarter hours required.
 - b. Teaching Procedures.
 - c. Guidance and Pupil Personnel and Accounting.
 - d. Measurements.
 - 3. Organization and Administration.
 - a. High School Administration, at least 3 quarter hours required.
 - b. Elementary School Administration, at least 3 quarter hours required.
 - c. General Administration.
 - d. School Plant.
 - e. Staff Personnel.
 - f. Community Relations.
- E. Electives.....18-27 quarter hours

This elective credit may be of the candidate's choice, subject to such requirements as the institution may have for the Master's degree, but it should be designed primarily to add to one's equipment as a teacher.

**Requirements for Superintendent's Certificate,
Effective As of July 1, 1943**

- A. Hold or be qualified to hold the Class A Teacher's Certificate (secondary or elementary).
- B. Have five years' experience within the past ten years, with at least two years as principal of an elementary or secondary school of seven or more teachers, during which time the applicant held or was qualified to hold a Principal's Certificate under requirements set up.
- C. Hold a Master's degree from an institution of higher learning with recognized graduate standards approved by the State Department of Public Instruction.
- D. Have credit for 27 quarter hours of graduate work in Education selected from the following areas:
 - 1. Fundamental Bases of Education.
 - a. The Curriculum, at least 3 quarter hours required.
 - b. Human Growth and Development.
 - c. Social Foundations of Education.
 - 2. Instructional and Supervisory Techniques.
 - a. Principles of Supervision, at least 3 quarter hours required.
 - b. Teaching Procedures.
 - c. Guidance and Pupil Personnel and Accounting.
 - d. Measurements.
 - 3. Organization and Administration.
 - a. General Administration, at least 3 quarter hours required.
 - b. School Finance, at least 3 quarter hours required.
 - c. School Plant.
 - d. Staff Personnel.
 - e. Community Relations.
- E. Electives.....18 quarter hours

These elective credits may be in Education, or in a field of the candidate's choice, subject to such requirements as the institution may have for the Master's degree. It

is recommended, however, that if the applicant does not already have such an understanding, either through his undergraduate work, or through 1, 2 and 3 above, the electives afford an opportunity to secure a general understanding of the relation of the school to social and political institutions of the community.

Requirements for Graduate Secondary and Graduate Elementary Certificates, Effective As Of July 1, 1941

I. Graduate Secondary Certificates:

- A. Hold or be qualified to hold the Class A High School Teacher's Certificate.
- B. Have three or more years' teaching experience.
- C. Have a Master's degree from an institution of higher learning with recognized graduate standards approved by the State Department of Public Instruction. This would include:
 1. Subject matter in the certificate fields.....18 q.h.
 2. Education (Philosophy, Principles, Curriculum
Psychology, etc.) 9 q.h.
 3. Electives18 q.h.

II. Graduate Elementary Certificate:

- A. Hold or be qualified to hold the Class A Primary or Grammar Grade Teacher's Certificate.
- B. Have three or more years' teaching experience.
- C. Have a Master's degree from an institution of higher learning with recognized graduate standards approved by the State Department of Public Instruction. This credit would include:
 1. Academic work9-18 q.h.
This should include subject matter in those fields in which there are manifest weaknesses in the equipment of the individual, as well as subject matter that would strengthen points already strong.
 2. Education (Philosophy, Principles,
Curriculum, Psychology, etc.).....9 q.h.
 3. Electives18-27 q.h.

STUDENT-TEACHING AND PLACEMENT SERVICE

Student-teaching is recognized generally as the culminating aspect of one's professional preparation for teaching. Adequate facilities for the administration and supervision of this phase of the student's work are provided by East Carolina Teachers College. The campus elementary school, the Greenville High School and several high schools in the service area of the College are utilized.

Before admission to student-teaching the student must have attained classification as a senior in the College and have met all departmental prerequisites. Also he must have accumulated at least as many quality points as he has quarter hours of credit and have a general average of not less than "3" in his major and minor field of preparation. Moreover, a student will not be admitted to student-teaching until he has completed at least two full quarters of work at East Carolina Teachers College. Furthermore the student must be in good standing on the records in the office of the Dean of Men or Dean of Women.

All applications for admission to student-teaching must be made to the Director of Student-Teaching and Placement during the registration period of the spring quarter prior to the academic year in which the student-teaching is to be done.

Student-teaching outside Greenville will be permitted for credit only in cases where local facilities are inadequate and then only when the supervisory staff of the College makes all the arrangements with school officials.

Students who are preparing for certification complete the student-teaching requirements during a single quarter, during which they spend the entire day in the laboratory school. As a general policy students will not be permitted to take any course concurrently with student-teaching except Ed. 318s, which is required. Student-teaching is permitted only in the field of major preparation.

Enrollment in the student-teaching courses is completed only when the student-teacher has registered in the office of Student-Teaching and Placement. Placement service is available gratis to all** graduates of East Carolina Teachers College and graduates of other institutions who have completed (or have in progress) at least 15 quarter hours of course work in this institution.

All requests by employing officials are referred to the office of Student-Teaching and Placement. Therefore it is imperative that registration in this office be completed promptly if a registrant expects prompt and effective service.

** Graduates with the A.B. degree are especially urged to register.

VI. ACADEMIC REGULATIONS

CLASSIFICATION

Students working toward the completion of a definite curriculum in East Carolina Teachers College will be registered with a definite classification, as Freshman Primary, Senior Grammar Grade, etc. Students taking a limited schedule of study (not more than eight hours) will be classified as special students. Students having fewer than 45 quarter hours of credit are classified as Freshmen; those with 46 to 98 quarter hours are classified as Sophomores; those with 99 to 151 quarter hours are classified as Juniors; and those with 152 quarter hours or more are classified as Seniors.

CREDIT

The College operates on the quarter plan. The fall, winter, spring, and summer quarters are each approximately twelve weeks in length. The College is in session six days a week. Most classes meet three days a week. A quarter hour of credit is earned by one recitation period a week for one quarter; three quarter hours of credit are earned in a class that meets three times a week for a quarter, etc.

Credit will not be allowed on courses taken which substantially duplicate courses already completed.

CLASS ABSENCE REGULATIONS

Regularity of class attendance is expected of all students. Every class absence incurs the loss of some educational value to the student and places an added responsibility on both the student and the instructor. Absences in considerable numbers may lead to a lowering of scholastic standards.

Students are charged with absence from classes missed because of late enrollment.

(1) A student may be permitted no more than two unexcused absences in a course during a quarter.

(2) Additional absences may be approved on application of the student to the Dean of the College. Only illness of the student, serious illness in his immediate family, representation of the College in a recognized activity, or like important matter will be interpreted as an emergency justifying such additional class absence. Application for approval of additional absences must be made within one week after the students return to class. Unexcused absences on the day before or the day after a regular or special holiday will count as "double cuts."

(3) A student shall not receive credit for a course in which the unexcused absences exceed two or the total number of class absences equals 25 per cent of the number of class meetings of that course during the quarter except that juniors, seniors, and graduate students who have a grade average of "2" on all previous college work and who have a satisfactory student government record may have 4 unexcused class absences on courses that carry three hours credit or more.

It is understood that all work missed due to class absence shall be made up to the satisfaction of the instructor.

In case of emergency-absence under regulation (2) the student will fill out an APPLICATION FOR EMERGENCY-ABSENCE form, secure the signature of the instructor or instructors concerned, and return the form to the Dean of the College.

GRADES AND SCHOLARSHIP

A grade-point system is used to calculate all student scholarship standings. The grades 1, 2, 3, 4, 5, and c are used by this College; 1 is the highest grade given, 4 is the lowest passing grade, and 5 is a failing grade. A grade of c indicates a condition on the course because the student has not completed the requirements of the course. No additional classwork shall be required to complete the course.

In quantitative values the grade 1 earns 3 grade points a quarter hour on the course; the grade 2 earns 2 grade

points a quarter hour; and the grade 3 earns 1 grade point a quarter hour. No grade points are given for a grade of 4, and one grade point is deducted from the student's total for each credit hour failed. After the close of each quarter, reports of the standing of all students in all their studies are sent to parents or guardians.

The minimum scholarship requirement is as follows:

- (a) A freshman must pass some work his first quarter. During his second and third quarters, he must pass at least six hours each quarter. Furthermore, a freshman must pass at least 30 hours during his first three quarters.
- (b) During the fourth, fifth, and sixth quarters, a student must pass not less than nine hours each quarter. Moreover, a student who fails to pass a total of 35 hours during this period will be dropped.
- (c) A student will not be enrolled the third or fourth year if he has failed to earn as many quality points as he has hours. Furthermore, third and fourth year students must pass a minimum of 40 hours for each of the two years.

A student who has a shortage of quality points may attend summer sessions of this Institution to make up the deficiency, but such deficiency may not be removed through correspondence or attendance at another college.

The grade point-credit ratio of transfer students will be considered "1" or average for all credit hours accepted toward the completion of the student's curriculum.

No credit will be given for courses that carry the lowest passing grade when submitted on transcript from another college.

REGULATIONS CONCERNING STUDENTS' PROGRAM

All regular students are required to schedule at least 12 quarter hours a quarter.

Courses may be dropped within the first four weeks of the quarter provided such changes are approved by the

teacher whose courses are concerned, by the student's adviser, and by the Registrar. If a course is pursued for four or more weeks after registration and then dropped that course will be reported as failed and so counted in arranging the program of work for the next quarter.

A student may take eighteen hours without restrictions. To be permitted to take nineteen hours a student must have earned at least a three average in his work of the preceding quarter, and have the approval of his adviser. With the approval of his major adviser and the committee on credits, a student who has earned an average of two in his work the preceding quarter may take twenty hours. No departure from the above regulations may be made without the approval of the committee on credits.

All regular students must schedule a minimum of twelve hours a quarter.

A student cannot enter courses later than the beginning of the second week of the quarter and get credit for such courses.

A student may drop courses from his program and take other courses instead, provided such changes are made before the beginning of the second week of the quarter and provided also that such changes are approved by the teachers whose courses are concerned, by the student's adviser, and by the Registrar.

A special student, having a schedule of fewer than nine hours, must receive a passing mark on each subject scheduled in order to be eligible for readmission to the next succeeding quarter of the College.

A substitution for a required course shall be another course in the same department.

A student is not permitted to elect courses whose numbers are more than one classification removed from the student's own classification, except seniors electing courses numbered below 100 will be allowed no more than two-thirds of the credit such courses carry.

Elective courses in any curriculum are decided upon jointly by the student and his major adviser.

The student's major adviser has authority on all curricula matters except minor requirements which are directed jointly by the minor and major advisers.

GENERAL REQUIREMENTS FOR GRADUATION

Any student who receives a degree from East Carolina Teachers College must have done as much as one year (36 weeks) in residence study in this College. The three quarters need not be consecutive, but the last quarter of residence study previous to graduation must be done in this College. He must also meet the curricula requirements of the catalogue under which he enters or of some subsequent catalogue, provided that no student will be permitted to graduate under a catalogue issued more than seven years prior to the date of his graduation.

No person pursuing a teacher-training curriculum will be graduated from the College who has not fully met all the requirements laid down by the State Department of Certification for the Teacher's Certificate to which his curriculum specifically leads.

In order to graduate, all students shall have earned at least as many grade points as they have quarter hours of credit on courses used for graduation, and shall have a general grade average of "3" or better on courses taken in each major field and in each minor field of study. Grades made on courses taken by correspondence, by extension, and in summer schools other than East Carolina Teachers College shall not be considered.

Before receiving a degree from the College or transferring credit to another college a student must satisfy completely the requirements of regular participation in activities courses in Physical Education.

When a student changes from one curriculum to another he shall notify the Registrar in writing, stating the major he is dropping and the one he is taking up. Before he can take a degree in the curriculum to which he has transferred, he must meet all the requirements of that curriculum at the time he changed or at a later

time. A student who changes curriculum must complete three full quarters of work after making the change.

Presence at graduating exercises is required, except when permission for graduation in absentia has been granted by the Registrar. A written request for such a permission must be made at least ten days before commencement.

Application for graduation must be made on a blank provided by the College not later than registration day of the last quarter the student is enrolled in the College. The diploma fee of \$5.00 must accompany the application.

Before a student is granted a diploma he is required to pass a test in spelling. Students majoring in primary and grammar grade work must also pass a proficiency test in handwriting. To pass the spelling requirement the student must make a score equal to or better than the eighth grade norm on each of two standard spelling tests. To pass the handwriting requirements the student must equal or better the quality score of seventy on the Ayer's handwriting scale. Passing scores in these tests constitute a prerequisite to practice teaching. These tests will be offered and students will be required to take them during the first year in residence. Names of those passing the tests will be reported to the Registrar's office on the form regularly used to report class grades.

Upperclassmen whose written work is so poor as to lack clearness and accuracy may be reported by their teachers to the Committee on Standards in Written Composition and assigned to the English Department for remedial work until their advisers and the Committee are satisfied that they no longer need help.

VII. CURRICULA

In order to carry out the aims of the College the following regular curricula of instruction have been arranged and are offered:

- (a) A Four-Year Curriculum leading to the B.S. degree, for those who expect to become Kindergarten and Primary Teachers.
- (b) A Four-Year Curriculum leading to the B.S. degree, for those who expect to become Grammar Grade Teachers.
- (c) A Four-Year Curriculum leading to the B.S. degree, for those who expect to become High School Teachers.
- (d) A Four-Year Curriculum leading to the A.B. degree.
- (e) Graduate work leading to the M.A. degree in the fields of School Administration and Elementary Education, and Secondary Education with a minor in any of the following departments
 - 1. Business Education
 - 2. English
 - 3. Library Science
 - 4. Mathematics
 - 5. Science
 - 6. Social Studies
 - 7. Health and Physical Education

CURRICULA REQUIREMENTS¹

B.S. Degree

A. FOR CANDIDATES PREPARING TO TEACH IN THE
PRIMARY GRADES:

The degree of Bachelor of Science is conferred by the College when a student has received 196 quarter hours credit and has met the following requirements for teaching in the primary grades:

1. 51 Professional Credits:
 Education 1, 200, 206, 207, 208, 308, 318, 322, 339,
 341-2-3-4credit: 39 q.h.
 Psychology 103, 201, 205, 308.....Credit: 12 q.h.
2. 133 General Education Credits: *
 Art Education 15e, 202, 218, 221, 301.....credit: 15 q.h.
 Economics 104credit: 3 q.h.
 English 1, 2, 3, 110, 111, 119, 213, 222.....credit: 24 q.h.
 Geography 10, 110, 330.....credit: 9 q.h.
 Government 1credit: 3 q.h.
 Health and Physical Educ. 1, 105, 244, 245.....credit: 12 q.h.
 Physical Education Service Courses.....credit: 6 q.h.
 History 10, 11, 12, 113, 115, 205.....credit: 18 q.h.
 Mathematics 42, 156, 212.....credit: 9 q.h.
 Music Education 10, 102, 202, 206.....credit: 13 q.h.
 Science 10, 11, 12, 201, 202, 203.....credit: 18 q.h.
 Sociologycredit: 3 q.h.
3. Free Electivescredit: 12 q.h.
- Total.....credit: 196 q.h.

B. FOR CANDIDATES PREPARING TO TEACH IN THE
GRAMMAR GRADES:

1. 42 Professional Credits:
 Education 1, 248, 318, 322, 339, 345-6-7, 358G.....credit: 30 q.h.
 Psychology 103, 201, 205, 308.....credit: 12 q.h.
2. 139 General Education Credits:
 Art Education 15e, 104, 218, 301.....credit: 12 q.h.

¹ Effective with the graduating class of 1948, the curriculum for the Bachelor of Arts degree which has been the professional education curriculum and the curriculum for the Bachelor of Science degree which has been the arts college curriculum degree were reversed. The Bachelor of Science degree is awarded to those students who prepare for teaching and the Bachelor of Arts degree for those who do not pursue the professional education curriculum.

Economics 104	credit: 3 q.h.
English 1, 2, 3, 110, 111, 119, 213 222, 243, 313.....	credit: 30 q.h.
Geography 10, 160, 221, 230	credit: 12 q.h.
Government 1	credit: 3 q.h.
Health and Physical Education 1, 105, 244, 245.....	credit: 12 q.h.
Physical Education Service Courses.....	credit: 6 q.h.
History 10, 11, 12, 113, 115, 205	credit: 18 q.h.
Mathematics 42, 136, 156, 210	credit: 12 q.h.
Music Education 10, 203, 206	credit: 10 q.h.
Science 10, 11, 12, 201, 202, 203.....	credit: 18 q.h.
Sociology elective	credit: 3 q.h.
3. Free Electives	credit: 15 q.h.
Total.....	credit: 196 q.h.

C. FOR CANDIDATES PREPARING TO TEACH IN THE HIGH SCHOOL:

The degree of Bachelor of Science is conferred by the College when the student has received a minimum of 196 quarter hours credit and has met the following requirements:

1. 36 Professional Credits:

Education 1, 223M, 223m, 318, 324M, 325.....	credit: 27 q.h.
Psychology 103, 205, 340.....	credit: 9 q.h.

2. 72 General Education Credits:*

Arts (From Art 218, Music 206 and 3 hours elective)	credit: 9 q.h.
English 1, 2, 3, 119 or 218 and 6 hours elective from the following: 110, 111, 112a, 112b, 112c, 119, 206, 218, 222	credit: 18 q.h.
Health 1, 105.....	credit: 6 q.h.
Mathematics 51, and 52 or 156, and 157 or 6 hours elective from courses listed for Mathe- matics Majors	credit: 6 q.h.
Physical Education Service Courses.....	credit: 6 q.h.
Science 71, 72, 73 or laboratory sequence courses	credit: 9 q.h.
Social Studies:	
History 10, 11, 12.....	credit: 9 q.h.
Government 1	credit: 3 q.h.
Geography 10	credit: 3 q.h.
Sociology 100, or Economics 101, or a course in Regional or Physical Geography*.....	credit: 3 q.h.

* Appropriate credit in General Education may count in the total and specific credit required in the subject fields.

3. Electives: To be decided upon jointly by the student and his major adviser. A student must complete the requirements of one major field and one minor field. One major field or one minor field must be selected from the following: English, Foreign Language, Mathematics, Science and Social Studies. For major in Music Education see course requirements under Course of Instruction, Music Education.
4. Major and Minor Credits.

Requirements in the Major Field

- a. Art Education 15, 116, 118, 119, 203, 207, 208, 209, 223, 225, 226, 230, 301, 304, 306.
- b-1. Business Education 1, 2, 3, 10, 109, 114, 115, 116, 130, 131, 132, 214, 215, 218, 231, 232, 233, 234, 235, 341.
- b-2. Distributive Education Major—Social Studies Minor:
 Business Education 1, 2, 3, 10, 109, 130, 131, 132, 231, 232, 233, 234, 235, 330 or 340, 341, 342, 343, 344, 345.
 Home Economics 8.
 Economics 101, 102, 201, 301, 330.
 Government 1, 201, 305.
 History 10, 11, 12, 113, 114, 115.
 Sociology 100.
- c. English—1, 2, 3, 110, 111, 112a, 112b, 112c, 119 or 218, 206, 213, 216, 222, 314G or 225, 325, 326G or 327G, and 6 hours in senior courses.
- d. Foreign Language—French 1, 2, 3 or 11, 12, 13, 104, 105, 106, 125, 207, 208, 212, 225, 313, 314, 320, 325, or Spanish 1, 2, 3, or 11, 12, 13, 104, 105, 106, 125, 207, 208, 212, 225, 313, 314, 320, 325.
- e. Health and Physical Education:
 Men: H. E. 223, 317, P. E. 17, 101, 102, 103, 114, 127, 202, 203, 204, 210, 211, 213, 302, 306; Science 34, 35, 36, 106, 107, 231.
 Women: H. E. 223, 317, P. E. 17, 101, 102, 103, 108, 127, 201, 202, 203, 204, 210, 212, 302, 306; Science 34, 35, 36, 106, 107, 231.
- f. Home Economics—2, 8, 9, 105, 110, 115, 217, 127, 128, 219, 224, 225, 226, 327, 231, 319, 330. Sociology 305.
- g. Industrial Arts—1, 11, 12, 101, 121, 122, 140, 157, 158, 211, 215, 223, 224, 301, and 6 elective hours from the following:
 Industrial Arts 113, 212, 220, 225, 230, 255, 259, 310, 325, 350.
- h. Mathematics—57, 58, 59, 60, 61, 121, 122, 162, 213, 214, 215, 232, 233 and 6 elective hours in courses numbered above 199.
- i. Music 11a, b, c, 21a, b, c, 106a, b, c, 111a, b, c, 121a, b, c, 205a, b, c, 209, 223c, 282a, b, 311a, b, 312, 313a, b, 9 hours in instruments; 32 hours in applied music.

*Social Studies majors are required to take regional geography.

- j. Science 34, 35, 36, 44, 45, 46, 125, 126, 127, Geography 125, and 14 elective hours from the following: Science 111, 112, 120, 121, 122, 130, 131, 132, 140, 206, 207, 208, 209, 220, 225, 226, 227, 228, 231, 309, 310, 316, 317, 318, 330.

Students majoring and minoring in Science are required to take the following: Science 34, 35, 36, 44, 45, 46, 125, 126, 127; Geography 125; and Mathematics elective 3 quarter hours above that required for general education. They must elect at least three courses from one of the following groups and two from each of the other groups:

Group A. Science 111, 112, 140, 130, 131, 132, 231, 306, 310, 330.

Group B. Science 120, 121, 122, 207, 208, 209.

Group C. Science 225, 226, 227, 228, 316, 317G, 318.

- k. Social Studies—

Economics 101; Government 1, 210; History 10, 11, 12, 113, 114, 115, 216, 208, 209, 221, 325, 326, and 9 hours in senior History courses; Sociology 100

or

Economics 101, 102, 103, 302; Government 1, 210, 202, 302; History 10, 11, 12, 113, 114, 115; Sociology 100, 202, 305, 306

or

Economics 101; Geography 10, 110, 112, 113, 210, 310, 315; Government 1, 210, 302; History 10, 11, 12, 113, 114, 115; Sociology 100.

Requirements in the Minor Field

- a. Art—15E, 116, 118, 119, 120, 215, 218; 220a, 220b, or 220c, 223m, 226, 300, 301, 304, 306, and Home Economics 215, and Industrial Arts 140.
- b. Business Education—1, 2, 3, 114, 115, 130, 131, 132, 214, 215, 218, 231, 232, 234, 235.
- c. English—1, 2, 3, 111, 112a, 112b, 112c, 119 or 218, 213, 216, 222, 325, and 9 hours from 110, 206, 219, 314G, 315, 326G, 327G, 330.
- d. Foreign Language—French 11, 12, 13, 104, 105, 106, 125, 225, 320, 325, and 6 additional hours, or Spanish 11, 12, 13, 104, 105, 106, 125, 225, 320, 325, and 6 additional hours.
- e. Health and Physical Education:
Men: H. E. 223, 317, P. E. 17, 114, 127, 201, 204, 210, 211, 213, 302. Science 34, 35, 36, 106, 107, 231.
Women: H. E. 223, 317, P. E. 17, 108, 127, 201, 202, 203, 204, 212, 302. Science 34, 35, 36, 106, 107, 231.
- f. Industrial Arts 1, 11, 12, 101, 121, 122, 157, 158, 211, 215, 223, 224, 301.
- g. Library Science 201, 202, 203, 218, 220, 222, 303, 322; Education 308 and two of the following: Education 200; English 216, 313.

- h. Mathematics—57, 58, 59, 60, 61, 121, 122, 162, 232, and 9 elective hours in courses numbered above 199.
- i-1. Music Education, General—11a, b, c, 21a, b, c, 106a, b, c, 111a, b, 27 hours in applied music, 9-18 hours in piano and 9-18 hours in voice.
- i-2. Music Education, Instrumental—11a, b, c, 21a, b, c, 106a, b, c, 111a, 32 hours in applied music, 18 hours in the principal instrument and the remainder in other instruments of which piano is recommended as one.
- j. Science 34, 35, 36, 44, 45, 46, 125, 126, 127; Geography 125, and 6 elective hours from the group of electives offered in Science Majors. (With Home Economics as Major.) Science 34, 35, 44, 45, 46, 115, 116, 117, 207, 231, 309, 310, Geography 125.
- k. Social Studies—
Economics 101, 102; Government 1, 210, 302; History 10, 11, 12, 113, 114, 115, and 9 hours in senior courses in History; Sociology 100.

D. SPECIAL EDUCATION

This program is designed to prepare teachers for positions in special education. It is recommended that teachers in this field complete at least 36 quarter hours in special education. These 36 hours should be distributed as follows:

A. Constant Basic Course Requirements: (15-22 quarter hours)

- 1. Introduction to Exceptional Children
- 2. Tests and Measurements in Special Education
- 3. Practice Teaching in Special Education (Specific Area)
- 4. Child Growth and Development
- 5. Mental Hygiene

B. Specific Course Requirements:

I. Hard of Hearing (15-22 quarter hours)

- a. Anatomy and Physiology of Ear and Voice Mechanism
- b. Audiometric Testing and Use of Hearing Aids
- c. Methods and materials in Teaching Lip Reading to Hard of Hearing Children
- d. Methods of Teaching Hard of Hearing Children
- e. Pathology of Hearing

II. Speech Correction (18-27 quarter hours)

- a. Anatomy and Physiology of the Ear and Voice Mechanisms
- b. Problems in the Teaching of Speech Correction
- c. Re-education of the Acoustically Handicapped Children

- d. Principles of Speech Correction
- e. Phonetics
- f. Speech Pathology

III. Mentally Handicapped (12-18 quarter hours)

- a. Problems, Materials and Methods in Teaching Slow-learning Children
- b. Mental Deficiency
- c. Arts and Crafts
- d. Social Treatment of the Feeble-minded

C. Recommended Electives:

Specific required courses in areas other than the special field of certification

Remedial Reading

Clinical or Abnormal Psychology

Education and Vocational Guidance

Child Welfare

Psychology of Exceptional Children

Social Psychology

Child or Adolescent Psychology

D. Additional Qualifications:

- I. One or more years experience teaching normal children
- II. Personal characteristics suitable for teaching exceptional children.

E. REQUIREMENTS FOR THE A.B. DEGREE:

The number of required credits in quarter hours for a major shall not be less than 45 nor more than 54. The credit hours required of each student, within the above limits, and the subjects to be taken by each student in the minor department shall be determined solely by the director of that department.

The number of required credits in quarter hours for a minor shall not be less than 36 nor more than 45. The credit hours required of each student, within the above limits, and the subjects to be taken by each student in the minor department shall be determined solely by the director of that department.

Courses offered by the Department of Education and Psychology, except Education 1 and Psychology 103, will not be credited, either as required or as elective courses, toward the requirements for the A.B. degree. Also courses

designated as methods, student teaching, teaching apprenticeship; or courses designated for Grammar Grade and Primary majors only will not be credited toward the requirements for the A.B. degree.

The Degree of Bachelor of Arts is conferred by the College when the student has received a minimum of 196 quarter hours credit, and has met the following requirements:

1. 105 General Education Credits:*

Arts (Art 218, Music 206, and 3 hours elective).....	credit: 9 q.h.
Education 1	credit: 3 q.h.
English 1, 2, 3, 119 or 218, and three sophomore survey courses	credit: 21 q.h.
Foreign Language	credit: 9 q.h.
Geography 10 and one course in Regional Geography	credit: 6 q.h.
Health 1, Physical Education 6 hours.....	credit: 9 q.h.
*Mathematics 57, 58, 60 or 61.....	credit: 6 q.h.
Physical Education Service Courses.....	credit: 6 q.h.
Psychology 103	credit: 3 q.h.
Science—sequence courses in Chemistry, Biology, or Physics	credit: 12 q.h.
Social Studies	credit: 21 q.h.
Economics 101	
Government 1	
History 10, 11, 12, or 113, 114, 115 and 205.	
Sociology 100.	

Note: These courses except Art 218 and Music 206 must be completed in the freshman and sophomore years, unless major or minor requirements provide other subjects in these departments.

2. Electives: To be decided upon jointly by the student and his major adviser. Any major adviser may specify in these general elective credits additional courses not to exceed 12 quarter hours, but such additional credits shall not be in the major field. (See Requirements in the Major Field.) A student must complete the requirements in one major field and one minor field.

3. Major and Minor Credits:

Requirements in the Major Field

a. Business Education—

Accounting—1, 2, 3, 10, 107, 108a, 109, 130, 131, 132, 231, 232, 233, 234, 235, 330, 334, 340, 341. 6 hours elective from 236, 237, 342, 343, 344.

* Appropriate credit in General Education may count in the total and specific credit required in the subject fields.

- Secretarial—1, 2, 3, 10, 104, 106, 107, 108a, 109, 114, 115, 116, 130, 131, 132, 214, 215, 218, 231, 232, 341, elective 3 hours.
- b. English—1, 2, 3, 110, 111, 112a, 112b, 112c, 119 or 218, 213, 219, 222, 314G, 319G, 325, 326G or 327G, and 6 additional hours.
- c. Foreign Languages—French 1, 2, 3, or 11, 12, 13; 104, 105, 106, 125, 207, 208, 225, or 325; 313, 314, 320, and 6 additional hours. (English 119 or 218, English 219, Government 202 or 310, Sociology 204 or Business Education 231, Spanish 101, 102, 103, or the equivalent, and the following in accordance with General Education requirements: Art 218, Geography 112, History 113, 114, 115, 216, and Music 206.)
- or
- Spanish 1, 2, 3, or 11, 12, 13; 104, 105, 106, 125, 207, 208, 225, or 325; 313, 314, 320, and 6 additional hours. (English 119 or 218, English 219, French 101, 102, 103 or the equivalent, Government 202 or 310, History 317, Sociology 204 and the following from General Education requirements: Art 218, Geography 210, History 113, 114, 115, 216, and Music 206.)
- d. Geography—10, 11, 12, 110, 112, 113, 125, 210, 211, 212, 215, 310, and 9 additional hours.
(Economics 101, 105; History 208 or 209.)
- e. Health and Physical Education—
H. E. 225, 317. P. E. 17, 101, 102, 103, 127, 201, 202, 204, 210, 211(M), 212(W), 213(M), 302, 306. Science 34, 35, 36, 106, 107, 231.
- f. Home Economics—2, 8, 9, 105, 110, 117, 126, 127, 215, 219, 224, 225, 226, 227, 230, 231, 319. (History 05; Sociology 305; Art 120; Math 57); Prerequisites, (Science 34, 35, 44, 45, 46, 115, 207, 231, 309.)
- g. Industrial Arts: 1, 11, 12, 101, 121, 122, 140, 157, 158, 211, 215, 259, 301 and 6 elective hours from the following: Industrial Arts 113, 212, 220, 230, 255, 310, 325.
- h. Mathematics—57, 58, 59, 60, 61, 121, 122, 162, 213, 214, 215, and 12 additional hours in courses numbered above 199 (12 elective hours from the following: Ind. Arts, 11, 12; English 218, 222; Geography 12; History 208, 209; Home Economics 117, 226; Science 44, 45, 46, 125, 126, 127.)
- i. Music 11a, b, c, 21a, b, c, 106a, b, c, 111a, b, c, 205a, b, c, 311a, b, 312 applied music principal performing medium 9 hours, and applied music secondary performing medium 3 hours.
- j. Science—34, 35, 36, 44, 45, 46, 125, 126, 127, and 18 additional hours. (Mathematics 57, 60).

- k. Social Studies—History 10, 11, 12, 113, 114, 115, 216, 208, 209, 218, 219, 299, 325, 326, and 12 hours in senior History courses. (Geography 110, 210; English 218, 222.)

or

Economics 101, 102, 103; Government 1, 201, 202; History 10, 11, 12; Sociology 100, 202, 203; and 18 hours in senior courses in Economics, Government, History, or Sociology. (English 218, 222; Geography 110, 210.)

Requirements in the Minor Field

- a. Art—15, 116, 118, 119, 120, 208, 218, 224, 225, 300; Industrial Art 140.
- b. Business Education—
Accounting—1, 2, 3, 10, 107, 108a, 109, 130, 131, 132, 231, 232, 233, 234, 235, 236, 237, 340.
or
Secretarial—1, 2, 3, 10, 104, 106, 107, 108a, 109, 114, 115, 116, 130, 131, 132, 214, 215, 218, 231.
- c. English—1, 2, 3, 110, 111, 112a, 112b, 112c, 119 or 218, 219, 213, 222, 325, and 6 additional hours.
- d. Foreign Language—French 11, 12, 13, 104, 105, 106, 125, 225, 320, 325, and 6 additional hours; or Spanish 11, 12, 13, 104, 105, 106, 125, 225, 320, 325, and 6 additional hours.
- e. Geography 10, 11 or 125, 12, 110, 112, 113, 210, 211 or 215, 212, 310 and 6 additional hours.
- f. Health and Physical Education—
H. E. 225, 317, P. E. 17, 127, 201, 202, 203. Science 34, 35, 36, 106, 107, 231, and 6 additional hours.
- g. Industrial Arts: 1, 11, 12, 101, 121, 122, 157, 158, 211, 215, 301 and three elective hours from the following: Industrial Arts 113, 212, 220, 230, 255, 259, 310, 325.
- h. Mathematics—57, 58, 59, 60, 61, 121, 122, 162, and 12 additional hours in courses numbered above 199.
- i. Music—11a, b, c, 21a, b, c, 106a, b, c, 111a, b, c, 205a, b, c, 311a, b, 312, applied music principal performing medium 9 hours and applied music secondary performing medium 3 hours.
- j. Science—34, 35, 36, 44, 45, 46, 125, 126, 127.
- k. Social Studies—History 10, 11, 12, 113, 114, 115, 116, 218, 219, 325, 326, and 12 hours in senior History courses.
or
Economics 101, 102, 103; Government 1, 202, 210; History 10, 11, 12; Sociology 100, 202, 203, and 9 hours in senior courses in Social Studies.

GRADUATE INSTRUCTION

1. Purpose: The primary function of East Carolina Teachers College is to prepare teachers and school administrators for all types of public-school work. As the state certification requirements for teachers and administrators advance, this College extends its curricula to prepare its students to meet the new requirements. Graduate instruction is intended to provide an advanced program of study for North Carolina teachers and school administrators and to enable them to meet the requirements for the graduate certificates issued by the State Department of Public Instruction.

2. Administration. The administration and direction of graduate instruction is in charge of the Committee for the M.A. Degree and the Dean of Instruction.

3. Admission to Graduate Instruction. Application for admission to graduate instruction must be made to the Dean of Instruction. Blanks for this purpose may be secured from the Registrar's office.

To be admitted to graduate instruction, an applicant must hold a Bachelor's degree from this College or from some other institution of equal rank or lack not more than six quarter hours of work to complete the resident requirements for the Bachelor's degree, provided he is recommended for graduate standing by the director of his major department. He must also have met the undergraduate requirements for his major and minor fields and made not less than an average grade of "3" in all his undergraduate work.

If the undergraduate work of an applicant does not show the completion of at least fifteen quarter hours in English, nine of which shall be Composition, and twenty-four quarter hours in a combination of Education and Psychology, such deficiencies shall be made up before the Master's degree will be conferred.

Admission to graduate study is not equivalent to admission to candidacy for the degree of Master of Arts.

4. Transcripts. Graduate from other institutions must present an official transcript of all college work completed. This transcript should be filed with the Registrar of the College before the first enrollment.

5. General Information. Each graduate student should choose a major field and consult the director of that department with reference to the work to be done in that department.

Courses numbered 300-399 followed by letter G indicate Senior-graduate courses and are open to seniors and graduate students only.

Courses numbered 400 or above are open to graduate students only.

6. Marks. Credit is given for graduate instruction only for marks "1," "2," and "3".

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

1. At least one academic year must be spent on the campus of East Carolina Teachers College. The academic year must consist of three full quarters or a minimum of thirty-three weeks done within five consecutive years. All course requirements must also be completed within five consecutive years. A minimum of twelve quarter hours completed on the campus may be counted as a quarter's work, except that each student must carry a minimum load of twelve quarter hours at least one quarter.

A maximum of nine quarter hours in any curriculum leading to the Master's degree may be taken in off-campus extension work given by East Carolina Teachers College.

A graduate student who has received his Baccalaureate degree from East Carolina Teachers College may earn a maximum of nine quarter hours in another institution having equal standards of graduate work, except that the maximum is reduced by the number of quarter hours the student has earned in off-campus extension courses

at East Carolina Teachers College. For example, a student who has graduate credit for three quarter hours in extension work may not count more than six quarter hours of graduate work in another institution. Work done in another institution must be approved by the student's major adviser before the work is started. Except as stated in this regulation, graduate work may not be transferred from any other institution for credit toward the Master's degree. Equivalent graduate credit may be transferred to East Carolina Teachers College for the purpose of satisfying a specific curriculum requirement and thereby permitting the substitution of an elective course.

2. Admission to Candidacy. Each student must make application to the Chairman of the Committee for the M.A. degree for admission to candidacy. A graduate student will not be admitted to candidacy for the Master's degree until he has completed satisfactorily at least six quarter hours, one half of which must be in the candidate's major field. A graduate student must be approved for candidacy for the Master's degree before he is permitted to continue graduate study beyond 15 quarter hours.

3. No more than fifteen quarter hours of work may be taken in any one quarter. Not more than nine hours may be taken in any one summer term.

4. Not more than fifty per cent of the student's graduate credit may be taken in Senior-graduate courses.

5. Course Requirements. At least forty-five quarter hours of graduate work must be completed with no grade below a "3". An average of at least "2" is required. The work may be done under any one of the following plans. Not fewer than six quarter hours may be elected in any field.

Plan A: Administration Major in Education

Plan B: Elementary Education Major

Plan C: Secondary Education Major with minor in any one of the following departments:

1. Business Education
2. English
3. Library Science
4. Mathematics
5. Science
6. Social Studies
7. Health and Physical Education

REQUIREMENTS FOR M.A. DEGREE

Plan A: Administration Major in Education

A. Required courses:

q.h.c

Education 406 (formerly Adm. 405).....	3
Education 409 (formerly Adm. 409).....	3
Education 424* (formerly Adm. 424).....	3
or	
Education 425* (formerly Adm. 422).....	3
Education 428 (formerly Adm. 428).....	3
Education 480	3
Education 481	3
	18

B. Candidates must elect 6 quarter hours from the following:

Education 358G**	3
Education 360G (formerly Adm. 360G).....	3
Education 400*** (formerly Adm. 400a-b).....	3
Education 404 (formerly Adm. 404).....	3
Education 407**** (formerly Adm. 407).....	3
Education 408**** (formerly Adm. 408).....	3
Education 410 (formerly Adm. 433).....	3
Education 411 (formerly Adm. 482).....	3
Education 424* (formerly Adm. 424).....	3
Education 425* (formerly Adm. 422).....	3
Education 429 (formerly Adm. 484).....	3
Education 434 (formerly Adm. 434).....	3
	6

*Either 422 or 424 is required for principal's certificate. Either may be taken as an elective.

**Education 358G is required unless taken as an undergraduate.

***Candidates who elect to write a thesis are required to take 6 quarter hours of seminar.

****Candidates for the superintendent's certificate are required to take 407 and 408 listed under section B and to have a total of 27 hours in administration.

C. Candidates must elect 21 quarter hours from any graduate courses offered in the following departments: (Not fewer than six quarter hours may be taken in any field elected.)

1. Business Education
2. Education
3. English
4. Geography
5. Library Science
6. Mathematics
7. Physical Education
8. Psychology
9. Science
10. Social Studies
11. or other areas

REQUIREMENTS FOR M.A. DEGREE

Plan B: Elementary Education

A. Candidates must elect 21 quarter hours from the following: *q.h.c*

Education 358G*	3
Education 360G (formerly Adm. 360G)	3
Education 361G	3
Education 362G	3
Education 363G	3
Education 405	3
Education 406 (formerly Adm. 405)	3
Education 408 (formerly Adm. 408)	3
Education 412	3
Education 416	3
Education 417a-b-c	3
Education 420	3
Education 422	3
Education 423	3
Education 425 (formerly Adm. 422)	3
Education 430	3
Education 434 (formerly Adm. 434)	3
Education 480*	3
Education 481*	3
Psychology 401	3
Psychology 415	3
Psychology 420	3
Psychology 421	3
Psychology 440	3
Psychology 450	3

B. Candidates must elect 24 quarter hours from any graduate courses offered in the following departments: (Not fewer than six quarter hours may be taken in any field elected.)

1. Business Education
2. Education
3. English
4. Geography
5. Mathematics
6. Psychology
7. Science
8. Social Studies
9. or other areas

REQUIREMENTS FOR M.A. DEGREE

Plan C: Secondary Education

A. Candidates must elect 12 quarter hours from the following: *q.h.c*

Education 358G*	3
Education 420	3
Education 422	3
Education 480*	3
Education 481*	3
Psychology 415	3
Psychology 420	3
Psychology 421	3
Psychology 440	3
Psychology 450	3

12

B. Candidates must elect 9 quarter hours in Education or Administration from the following:

Education 423	3
Education 430	3
Education 360G (formerly Adm. 360G)	3
Education 406 (formerly Adm. 405)	3
Education 407 (formerly Adm. 407)	3
Education 409 (formerly Adm. 409)	3
Education 424 (formerly Adm. 424)	3
Education 428 (formerly Adm. 428)	3
Education 433 (formerly Adm. 433)	3
Education 434 (formerly Adm. 434)	3

9

* Required of all graduate students.

C. Candidates must elect 18 quarter hours from any *one* of the following departments:

1. Business Education
2. English
3. Library Science
4. Mathematics
5. Science
6. Social Studies

18

39

D. Candidates must elect 6 quarter hours from graduate courses offered in one of the following departments:

1. Business Education
2. Education
3. English
4. Geography
5. Library Science
6. Mathematics
7. Physical Education
8. Psychology

6. Thesis. If a thesis is written it must show the result of an investigation of some educational problem related to the major field. The subject of the thesis must be approved by the director of the major department and the Graduate Committee at least two quarters before the degree is conferred. The thesis must be approved by the director of the major department and by the Graduate Committee at least two weeks before the degree is conferred. One bound typewritten copy of the thesis must be filed with the librarian of the College and one copy must be filed with the director of the major department before the degree is conferred.

No credit will be given for the seminar until after the thesis has been accepted.

7. Teaching Ability. Each student must satisfy the Graduate Committee as to his ability to teach. This may be done in either of two ways: (a) successful teaching experience, or (b) successful student teaching.

8. All candidates for the degree of Master of Arts must hold a class A certificate or satisfy that requirement before the degree is awarded.

PRE-PROFESSIONAL COURSES OFFERED

Students desiring to enter certain professional fields other than education will be able to take at East Carolina Teachers College one to three years of work preparatory to entering colleges giving full curricula in those fields. The work indicated below is offered.

PRE-DENTAL CURRICULUM

Freshman Year

<i>Courses</i>	<i>Terms and Quarter Hours Credit</i>			
	Fall	Winter	Spring	Total
American History (Hist. 10, 11, 12)	3	3	3	9
Biology (Sci. 34, 35, 36)	4	4	4	12
College Algebra (Math. 69)		3		3
Education 1	3			3
English Composition (Eng. 1, 2, 3,)	3	3	3	9
General Chemistry (Sci. 44, 45, 46)	4	4	4	12
Plane Trigonometry (Math. 57)			3	3
Total Quarter Hours.....	17	17	17	51

Sophomore Year

<i>Courses</i>	<i>Terms and Quarter Hours Credit</i>			
	Fall	Winter	Spring	Total
American Literature (Eng. 110, 111)	3	3		6
General Psychology (Psy. 103)			3	3
American Government (Gov. 1)			3	3
Organic Chemistry (Sci. 207, 208, 209)	4	4	4	12
Physical Education	1	1		2
Physics (Sci. 125, 126, 127)	4	4	4	12
The Earth and Man (Geog. 10)			3	3
Zoology (Sci. 111, 112)	4	4		8
Total Quarter Hours.....	16	16	17	49

PRE-ENGINEERING CURRICULUM

Freshman Year

<i>Courses</i>	<i>Terms and Quarter Hours Credit</i>			
	Fall	Winter	Spring	Total
College Algebra (Math. 60, 61)	3		3	6
Descriptive Geometry (Ind. Arts 20)			3	3
Education 1	3			3
Engineering Drawing (Ind. Arts 11, 12)	3	3		6
English Composition (Eng. 1, 2, 3)	3	3	3	9
General Chemistry (Sci. 44, 45, 46)	4	4	4	12
Physical Education		1	1	2
Plane Analytic Geometry (Math. 121, 122)		3	3	6
Plane Trigonometry (Math. 57, 58)	3	3		6
Total Quarter Hours	19	17	17	53

Note: Six quarter hours in American History and three in Solid Geometry are required either in high school or college.

High School Admission Units:

Algebra	1½	units
English	4	units
History	1	unit
Plane Geometry	1	unit
Science	1	unit
Solid Geometry	½	unit
Electives	7	units
Total	16	units

PRE-LABORATORY TECHNICIAN

Freshman Year

<i>Courses</i>	<i>Terms and Quarter Hours Credit</i>			
	Fall	Winter	Spring	Total
American Government (Gov. 1)			3	3
Biology (Sci. 34, 35, 36)	4	4	4	12
College Algebra (Math. 60)		3		3

Education 1	3			3
English Composition				
(Eng. 1, 2, 3)	3	3	3	9
General Chemistry				
(Sci. 44, 45, 46)	4	4	4	12
Physical Education			1	1
Plane Trigonometry				
(Math. 57)	3			3
The Earth and Man				
(Geog. 10)		3		3
	—	—	—	—
Total Quarter Hours	17	17	15	49

Sophomore Year

<i>Courses</i>	<i>Terms and Quarter Hours Credit</i>			
	Fall	Winter	Spring	Total
Gravimetric Analysis				
(Sci. 122)			4	4
Qualitative Analysis				
(Sci. 120)	4			4
Volumetric Analysis				
(Sci. 121)		4		4
Zoology				
(Sci. 111, 112)	4	4		8
Electives	8	8	12	28
	—	—	—	—
Total Quarter Hours	16	16	16	48

Note: General Physics, Organic Chemistry and Bacteriology are highly recommended.

PRE-LEGAL CURRICULUM**Freshman Year**

<i>Courses</i>	<i>Terms and Quarter Hours Credit</i>			
	Fall	Winter	Spring	Total
American History				
(Hist. 10, 11, 12)	3	3	3	9
Biology				
(Sci. 34, 35, 36)	4	4	4	12
Education 1	3			3
English Composition				
(Eng. 1, 2, 3)	3	3	3	9
Foreign Language (Fr. or				
Sp. 1, 2, 3 or 11, 12, 13)	3	3	3	9
Health Education				
(H. Ed. 1)		3		3

CURRICULA REQUIREMENTS

83

Physical Education	1	1	1	3
The Earth and Man (Geog. 10)	—	—	3	3
Total Quarter Hours	17	17	17	51

Sophomore Year

<i>Courses</i>	<i>Terms and Quarter Hours Credit</i>			
	Fall	Winter	Spring	Total
American Government (Gov. 1)			3	3
American Literature (Eng. 110, 111)	3	3		6
Ancient History (Hist. 113)	3			3
College Algebra (Math. 60, 61)	3	3		6
Foreign Language (Fr. or Sp. 104, 105, 106)	3	3	3	9
Introduction to Economics (Eco. 101, 102, 103)	3	3	3	9
Introduction to Sociology (Soc. 100)			3	3
Medieval History (Hist. 114)		3		3
Modern European History (Hist. 115)			3	3
Physical Education	1	1	1	3
Total Quarter Hours	16	16	16	48

Junior Year

<i>Courses</i>	<i>Terms and Quarter Hours Credit</i>			
	Fall	Winter	Spring	Total
Comparative Government (Gov. 202)	3			3
English History (Hist. 218, 219)		3	3	6
English Literature (Eng. 112a, b, c)	3	3	3	9
General Psychology (Psy. 103)		3		3
Geography of North America (Geog. 110)		3		3
Modern European History (Hist. 216)	3			3

North Carolina Government				
(Gov. 302)			3	3
Oral English				
— (Eng. 218)			3	3
Physical Education	1	1	1	3
Elective	6	3	3	12
—	—	—	—	—
Total Quarter Hours.....	16	16	16	48

Note: It is strongly urged that pre-legal students complete the requirements for a bachelors degree before attempting to enter law school.

PRE-MEDICAL CURRICULUM

Freshman Year

<i>Courses</i>	<i>Terms and Quarter Hours Credit</i>			
	Fall	Winter	Spring	Total
American Government				
(Gov. 1)			3	3
Biology				
(Sci. 34, 35, 36).....	4	4	4	12
College Algebra				
(Math. 60, 61).....	3	3		6
Education 1	3			3
English Composition				
(Eng. 1, 2, 3).....	3	3	3	9
General Chemistry				
(Sci. 44, 45, 46).....	4	4	4	12
The Earth and Man				
(Geog. 10)		3		3
Trigonometry				
(Math. 57)			3	3
—	—	—	—	—
Total Quarter Hours.....	17	17	17	51

Sophomore Year

<i>Courses</i>	<i>Terms and Quarter Hours Credit</i>			
	Fall	Winter	Spring	Total
American History				
(Hist. 10, 11, 12).....	3	3	3	9
French (Fr. 1, 2, 3).....	3	3	3	9
Gravimetric Analysis				
(Sci. 122)			4	4
Physical Education		1	1	2
Physics				
(Sci. 125, 126, 127).....	4	4	4	12
Qualitative Analysis				
(Sci. 120)	4			4

Volumetric Analysis				
(Sci. 121)	4			4
Health Education				
(H. Ed. 1)	3			3
	<hr/>	<hr/>	<hr/>	<hr/>
Total Quarter Hours	17	15	15	47

Junior Year

<i>Courses</i>	<i>Terms and Quarter Hours Credit</i>			
	Fall	Winter	Spring	Total
American Literature				
(Eng. 110)	3			3
General Psychology				
(Psy. 103)	3			3
Organic Chemistry				
(Sci. 207, 208, 209)	4	4	4	12
Physical Education	1	1	1	3
Physical Geography				
(Geog. 125)			3	3
School and Community				
Hygiene (H. Ed. 105)			3	3
English Literature				
(Eng. 111)		3		3
Zoology				
(Sci. 111, 112)	4	4		8
Electives		3	6	9
	<hr/>	<hr/>	<hr/>	<hr/>
Total Quarter Hours	15	15	17	47

PRE-NURSING CURRICULUM**Freshman Year**

<i>Courses</i>	<i>Terms and Quarter Hours Credit</i>			
	Fall	Winter	Spring	Total
American History				
(Hist. 10, 11, 12)	3	3	3	9
Biology				
(Sci. 34, 35, 36)	4	4	4	12
College Algebra				
(Math. 60)			3	3
English Composition				
(Eng. 1, 2, 3)	3	3	3	9
General Chemistry				
(Sci. 44, 45, 46))	4	4	4	12
Education 1	3			3
Social and Economic				
Mathematics (Math. 51)		3		3
	<hr/>	<hr/>	<hr/>	<hr/>
Total Quarter Hours	17	17	17	51

VIII. COURSES OF INSTRUCTION

Significance of course numbers:

For freshmen 1 to 99, sophomores 100 to 199, juniors 200 to 299, seniors 300 to 399, graduate students 400 to 499.

The letter G following course numbers indicates Senior-Graduate courses.

ART

Miss Cirlot, Mr. Neel

ART EDUCATION

202. Art Education in the Primary Grades.

One lecture, four studio hours a week. Credit: three quarter hours.

Manuscript writing, bookbinding, creative expression in a variety of media, and picture study. Required of majors in primary education.

204. Art Education in the Grammar Grades.

One lecture, four studio hours a week. Credit: three quarter hours.

Skills and techniques in a variety of media. Childrens needs, interests, and activities are studied as a fundamental background for procedures.

Required of majors in grammar grade education.

219. Introductory Course to Art Activities for the Exceptional Student.

Six studio hours a week. Credit: three quarter hours.

Weaving, basketry, and clay modeling.

221. Art Education in the Primary Grades.

One lecture, four studio hours a week. Credit: three quarter hours.

This course is a continuation of Art Education 102. Water colors, clay, finger paint are used. Craft problems for primary grades.

Required of majors in primary education.

Art 223m. Methods of Teaching Art in the High School.

One lecture, four studio hours a week. Credit: three quarter hours.

Materials and methods for the teaching of art in the Junior and Senior High School. Evaluation of the course of study. Problems in techniques.

301. Art in the Integrated Program.

One lecture, four studio hours a week. Credit: three quarter hours.

The underlying philosophy of art in the integrated school program. Technique in school murals, block printing, stenciling, puppetry, and (puppet stage craft). Observation of the elementary art program in progress. Required of majors in primary and grammar grade education.

DESIGN

15. Art Structure: Color and Design I.

One lecture, four studio hours a week. Credit: three quarter hours.

A basic course in the field of design. Underlying principles of good design and color relationships are studied. Appreciation through observation and analysis, and experience in creative problems.

Require of majors in Art and in Home Economics.

15e. Art Structure: Color and Design I.

One lecture, four studio hours a week. Credit: three quarter hours.

A basic course in the field of design. Underlying principles of good design are studied. Appreciation through observation and analysis. Experience in creative problems, with emphasis directed to the needs of elementary teachers. Required of majors in primary and grammar grade education.

116. Art Structure: Color and Design II.

One lecture, four studio hours a week. Credit: three quarter hours.

Continuation of Art 15 with emphasis on color.

Opportunity for creative expression stressing the relationship between material, function, and design.

Required of majors in Art and Home Economics.

120. Design for Posters and Display Material.

Six studio hours a week. Credit: three quarter hours.

The application of lettering, design and color principles to advertising, posters, and display materials.

A study of typography and methods of reproduction in commercial art.

Problems include labels, signs, illustrations, bookplates, cartoons and posters.

203. Weaving and Basketry.

Six studio hours a week. Credit: three quarter hours.

Emphasis on design and techniques.

208. Crafts.

Six studio hours a week. Credit: three quarter hours.

Application of principles of design to various crafts. Clay, paper machi, silk screening textiles, leather, plastics, metal, weaving. Student may choose his project.

209. Jewelry.

Six studio hours a week. Credit: three quarter hours.

Emphasis on design in copper and silver.

224. Advanced Design.

One lecture, four studio hours a week. Credit: three quarter hours.

Application of the elements of art structure to various fields of design. Opportunity is given for creative work in block-printing, stenciling and painting. Analysis of design in textiles, plastics and ceramics.

309. Stage Craft.

Six studio hours a week. Credit: three quarter hours.

Emphasis on design, materials, and techniques related to design for the theater. Problems in elevations and model sets will be planned and executed.

DRAWING AND PAINTING

119. Drawing.

Six studio hours a week. Credit: three quarter hours.

Fundamental principles of drawing and composition, perspective studies, contour drawing, studio and outdoor problems.

Media: pencil, charcoal, and wash.

207. Graphic Arts.

Six studio hours a week. Credit: three quarter hours.

Sketching from life. Creative problems of the techniques of etching, dry-paint, lithography, and printing.

225. Painting.

Six studio hours a week. Credit: three quarter hours.
A study of composition through line, value, color, texture, and space.

226. Figure Drawing.

Six hours a week. Credit: three quarter hours.
Quick action sketches and finished renderings of the model, leading to the ability to draw the figure in positions of rest or action, from the model and from memory. Media: Charcoal, pencil, conte crayon and pastels.

230. Free Expression.

Five hours a week. Credit: four quarter hours.
This course provides opportunities and experimentation with various art media such as water-color, oil, mobile sculpture, clay (glazing and slipware), silk screen printing, jewelry in silver and copper, graphic art (etching and dry points), as a basis of growth in creative self-expression. Basic principles of composition are studied in relation to design, elements of line, dark and light, color, movement and texture.

300. Oil Painting.

Six studio hours a week. Credit: three quarter hours.
Still life, landscape and fundamentals of portraiture.
Studio and out door problems.
Prerequisite: Art 225 or 15.

CERAMICS AND SCULPTURE**304. Clay Modeling.**

Six studio hours a week. Credit: three quarter hours.
Principles of achieving form in the round and relief. Modeling in clay with instructions in building armatures, and plaster casting. Pottery (coil and wheel method), glazing and slip ware.

306. Sculpture.

One lecture, four studio hours a week. Credit: three quarter hours.
Modeling in clay from the figure. Terra cotta, wood, marble. Making piece molds, casting, and bronzing.

ART HISTORY

118. Art Survey: Architecture and Sculpture.

Three hours a week. Credit: three quarter hours.

A survey of Egyptian, Greek, Early Christian and Byzantine, Romanesque, Gothic, and Renaissance architecture and sculpture.

130. Pan-American Art.

One hour per week. Credit: one quarter hour.

The art of Mexico, Central America and Peru, with emphasis on pre-Columbian art, the Spanish influence, and contemporary Mexican painting.

218. Art Appreciation.

Three hours a week. Credit: three quarter hours.

A brief survey course in painting, sculpture, architecture, and the minor arts, and their influence on contemporary American art.

220. Art of the United States.

Three hours a week. Credit: three quarter hours.

The development of painting, sculpture, architecture and the minor arts through the eighteenth century.

Offered alternate years.

BUSINESS

Mr. Browning, Mr. Cameron, Miss Dempsey, Miss Ellis

Mr. Howell, Mrs. Wilkerson, Mr. White

SECRETARIAL SCIENCE

1. Typewriting.

Five hours a week. Credit: two quarter hours.

Required of all business education majors.

Drills are used to develop facility, accuracy, and the complete mastery of the keyboard in the shortest possible time. Instruction in letter writing, centering problems, and manuscript typing. A speed of twenty-five words a minute is required for credit in this course.

Students who have had one year of typewriting in high school will not receive credit for this course.

2. Typewriting.

Three hours a week. Credit: two quarter hours.

Required of all business education majors.

A continuation of Business Education 1. Drills to improve accuracy and speed. Advanced letter writing and other business forms.

A speed of thirty-five words a minute is required for credit in this course.

Students who have had one year or more of high school typewriting must begin their college typewriting with this course.

Prerequisite: B. E. 1, or equivalent.

3. Typewriting.

Three hours a week. Credit: two quarter hours.

Required of all business education majors.

The aim of this course is to teach the most advanced business forms and to develop the highest speed possible for each individual student.

A speed of forty-five words a minute is required for credit in this course.

Prerequisite: B. E. 2 or equivalent.

104. Advanced Typing Drill.

Three hours a week. Credit: two quarter hours.

Advanced drill practice which will aid the student in acquiring both accuracy and speed. A speed of fifty-five words a minute is required for credit in this course.

Prerequisite: B. E. 3 or equivalent.

106. Office Machines: Adding—Listing Machine.

Two hours a week. Credit: one quarter hour.

Enrollment is limited to two students to each available machine.

Business education majors are given preference.

The student is required to do twenty lessons on either the full-keyboard machine or the ten-key machine.

107. Office Machines: Crank-Driven Calculator.

Two hours a week. Credit: one quarter hour.

Enrollment is limited to the number of available machines. Required of all business education majors who are candidates for the A.B. degree. Business education majors are given preference.

Lessons 1 through 15 in the crank-driven calculator manual are required for credit in this course.

108a.b.c. Office Machines: Key-Driven Calculator.

Two hours a week each. Credit: one quarter hour each. Enrollment is limited to the number of available machines. Business Education majors are given preference. Required of all business education majors who are candidates for the A.B. degree. Twenty lessons in the key-driven calculator manual are required for credit in each course.

109. Office Machines: Duplicating Machines.

Two hours a week. Credit: one quarter hour.
Prerequisite: Business Education 3 or equivalent.
Instruction in the use of the Mimeograph, the Mimeoscope, and the Standard duplicator.
All the job done for credit in this course must be approved by the instructor before the work is begun.
Required of all Business Education majors.

114. Shorthand.

Fall quarter. Five hours a week. Credit: three quarter hours.
Mastery of Part I of the Functional Method of Gregg Manual with attention given to developing reading and writing skills. Students whose high school transcripts show credit for one year of shorthand must have special permission in order to receive credit for this course.

115. Shorthand.

Winter quarter. Five hours a week. Credit: three quarter hours.
Mastery of Part II, Functional Method Gregg Manual.
The development of skill in taking new matter dictation is stressed. Students whose high school transcripts show credit for two years of shorthand must have special permission in order to receive credit for this course.
Prerequisite: Business Education 1 and 114.

116. Shorthand.

Spring quarter. Five hours a week. Credit: three quarter hours.
A review and completion of the principles of the Gregg Manual. Introduction to transcription at the typewriter. A speed of sixty words a minute is required for credit in this course.
Prerequisite: Business Education 2 and 115.

120. Introduction to Transcription.

Three hours a week. Credit: three quarter hours.

A study and review of the principles of punctuation, capitalization, grammar, syllabication, and sentence structure with reference to their application in the transcription of shorthand. Students are advised to enroll in this course the same quarter they are enrolled in Business Education 116.

Prerequisite: B. E. 115 and B. E. 2.

214. Secretarial Science.

Fall quarter. Five hours a week. Credit: three quarter hours.

Dictation course. Intensive practice in reading and dictation, with emphasis on transcription. Instruction in secretarial practice. A speed of eighty words a minute is required for credit in this course.

Three additional hours a week required at the typewriter. Prerequisites: Business Education 3, 116 or equivalent, English 1, 2, 3, 222.

215. Secretarial Science.

Winter quarter. Five hours a week. Credit: three quarter hours.

Dictation course. A continuation of Business Education 214. A speed of 100 words a minute is required for credit in this course.

Three additional hours a week required at the typewriter. Prerequisites: Business Education 3 and 214.

218. Office Management.

Spring quarter. Three hours a week. Credit: three quarter hours.

This course is designed to train students to be able to meet the situations which will confront them when they enter a modern business office. The course includes an introduction to the use of dictation and transcribing machines and instruction in filing. The course does not contain dictation work.

420. Skill Building in Typewriting.

Three hours a week. Credit: three quarter hours.

This course is concerned with the techniques of skill building at the typewriter. Emphasis is placed upon specific learning aids and the development of correct typing procedures. Prerequisite: Graduate standing.

421. Skill Building in Gregg Shorthand.

Three hours a week. Credit: three quarter hours.

This course is concerned with the building of skill in Gregg Shorthand. Shortcuts in the skill building program are examined and tested.

Prerequisite: Graduate standing.

ACCOUNTING

130. Principles of Accounting.

Fall quarter. Three hours a week. Credit: three quarter hours.

The following fundamentals of accounting are discussed: the balance sheet, statement of profit and loss, ledger accounts, proprietorship accounts, bookkeeping procedures, adjusting and closing entries, books of original entry, and controlling accounts. Laboratory problems to illustrate. Three extra hours per week required in the accounting laboratory. Required of all Business Education majors.

131. Principles of Accounting.

Winter quarter. Three hours a week. Credit: three quarter hours.

A study of interest and discount, valuation accounts, accrued and deferred items, the periodic summary, business practice and procedure, routine, recording, and partnerships. A practice set is used. Three extra hours per week required in the accounting laboratory.

Required of all Business Education majors.

Prerequisite: Business Education 130.

132. Principles of Accounting.

Spring quarter. Three hours a week. Credit: three quarter hours.

The course includes such topics as: nature and characteristics of a corporation, corporate accounting, the voucher system, and cost accounting for manufacturing. A practice set for a corporation is used. Three extra hours per week required in the accounting laboratory.

Required of all Business Education majors.

Prerequisite: Business Education 131.

234. Accounting Practice and Procedure.

Six laboratory hours a week. Credit: three quarter hours.

The purpose of this course is to review accounting practice and procedure in various types of business. Practice

materials are selected by the student from the following: city government, automobile dealer, physician, lawyer, commission merchant, sporting goods merchant, and a farmer. Required of all business education majors who are candidates for the B.S. degree.

Prerequisite: Business Education 132.

235. Advanced Accounting Theory.

Three hours a week. Credit: three quarter hours.

A study of advanced accounting theory including a review of the accounting process, statements from incomplete data, cash and receivables, inventories, investments, fixed assets, intangibles, liabilities, capital stock, and surplus. Prerequisite: Business Education 132.

236. Advanced Accounting Theory.

Three hours a week. Credit: three quarter hours.

A study of advanced accounting theory including installment sales, cost accounting, correction of errors, statement of application of funds, analysis of financial statements, partnerships, joint ventures, consignments, and branch accounting.

Prerequisite: Business Education 132.

237. Advanced Accounting Theory.

Three hours a week. Credit: three quarter hours.

A study of advanced accounting theory including consolidated statements, statement of affairs, receivership accounting, estates and trusts, and actuarial science.

Prerequisite: Business Education 132.

322G.a.b.c. Accounting Apprenticeship.

Fall, winter and spring quarters. Six hours a week.

Credit: three quarter hours.

The student will be required to do supervised work in one of the following situations: Office work in an approved office downtown; office work in an approved college office; or supervision of accounting laboratories.

Open to seniors and graduate students only.

Prerequisite: Business Education 132 or equivalent.

330G. Federal Tax Accounting.

Three hours a week. Credit: three quarter hours.

A study of the special problems involved in the accounting for income taxes, the capital stock tax, the gift tax, the estate tax, the excess profits tax, and social security taxes.

334G. Auditing. (Formerly B. E. 405).

Three hours a week. Credit: three quarter hours.

A study of auditing procedure, cash, securities, receivables, inventories, fixed assets, and related topics.

Prerequisite: Business Education 132 or equivalent.

340G. Cost Accounting.

Three hours a week. Credit: three quarter hours.

Topics: method of collecting costs of material, labor, and overhead; perpetual inventories; legal phases of cost accounting; cost accounting for departments and branches. A manufacturing set is a part of the required work.

Three extra hours per week required in the accounting laboratory.

Prerequisite: Business Education 132.

412. C. P. A. Problems—Accounting Theory and Practice.

Three hours a week. Credit: three quarter hours.

An extensive study of accounting problems that have been used in C. P. A. examinations by the American Institute of Accountants.

Prerequisite: 9 hours of college accounting.

413. C. P. A. Problems—Auditing.

Three hours a week. Credit: three quarter hours.

An intensive study of auditing problems that have been used in C. P. A. examinations by the American Institute of Accountants.

Prerequisite: 9 hours of College Accounting.

414. C. P. A. Problems—Commercial Law.

Three hours a week. Credit: three quarter hours.

An intensive study of legal problems that have been used in C. P. A. examinations by the American Institute of Accountants.

Prerequisite: 9 hours of college accounting and 6 hours of college business law.

DISTRIBUTIVE EDUCATION*

This is a new teacher-training offering designed to prepare teachers for positions in distributive education. Instruction in this area will include courses in accounting, typing, general business, distributive education and social

studies. Students desiring to major in distributive education must minor in social studies. The complete requirements for both the major and the minor are listed under the B.S. Degree in Business requirements on page 66.

341. Salesmanship.

Three hours a week. Credit: three quarter hours.

A course for prospective teachers of salesmanship, and for students who expect to do actual selling.

A study is made of such topics as sales personality; qualifications of the salesman; knowledge of the firm, product, and prospect; the sales talk and interview; meeting the objections, and opportunities in selling. Actual experience is obtained through the Greenville stores. Talks and demonstrations are given by experienced salesmen.

342. Advertising.

Three hours a week. Credit: three quarter hours.

A study of the development, functions, and basic principles of advertising. Attention is given to such topics as evaluation and choice of advertising media, types and construction of advertising, and sales promotion.

343. Retailing.

Three hours a week. Credit: three quarter hours.

A general survey of the principles of retail store operation and management. Store location, layout, organization, personnel, and merchandise control are typical of the topics treated in the course. Field trips are made.

344. Credits and Collections.

Three hours a week. Credit: three quarter hours.

An introduction to the important field of credit and collection procedures. Topics include credit instruments, credit institutions, collection and use of credit information, duties and qualifications of the credit manager, analysis of the credit risk; collection methods, letters and devices; and legal remedies of the creditor.

345. Merchandise Presentation and Display.

Three hours a week. Credit: three quarter hours.

A study of design, color, fashion, and materials, as related to service salesmanship; merchandising aspects of window and interior display.

* Complete requirements are found on page 63.

BUSINESS ADMINISTRATION

10. Introduction to Business (formerly 110).

Three hours a week. Credit: three quarter hours.

Required of all business education majors.

This course has been planned especially for students in other departments who want to elect a course in business education.

The course also provides background materials for the study of other business subjects.

Topics: The handling of business papers; introduction to office machines; the proper use of banking facilities; the handling of negotiable instruments; filing; problems of communication and travel such as the use of the telephone, telegraph service, postal service, express and freight services, passenger transportation services, and services to travelers.

231. Business Law.

Three hours a week. Credit: three quarter hours.

Required of all business education majors.

This course is recommended to students in other departments who wish to elect a course in business education. The course includes a discussion of law and its administration, contracts, principal and agent, employer and employee, and negotiable instruments.

232. Business Law.

Three hours a week. Credit: three quarter hours.

Required of all business education majors.

This course is recommended to students in other departments who wish to elect a course in business education. Business Education 231 is not prerequisite to this course. The course includes a discussion of principal and surety, insurer and insured, bailor and bailee, carriers and shippers or passengers, vendor and vendee, partnerships and corporations.

233. Business Law.

Three hours a week. Credit: three quarter hours.

This course is recommended to students in other departments who wish to elect a course in the field of business education.

The course includes a discussion of property, deeds of conveyance, mortgagor and mortgagee, landlord and tenant, torts, business crimes, bankrupt and creditors.

410. Current Trends in Business.

Three hours a week. Credit: three quarter hours.

Emphasis is placed upon recent developments in the field of business and in the field of business education.

415. Advanced Business Law.

Three hours a week. Credit: three quarter hours.

The law of negotiable instruments is emphasized in this course.

416. Advanced Business Law.

Three hours a week. Credit: three quarter hours.

The law of contracts is emphasized in this course.

417. Advanced Business Law.

Three hours a week. Credit: three quarter hours.

This is a course covering business law problems. The student will develop a research investigation of one of the following legal situations: law and its administration, sale of personal property, employer-employee, insurer-insured, business organizations, real property, and torts and business crimes.

440. Current Problems in Business.

Three hours a week. Credit: three quarter hours.

This course deals in the areas of business principles and trends that should be of common knowledge to the layman. It does not present technical materials which require a background in specific business courses. It is primarily a research course and will require extensive investigation into the resource materials related to the topics selected by the student. Topics for investigation: contracts, negotiable instruments, insurance, property rights, employer and employee relationships, problems of business management, types of business organization, business and the consumer, business and taxation, and accounting for small businesses.

BUSINESS EDUCATION**223a. Materials and Methods of the Teaching of Book-keeping, General Business and Business Law.**

Three hours a week. Credit: three quarter hours.

Credited as Education 223be.

Prerequisite: Business Education 132.

223b. Materials and Methods of the Teaching of Type-writing, Shorthand and Office Practice.

Three hours a week. Credit: three quarter hours.

Credited as Education 223be.

Prerequisites: Business Education 3 and 116.

324. Observation and Student Teaching.

One quarter. Eighteen hours a week. Credit: twelve quarter hours.

Credited as Education 324b.

401. Problems in Business Education.

Three hours a week. Credit: three quarter hours.

A course designed for business teachers who wish to make special investigations of certain phases of business education. Topics for study include curriculum making, administration of business departments, and the equipment of a department.

430. The Business Education Curriculum.

Three hours a week. Credit: three quarter hours.

This course deals with an interpretation of the modern philosophy of business education. The purpose of the course is to develop principles of curriculum that harmonize with a workable philosophy of secondary education in a democracy.

EDUCATION

**Mr. Hurlburt, Miss Coates, Mr. Fuller, Mr. Haynes, Miss Murray,
Mr. Oppelt, Mrs. Perkins, Miss Wahl.**

1. Introduction to Education (Orientation).

Three hours a week. Credit: three quarter hours.

Open to freshmen only. Upperclassmen see advisers for substitute course for Education 1.

The purpose of this course is to orient the prospective teacher in the field of education. To a certain extent, the instructors select the topics that they find the varying groups of freshmen need.

Such individual problems as the development of effective study habits, improvement of reading skills, and the problems of adjustment are given first consideration. The following general topics are covered: academic standing, schol-

arship, citizenship, personal responsibility, spiritual values, rules of etiquette, library, marriage and the family, teacher orientation and higher education, study habits and techniques, extra-curricula activities, hobbies and recreation, and improvement of reading.

200. Literature for Children.

Three hours a week. Credit: three quarter hours.

Required of majors in primary education.

A content course designed to give a survey of the best that world literature has to offer children, with emphasis on those forms which have the most interest for them, and to help students establish for themselves standards for the selection and appraising literature for young children. Wide reading and library materials are likewise included.

201a.b.c. Contemporary Education.

One hour a week. Credit: one quarter hour.

Elective for juniors and seniors.

The group meets not less than ten times per quarter and attendance at all meetings is necessary for credit.

Not more than twenty students are permitted to enroll in this course for any one quarter.

In this course each student is expected to select some topic of current interest in education and discuss it satisfactorily before the group. Credit is given without examination.

206. Language Arts: Language in the Primary Grades.

Three hours a week. Credit: three quarter hours.

Required of all students working for the primary certificate. The purpose of this course is to acquaint the student with the language needs of young children and the school's part in providing for these needs. The following topics will be emphasized: factors affecting the child's language growth; language as social behavior; competencies in the use of language (both oral and written) to be developed in the primary school; curriculum material in relation to language; writing and spelling skills necessary in written language.

207. Language Arts: Reading in the Primary Grades.

Three hours a week. Credit: three quarter hours.

Required of all students working for the primary certificate.

Topics: reading as an interpretive process; trends in reading instruction; reading readiness; a reading program for the grades, including initial reading activities; and an acquaintance with the basic reading materials, including the state-adopted texts. Class activities include observation in the laboratory school, oral and written reports, and the making of chart stories.

208. Language Arts: Reading in the Primary Grades.

Three hours a week. Credit: three quarter hours.

Required of all students working for the primary certificate.

Evaluation of the most desirable reading materials; consideration of illustrators of children's books and the Newbery and Caldecott Medal books; reading for information and pleasure; independence in word recognition; place of phonics; and the use of the library center in the primary classroom; class activities include observation in the laboratory school and the preparation of bulletin board material and notices.

Prerequisite: Ed. 207 or its equivalent.

223. Methods of Teaching in the High School.

Two quarters. Three hours a week. Credit: three quarter hours each term.

Required of all students working for the high school certificate.

A student preparing to teach special subjects in the high school is required to take high school methods in the department of his major and minor subjects. For further particulars see the methods courses outlined in detail under the departments and numbered 223.

248. Reading in the Grammar Grades.

Three hours a week. Credit: three quarter hours.

Required of all students working for grammar-grade certificate.

The purpose of this course is to make a study of: the present tendencies in reading; the primary background essential for success at the grammar-grade level; the major objectives of oral and silent reading; the uses of the different types of reading; the abilities to be acquired during this period; the evaluation and selection of appropriate material; and ways of handling these.

301. Education in the Kindergarten.

Six hours per week. Credit: three quarter hours.

This is a laboratory course built around observation and participation in the kindergarten. It is designed for students who are majoring in kindergarten or primary education, and also for others who are interested in laboratory instruction in child development. Through observation and participation in the program of the kindergarten provision is made for the student to get acquainted with the methods of instruction, the materials, and the equipment necessary for the education of young children. The plan of the course includes a day-by-day continuity of work for the five week days in which kindergarten is in session. Conferences with the leader of the kindergarten and related readings will be provided for the various problems as they arise.

306G. Social Sciences in the Elementary School.

Three hours a week. Credit: three quarter hours.

Open to seniors and graduate students only.

The purpose of this course is to show child development through social science experiences.

Topics: ways the social sciences develop; content of the social sciences; arrangement of environment conducive to children's social growth; participating in making records of children's social science curriculum in action; and making studies of play materials, books, pictures, and stories.

307G. The Primary School.

Three hours a week. Credit: three quarter hours.

Senior elective.

Emphasis is laid on the professional growth necessary if the prospective teacher is to make a success in this field.

This course consists of observations in the laboratory school followed by readings in primary education for the purpose of evaluating classroom activities; conducting teacher-pupil conferences; studying the curriculum; and discovering what may be expected of the child during and at the close of this period.

308. Story Telling.

Three hours a week. Credit: three quarter hours.

This course includes a study of the fundamental principles and techniques of telling stories and the selection of suitable materials.

Throughout the course emphasis will be placed on correct pronunciation and clear enunciation.

315. Directed Observation in the Elementary School.

Three hours a week. Credit: three quarter hours.

Limited Registration.

This course is planned for those who wish guidance in the observation of good teaching. Students will observe in groups and individually. Observations in the Training School will be followed by discussions in which analysis and evaluation in terms of fundamental principles will be made. Students will be directed in readings relating to their individual problems.

318e. Classroom Management.

Every quarter. Three hours a week. Credit: three quarter hours.

Required of all primary and grammar-grade majors.

This course is given for primary and grammar-grade majors during the quarter in which they do their student-teaching. The topics considered are: common problems related to teaching in general and the student's teaching in particular; professional ethics; organization of the classroom for living and learning; planning the daily program in terms of the children's needs; the keeping of records and preparation of reports; the relation of the school, home, and community; professional organizations—their publications and materials; and the characteristics of a good school. (High School Majors see Education 318s.)

318s. Classroom Organization and Control.

Fall, winter, and spring quarters. Three hours a week. Credit: three quarter hours.

A seminar for student-teachers in high schools to be taken preferably during the quarter in which they do their student-teaching.

Class discussion under the leadership of the director of student-teaching (in collaboration with the officials and supervising teachers of the high schools, and the college departmental supervisors of student-teaching) will be based largely on the observation and participation of student-

teachers in the major instructional and non-instructional activities of high school teachers. In addition, such topics as the following will be included: teacher personnel relationships, records and reports required by the State, etc.

320. Visual Aids in Education.

Three hours a week. Credit: three quarter hours.

Elective: Open to juniors and seniors.

The purpose of this course is to aid teachers in utilizing the more important types of visual materials, including slides, prints, and the motion picture. Particular attention is given to the problem of selection and the integration of these materials in the school program.

Students are given instruction in the operation of equipment and the preparation of material.

322. History of Education in the United States.

Three hours a week. Credit: three quarter hours.

Required of all four-year primary and grammar-grade students. This course considers the significant phases in the development of education in the United States from the Colonial foundation to the present time. Great American educators and their contributions are stressed. Attention is directed to outstanding current problems in education which are demanding solution and an aggressive attitude toward these problems is encouraged.

324. Observation and Supervised Teaching in the High School.

Eighteen hours a week. Credit: twelve quarter hours.

This course is represented in the high school departments under the No. 324.

325. Principles of Secondary Education.

Three hours a week. Credit: three quarter hours.

The course considers the present problems of secondary education, curricula, aims in high school education, organization and administration, and summarizes in a general way the other courses in secondary education.

339. Directed Observation in the Elementary School.

Three hours a week. Credit: three quarter hours.

Required of all Primary and Grammar Majors as a prerequisite to practice teaching.

The purpose of this course is to prepare students for practice teaching. Through directed observations of children

and teachers at work in the Training School the student will be better prepared for her student-teaching during the following quarter. Toward the end of the quarter the student's observations will be confined to the grade in which she will do her practice-teaching.

341-2-3-4. Observation and Supervised Teaching in the Primary Grades.

Every quarter. Credit: twelve quarter hours.

Required of all Primary Majors.

The purpose of this course is to give the student actual teaching experience. Induction takes places gradually and as rapidly as the student shows a readiness for responsible teaching. Participation in the major activities of a teacher, including home visitation, is provided. Regular conferences with the critic teacher are given over to the evaluation of observation work, to the problems encountered by the student teacher and to the planning of further work. During this quarter the student spends the entire school day in the Training School.

345-6-7. Observation and Supervised Teaching in the Grammar Grades.

Every quarter. Eighteen hours a week. Credit: twelve quarter hours.

Required of all grammar-grade majors.

In this course the student teaches several subjects to the class as a whole and during the quarter probably teaches the whole class the entire day for one or more days.

358G. Tests and Measurements.

Three hours a week. Credit: three quarter hours.

Aim: To acquaint the student with the construction and uses of teacher-made and standardized tests.

Topics: History and background of measurement in education, construction and uses of teacher-made tests, general types of standardized tests, administering, scoring, interpreting and using standardized tests, elementary statistical techniques used in developing norms and validating standardized tests.

360G. Principles of Guidance (formerly Adm. 360G).

Three hours a week. Credit: three quarter hours.

A basic course in the principles and practices of a guidance program.

This course includes a discussion of the basic assumptions for guidance; the need and extent of guidance needs of

pupils; the classroom teacher's responsibility in the total guidance program; fundamental guidance practices to be understood, such as the individual inventory, occupational information, counselling, training opportunities, placement and follow-up.

361G. Introduction to Exceptional Children.

This course offers an introduction to the problems of the hard-of-hearing, the partially sighted, the crippled, the speech defective, the slow learner, and the maladjusted gifted child.

362G. Speech Pathology.

Three hours a week. Credit: three quarter hours.

A study of the anatomy of the vocal mechanism, the etiology of cleft palate speech, spastic speech, aphasia, stuttering and the speech problems of the hard-of-hearing.

363G. Speech Development and Correction.

Three hours a week. Credit: three quarter hours.

A survey course in the development and correction of speech sounds and discussion of speech faults in older children. This course includes a discussion of the normal development of speech; the treatment of articulatory disorders, cleft-palate speech, spastic speech, the speech of the hard-of-hearing, voice problems; emphasis on the treatment of secondary stutterers.

400a.b.c. Seminar.

Two hours a week. Three quarters. Credit: six quarter hours.

In this course each student, under the direction and guidance of his adviser, presents at least one problem or subject each quarter. These problems are to be discussed and each student is supposed to take the lead in the discussion of his problem. Problems are to be chosen from major fields. The study of the problem must show original research or original organization on the part of the student presenting it.

404. Counseling Techniques.

Three hours a week. Credit: three quarter hours.

Aim: To develop an understanding of the basic principles and techniques of counseling and to develop competency in applying these techniques to the work situation.

Topics: Appraising the individual for counseling purposes,

use of tests in counseling, the interview in counseling, case study methods, types of problems met in counseling, various approaches to counseling, organization and administration of counseling services, evaluation of counseling.

405. Investigation in the Teaching of Reading.

Three hours a week. Credit: three quarter hours.

The course consists of making an analytical study of researches that have been reported on the various phases of the teaching of reading. The child's difficulties in becoming familiar with the reading processes, the teaching difficulties in the subject, remedial work designed for the child's benefit, and a critical evaluation of the research studies with special reference to the psychological principles involved and the educational implications to be derived are given serious consideration in this course.

406. Elementary School Administration (formerly Adm. 405).

Three hours a week. Credit: three quarter hours.

Among the topics to be discussed are the following: the qualifications of the principal; the purpose and scope of elementary education; grouping of children for wholesome development; pupil progress; the daily program; pupil personnel and adjustment services; the school library; health of children; provision for exceptional children; the school office and the school plant. Required for the principal's certificate. Fall Quarter.

407. Public School Finance (formerly Adm. 407).

Three hours a week. Credit: three quarter hours. This course is designed to provide the student an opportunity to gain an over-view of the development of American educational finance and present trends. Some practical experience will be provided in budgeting school funds, auditing school accounts, making cost analyses and financial reports.

408. Public School Administration (formerly Adm. 408).

Three hours a week. Credit: three quarter hours.

Among the topics to be discussed in this course are the following: Administrative personnel and organization; administration of instructional employees; administration of the school plant; administration of school business affairs; administration of pupil personnel; administration of instructional materials.

409. High School Administration (formerly Adm. 409).

Three hours a week. Credit: three quarter hours.

Illustrative of the topics to be considered are the following: the development of the secondary school; aims of secondary education; organization and management of secondary schools; classroom control; supervision; the home room; the health program; extracurricular activities; the school library; appraising and reporting pupil progress; present practices and trends in high school administration.

This course is required for the principal's certificate. Spring Quarter.

410. Staff Personnel Problems (formerly Adm. 433).

Three hours a week. Credit: three quarter hours.

This course includes a discussion of such topics as: teacher supply and demand; recruiting and selecting teachers; in-service preparation of teachers; certification of teachers; introducing the new teacher to her work; married teachers; evaluating teacher effectiveness; teacher load; teachers' salaries; teacher turn-over; tenure; professional organizations; the health and recreation of teachers; professional ethics; the legal and social status of teachers.

411. Problems in Educational Administration (formerly Adm. 482).

Three hours a week. Credit: three quarter hours.

This course is designed for majors in administration with administrative experience. Each member of the class will be expected to do research on a problem in administration and to present the results of this research to the class for discussion.

412. Improvement of Reading Instruction in the Primary Grades.

Three hours a week. Credit: three quarter hours.

This course is planned for teachers of experience. Individual teaching problems will be given consideration.

Topics: Factors conditioning children's success in reading; a study of the experiences of children which affect their reading interests; the utilization of these interests in the acquiring of desirable reading attitudes, habits, and skills; evaluation of methods of teaching reading, and materials characteristic of current practice. Demonstrations of the telebinocular and other mechanized reading aids are a part of this course.

There will be observations in the Training School.

413. School Buildings and Grounds.

Three hours a week. Credit: three quarter hours.

Planning school facilities to meet community needs. New trends in school design and materials. The layout of school grounds. Problems of maintenance.

416. Problems of the Primary Teacher.

Three hours a week. Credit: three quarter hours.

This is a problem course. It is planned for experienced teachers who wish to work on some specific problem or problems in their respective fields. Each student will have the opportunity to make an intensive study of his problem in its relation to the school program. There will be regularly scheduled observations in the Training School provided for the members of the class.

417a. Study of Some of the Major Problems of the Grammar Grades.

The student will distribute the working time each week as follows: A minimum of two hours observation in the Training School, two hours library work, two hours group conference a week, and three hours a week in conference with the instructor.

Credit: three quarter hours.

The class divides into working committees with a chairman and a secretary. Each committee schedules its own time and place for meetings. Each student selects some major problem or problems with which he wants to work. A list of these problems is given to the teacher for evaluation before the student begins work on them.

Reports are to be presented both orally to the whole group, and to the teacher in writing with complete records of individual and group activities attached. The chairman of each group keeps a check on attendance for individuals in his group. Pre-observation conference with the critic teachers is necessary before observing in the room. The groups meet the critic teachers in conference following the observations.

417b. Study of Some of the Major Problems of the Grammar Grades.

Credit: three quarter hours.

This course is a continuation of Education 417a. New problems will constitute the content of this course. The student will distribute the working time each week as follows: A minimum of two hours observation in the Training School;

two hours library work; two hours in group conference; and three hours each week in conference with the instructor.

417c. Study of Some of the Major Problems of the Grammar Grades.

Credit: three quarter hours.

This is a continuation of Education 417a and Education 417b. New problems will constitute the content of this course. The student will distribute working time each week as follows: A minimum of two hours observation in Training School; two hours library work; two hours in group conference; and three hours each week in conference with the instructor.

420. Teaching Aids in Education.

Three hours a week. Credit: three quarter hours.

For teachers and administrators who wish to make use of objective teaching aids, including the school journey, slides, prints, and the motion picture. Available materials in these fields are surveyed and attention given to the problem of selection and integrated use in the school program.

Sources of supply for all materials and projection apparatus, and care of materials and equipment will be considered. A survey of literature in this field will be made.

422. History and Philosophy of Education.

Three hours a week. Credit: three quarter hours.

This course takes up the historical development of the principles and practices of education from the earliest times to the present. Education as an expression of the aims of life for the individual and social group is studied.

423. History and Philosophy of Education.

Three hours a week. Credit: three quarter hours.

This course is a continuation of Education 422.

424. The High School Curriculum (formerly Adm. 424).

Three hours a week. Credit: three quarter hours.

Topics to be discussed are: the present status of secondary education; philosophy of secondary education; studying the adolescent as a basis for curriculum re-organization; types of secondary curricula; procedures in curriculum re-organization; present trends. Required for certification as high school principal or supervisor. Winter Quarter.

425. The Elementary School Curriculum (formerly Adm. 422).

Three hours a week. Credit: three quarter hours.

This course is based on the following units: Understanding the elementary school child; guiding life in the school; organizing and presenting learning experiences by the unit approach; sources of materials; current practices and trends in teaching social science, the language arts, quantitative thinking, science, health and creative arts; evaluating changes in the child.

Required for elementary school principals and recommended for elementary teachers and supervisors. Fall Quarter.

428. Principles and Practices of Supervision (formerly Adm. 428).

Three hours a week. Credit: three quarter hours.

The following topics will be included: an emerging conception of supervision; the principles of supervision; the administrative organization for supervision; planning supervisory programs; studying and improving the teacher-learning situation; evaluating supervision.

Required for certification as a principal or supervisor. Winter Quarter.

429. Problems in Educational Supervision (formerly Adm. 484).

Three hours a week. Credit: three quarter hours.

This course is designed for superintendents, principals and supervisors. Each member of the class is expected to do research on one or more problems in supervision and to present the results of this research to the class for discussion.

430. Educational Statistics.

Three hours a week. Credit: three quarter hours.

Designed for prospective principals and supervisors. Continuation of Administration and Supervision 330.

Topics: partial correlations, multiple correlations, linear regressions, use of normal probability curve to interpret data; weighing scores; comparing groups; tabulations, etc.

434. Home-school-community Relations.

Three hours a week. Credit: three quarter hours.

Such topics as the following will be considered: the need for home-school-community relations; growth of community interest in public education; influence of the community on public education; propaganda; financial support of public

schools; school publicity; community organizations and the schools; problems and policies in public relations; suggested procedures in building a constructive program.

464. Re-education of Acoustically Handicapped Children.

Three hours a week. Credit: three quarter hours.

This is the study of the nature and causes of hearing disabilities and the techniques in the conservation of residual hearing.

465. Audiometric Testing.

Three hours a week. Credit: three quarter hours.

This course deals with the methods of measuring hearing. Students are given actual practice in the use of audiometers. The interpretations of audiograms and the re-education of acoustically handicapped children are studied.

466. Lip Reading.

Three hours a week. Credit: three quarter hours.

A study is made of the fundamentals of the visible movements involved in speech and of the various methods, techniques, and materials for the teaching of lip reading.

467. Phonetics.

Three hours a week. Credit: three quarter hours.

This course offers a detailed study of speech sounds, the mastery of the International Phonetic Alphabet and training in phonetic transcriptions.

480. Interpretation and Use of Research Reports.

Three hours a week. Credit: three quarter hours.

Required of all master's degree candidates. The purpose of this course is to provide some training and experience in the field of educational research and in the more intensive specialization usually associated with it.

481. Educational Foundations.

Three hours a week. Credit: three quarter hours.

This course introduces the students to the most fundamental problems of education in the contemporary world through discussion of the series of topics designed to develop prospective understanding and purpose as a foundation for practical, professional colleges and schools. Specific topics considered are art, music, ethics, aesthetics, philosophy, etc

ENGLISH

**Miss Turner, Mr. Bryan, Miss Charles, Miss Greene, Miss
Greer, Miss Grigsby, Miss Hooper, Miss Pingel,
Mr. Posey, Mr. Rutan**

1. Composition.

Three hours a week. Credit: three quarter hours.
Required of all freshmen.

An intensive study in the fundamentals of English in an attempt to discover and correct weaknesses in speaking and writing: a review of grammar, punctuation, and capitalization; note-taking; the use of the library; elementary outlining, and writing short themes. Each student is required to own a standard collegiate dictionary for use in this course and in all other English courses.

2. Composition.

Three hours a week. Credit: three quarter hours.
Required of all freshmen.

Word-study, sentence and paragraph structure, letter writing, and descriptive and narrative writing, with some practice in such other specialized forms as book reviewing and news writing.

3. Composition.

Three hours a week. Credit: three quarter hours.
Required of all freshmen.

Topics for half the term: writing simple essays, making short talks of a practical nature, and reading aloud; for the other half of the term: selecting an appropriate topic, reading, taking notes, making a bibliography, preparing topical and sentence outlines, and finally writing a source theme.

109. Elements of Journalism (formerly 109a.b.c.).

Fall quarter. Three hours a week. Credit: three quarter hours.

Of special value to members of the newspaper staff and to majors in English interested in journalism in high school. Attention is given to the mechanics of the news story; to the writing of editorials, features, and reviews; and to several specialized types of reporting. A brief consideration of make-up is included.

110. American Literature.

Three hours a week. Credit: three quarter hours.

Required of majors in English.

A survey of American literature from its beginning to about 1870. Collateral reading required.

111. American Literature.

Three hours a week. Credit: three quarter hours.

Required of majors in English.

A continuation of English 110, bringing the survey to 1900.

112a. English Literature.

Three hours a week. Credit: three quarter hours.

Required of majors in English.

A survey of English literature from the beginning to 1660.

112b. English Literature.

Three hours a week. Credit: three quarter hours.

Required of majors in English.

A continuation, bringing the survey to 1832.

112c. English Literature.

Three hours a week. Credit: three quarter hours.

A continuation, bringing the survey to 1890.

114a.b.c. The Bible as Literature.

Fall, winter, spring. One hour a week. Credit for each course: one quarter hour.

Study of literary types: prose narrative, poem, oration, essay, sermon, and letter.

117. Parliamentary Procedure.

One hour a week. Credit: one quarter hour.

Offered once a year.

The study and practice of such parliamentary procedure as is needed to take part in, or conduct, ordinary meetings—the handling of common motions, the question of what motions take precedence, and the proper motions to use to accomplish various purposes.

119. Voice and Diction.

Every quarter. Credit: three quarter hours.

This course or English 218 required of every student.

Systematic study of English speech sounds, with exercises to develop a clear, pleasing voice. Correction of the simpler forms of speech problems, and training of the voice as a tool for professional success.

206. Reading.

Three hours a week. Credit: three quarter hours.

Required of English majors working for the B.S. degree.

A general course that gives opportunity for building up good reading habits and correcting of poor habits by the acquisition of techniques required for the various types of reading matter, including both literary and practical materials. Emphasis is placed on diagnosis of reading troubles and remedial measures.

213. Advanced Composition.

Three hours a week. Credit: three quarter hours.

Required of English majors.

Practice in various forms of writing, along with the study of models. Correctness and development of individual style stressed.

216. Young People's Literature.

Fal quarter. Three hours a week. Credit: three quarter hours.

Required of English majors working for the B.S. degree. Wide reading, by types, of material appropriate for adolescents; a thorough study of representative selections; considerable attention to book selection.

218. Oral English.

Every quarter. Three hours a week. Credit: three quarter hours.

This course or English 119 required of every student.

Oral reading, short-topic discussion, and participation in meetings, with emphasis upon the overcoming of stage fright and the developing of correct pronunciation, clear enunciation, and the ability to talk well before a group.

219. World Masterpieces in Translations.

Fall quarter. Three hours a week. Credit: three quarter hours.

Required of English majors working for the A.B. degree.

A reading course in superior translations of a number of classical and modern masterpieces of Continental Europe

222. English Grammar.

Three hours a week. Credit: three quarter hours.

Required of majors in English.

223. The Teaching of English in High School.

Spring quarter. Three hours a week. Credit: three quarter hours.

Required of English majors working for the B.S. degree. (See Education 223.)

Principles and methods of teaching literary and composition types; some attention to the activities of major organizations, publishing houses, and teachers in the field; some practice in the examination and evaluation of textbooks, professional writings, maps, pictures, and other helps.

224. The Forms of Poetry.

Winter quarter. One hour a week. Credit: one quarter hour.

A study of meter, stanzaic forms, figures of speech, and rhyme, with special emphasis on harmony or form and content.

225. The Short Story.

Winter quarter. Three hours a week. Credit: three quarter hours.

Offered in alternate years.

A study of many representative examples, with some attention to the history of the short story as a distinct literary type.

226. An Introduction to Philosophy.

Three hours a week. Credit: three quarter hours.

A comprehensive study of the fundamentals of philosophic thought: the value of philosophical literature in the practical world; the basic problems raised by the subject and their resolution. Representative excerpts from the works of the great thinkers—Plato, Aristotle, Kant, Spinoza, Schopenhauer, Nietzsche, James, Russell, Dewey—will be discussed in the light of their influence on man and his conception of the universe.

234. English in the Grammar Grades: Language—Composition.

Winter quarter. Three hours a week. Credit: three quarter hours.

Prerequisite: English 222.

Required of majors in grammar-grade education.

A course that aims to familiarize the student with the standards and content of the language arts in the gram-

mar grades; to present principles for teaching these; and to give practical training with the oral and written forms of composition employed in activity curricula in which language is functional for real needs.

305G. Current Problems in English. (Formerly 405).

Three hours a week. Credit: three quarter hours.

A critical study of some of the current writings on major linguistic, literary, and professional problems.

313. Literature for the Grammar Grades.

Three hours a week. Credit: three quarter hours.

Required of majors in grammar-grade education.

A comprehensive survey of the field of literature on the grammar-grade level. An intensive study of examples of the types emphasized; wide parallel reading; guidance in book selection for individuals and for grade libraries.

314G. Modern Drama.

Winter quarter. Three hours a week. Credit: three quarter hours.

Elective.

Offered in alternate years.

A study of representative modern dramatists—Maeterlinck, Hauptmann, Galsworthy, Barrie, Shaw, O'Neill, and a number of others—with some attention to types and movements.

318G. The Literature of the American Age of Reason.

Three hours a week. Credit: three quarter hours. Prerequisite: English 110 or its equivalent.

A comprehensive study of the principal writers of the Age of Reason (approximately 1750-1812) and their effects on the development of American literature. Representative workers will be analyzed, and oral as well as written reports on collateral materials will be required.

318G.b. The Literature of the American Renaissance.

Three hours a week. Credit: three quarter hours. Prerequisite: English 110 or its equivalent.

The American Renaissance (approximately 1829-1860) is that period of American literature which marks the transition from Romanticism to Transcendentalism. Representative authors of the period will be studied with particular emphasis on the innovators of Transcendentalism. Their

works will be analyzed in the light of the influences and traditions which led to American independence in literature. Reports and collateral reading will be required.

319G. Modern Poetry.

Spring quarter. Three hours a week. Credit: three quarter hours.

Offered in alternate years.

A survey of American and English poetry from 1900 to the present time, including a study of the poetic movements and contemporary trends of the major poets, and representative poems.

324. Observation and Student Teaching.

Every quarter. Eighteen hours a week. Credit: twelve quarter hours.

Required of English majors working for the B.S. degree. (See Education 324.)

Directed observation; frequent conferences with the supervising teacher and college supervisor; participation in class and, when possible, in extracurricular activities; practice teaching.

325. Shakespeare.

Spring quarter. Three hours a week. Credit: three quarter hours.

Required of English majors.

Ten or more plays of Shakespeare studied and discussed in class.

326G. Romantic Poetry.

Spring quarter. Three hours a week. Credit: three quarter hours.

Prerequisite: English 112b.

Wordsworth, Coleridge, Byron, Shelley, and Keats emphasized. Some attention to lesser contemporaries.

327G. Victorian Poetry.

Fall quarter. Three hours a week. Credit: three quarter hours.

Prerequisite: English 112c.

A study of the work of the leading poets of the Victorian Era—Arnold, Clough, Mrs. Browning, the Rossettis, Morris, Swinburne, and others, with special emphasis on the poetry of Tennyson and Browning.

328G. Whitman. (Formerly 418).

Three hours a week. Credit: three quarter hours.

Offered in alternate years.

Prerequisite: English 110 and 111.

A comprehensive study of poetry and prose from Whitman.

Collateral reading and some investigative writing are required.

330. Acting and Interpretation. (Formerly 332).

Fall quarter. Three hours a week. Credit: three quarter hours.

Prerequisite: English 119, or consent of the instructor.

Interpretation of scenes from plays; study of the basic principles of acting; elementary exercises in voice and pantomime; development of characterization in rehearsal and public performance.

331. Play Production.

Winter quarter. Three hours a week. Credit: three quarter hours.

Prerequisite: English 330, or consent of the instructor.

Problems of the stage director. Designing the production as a whole, with consideration of the choice of play, casting, rehearsal, stage decor, stage and business management. Participation in public performances to be arranged.

332. High School Dramatics. (Formerly 330).

Spring quarter. Three hours a week. Credit: three quarter hours.

Prerequisite: English 331, or consent of instructor.

Play production from the point of view of the high school teacher-director, with emphasis upon effective theatre presentation and the use of dramatics as a tool for developing personality.

333. Playwriting.

Three hours a week. Credit: three quarter hours.

Offered once a year.

Prerequisite: Consent of the instructor.

Writing of sketches and plays for the theatre and the microphone.

334G. Ethics and Human Understanding.

Offered in alternate years. Three hours a week. Credit: three quarter hours.

Prerequisite: English 226 (or its equivalent) or consent of the instructor.

An analysis of the fundamental ethical theories of the Stoics, Epicureans, Kantians, Utilitarians, Pragmatists, Realists, and Idealists, together with an evaluation of their effects on human conduct. The need for an understanding of conflicting aims will be stressed in connection with their influences on the symbolic expressions of man. Oral and written reports will be required.

FOREIGN LANGUAGES

Mr. Fleming, Miss Austin

FRENCH

Students entering college with exceptional background in language are encouraged to take a comprehensive written, oral and reading examination in the language or languages of their choice in order that they may be properly placed and permitted to advance as rapidly as their capacity and ability will permit.

1, 2, 3. Elementary and Intermediate French.

Five hours of recitation a week throughout the year. Credit: three hours a quarter. An accelerated course in elementary and intermediate French running through three quarters. Designed to meet the needs of Freshmen who have not received credit in French for admission to college. Those having received such credit should enroll in French 11, unless their preparation is inadequate, in which case they may register for this course. Those who complete this course satisfactorily will not be requested to take Intermediate French 11, 12, and 13. No credit is given for the elementary portion of the course. No two beginners' courses in foreign languages may be taken at the same time.

11, 12, 13. Intermediate French.

Fall, winter and spring quarters, respectively. Three hours a week. Credit: three quarter hours each.

Students specializing in French must pass this course or the equivalent with a grade of "3" or above before entering more advanced courses in French. No credit will be granted for 11 and 12 unless followed by 13.

101, 102, 103. Special Introductory Course.

Fall, winter, and spring quarters, respectively. Three hours a week. Credit: three quarter hours each.

Elective to any student who has not had a course in French. Especially designed for upperclassmen who wish an introduction to the language.

104, 105, 106. Advanced Grammar, Composition and Reading.

Fall, winter, and spring quarters, respectively. Three hours a week. Credit: three quarter hours each.

Required of students specializing in French.

Grammar, composition, dictation, analytical reading, vocabulary building, comprehensive reading.

107. French Translation.

Three hours a week. Credit: three quarter hours.

Translation of French plays and short stories.

114. Contributions of the Romance Languages to the English Vocabulary.

One hour a week. Credit: one quarter hour.

Elective. No knowledge of Foreign Languages required.

A course designed to show the relationship of these languages and to aid in vocabulary building.

125. Phonetics.

Three hours a week. Credit: three quarter hours.

Required of all students specializing in French.

A thorough study of phonetic principles—the phonetic triangle, French vowels and consonants and their relation to each other—and their practical application in prose, poetry and song. Regular exercises in correct pronunciation, diction, and intonation.

207, 208. French Literature and Composition.

One quarter each, respectively. Three hours a week. Credit: three quarter hours each.

Required of students specializing in French.

Selected readings in French literature. Analytical study of texts.

209. French Literature and Composition.

Three hours a week. Credit: three quarter hours.

Rapid comprehensive reading of selected texts.

211. Survey Course.

Three hours a week. Credit: three quarter hours.
Lectures, translations, assigned readings and reports.
The intent of this course is to give the student a general basis for more specific work in literature.

212. Grammar Review.

Three hours a week. Credit: three quarter hours.
A rapid review of grammar. Recommended to students who plan to teach French.

215. French Commercial Practice.

Three hours a week. Credit: three quarter hours:
A study of commercial practice as revealed in French newspapers, magazines, and commercial literature, preceded by a brief survey of economic France. Studies in modern business letter-writing.

225. Conversational French.

Three hours a week. Credit: three quarter hours.
Required of students specializing in French.
Prerequisite: French 125.

313, 314. History of French Literature.

Fall and winter quarters. Three hours a week. Credit: three quarter hours each.

316G. French Poetry.

Spring quarter. Three hours a week. Credit: three quarter hours.

317. Advanced French Reading.

Three hours a week. Credit: three quarter hours.
History of France in its relationship to French Literature.

318. Advanced French Reading.

Three hours a week. Credit: three quarter hours.

320G. Choses Francaises.

Three hours a week. Credit: three quarter hours.
Required of all students specializing in French.
A general informational course on France and the French people, intending to give the teacher of the language a background and fund of information useful in the teaching of French.

321G. The Novel.

Three hours a week. Credit: three quarter hours.

A study of the development of the French Novel during the nineteenth century.

325. Conversational French.

Three hours a week. Credit: three quarter hours.

Required of students specializing in French.

Prerequisite: French 125.

SPANISH

1, 2, 3. Elementary and Intermediate Spanish.

Five hours of recitation a week throughout the year. Credit: three hours a quarter. An accelerated course in elementary and intermediate Spanish running through three quarters, designed to meet the needs of Freshmen who have not received credit in Spanish for admission to college. Those having received such credit should enroll in Spanish 11, unless their preparation is inadequate, in which case they may register for this course. Those who complete this course satisfactorily will not be requested to take intermediate Spanish (11, 12, 13). No credit is given for the elementary portion of the course.

No two beginners' courses in foreign languages may be taken at the same time.

11, 12, 13. Intermediate Spanish.

Fall, winter, and spring quarters, respectively. Three hours a week each. Credit: three quarter hours each.

Students specializing in Spanish must pass this course or the equivalent with a grade of "3" or above before entering more advanced courses in Spanish.

101, 102, 103. Special Introductory Course.

Fall, winter, and spring quarters, respectively. Three hours a week. Credit: three quarter hours each.

Elective to any student who has not had a course in Spanish.

Especially designed for upperclassmen who wish an introduction to the language.

104, 105, 106. Advanced Grammar and Reading.

Fall, winter, and spring quarters, respectively. Three hours a week each. Credit: three quarter hours each.

Required of students specializing in Spanish.

Grammar, dictation, analytical reading, vocabulary building, comprehensive reading.

125. Self-expression in Spanish.

Three hours a week. Credit: three quarter hours.

Required of students specializing in Spanish.

Training in oral work designed to develop facility in self-expression in the language. Emphasis on pronunciation, vocabulary growth, and idiomatic expressions most frequently used in conversation.

207, 208. Reading and Composition.

One quarter each. Three hours a week. Credit: three quarter hours.

Required of students specializing in Spanish.

Selected readings in Spanish literature. Analytical study of texts.

209. Reading and Composition.

Three hours a week. Credit: three quarter hours.

Rapid comprehensive reading of selected texts.

212. Grammar Review.

Three hours a week. Credit: three quarter hours.

A rapid review of grammar. Recommended to students who plan to teach Spanish.

225. Conversational Spanish.

Three hours a week. Credit: three quarter hours.

Required of students specializing in Spanish.

Prerequisite: Spanish 125.

313, 314. Survey of Spanish Literature.

Fall and winter quarters, respectively. Three hours a week. Credit: three quarter hours each.

A course designed to correlate previous readings with the whole field of Spanish literature and to present other works with which the student of Spanish will wish to be acquainted.

316. Spanish Poetry.

Spring quarter. Three hours a week. Credit: three quarter hours.

320. Cosas Espanolas.

Three hours a week. Credit: three quarter hours.

A course designed to develop an understanding and appreciation of Spanish and Spanish-American civilization. Here the student should gain and organize information to serve as a background for teaching Spanish.

321G. The Modern Spanish Novel.

Three hours a week. Credit: three quarter hours.

A study of the Spanish novel of the nineteenth and twentieth centuries.

325. Conversational Spanish.

Three hours a week. Credit: three quarter hours.

Required of students specializing in Spanish.

Prerequisite: Spanish 125.

327G. Spanish Drama of the Golden Age.

Three hours a week. Credit: three quarter hours.

328G. Spanish Prose of the Golden Age.

Three hours a week. Credit: three quarter hours.

FOREIGN LANGUAGE EDUCATION

223. Methods of Teaching a Foreign Language.

Spring quarter. Three hours a week. Credit: three quarter hours.

320. Franco-Hispanic Civilization.

Three hours a week. Credit: three quarter hours.

Elective. No knowledge of foreign languages required. A course designed to give students other than French and Spanish majors an understanding and appreciation of foreign peoples through the study of French and Hispanic civilizations.

324. Observation and Student Teaching.

One quarter. Eighteen hours a week. Credit: twelve quarter hours.

GEOGRAPHY

Mr. Picklesimer, Mr. Cummings, Mr. Martin

Geography justifies its place in the curriculum on account of its practical utility and cultural value. The in-

struction in this department deals with the relations and adjustments of people to their environment. The courses offered here include several phases of the subject.

Students may choose Geography, as a major or minor for the A.B. degree. It is also possible to major in the Social Studies with special emphasis on Geography, for the B.S. degree. The course requirements for these curricula are announced elsewhere in this catalogue.

10. The Earth and Man.

Every quarter. Three hours a week. Credit: three quarter hours.

A prerequisite for all other courses in geography except 125, 310, and 330.

Geography 10 is the fundamental course of the department, being designed with two objectives in mind: first, to supply a background of factual material and principles of value to students; second, to establish certain facts and principles concerning regional possibilities as effected by various environmental conditions, both singly and in selected combinations upon which those planning additional work in the field of geography may build, leaving complete synthesis of these factors for future regional courses.

11. Human Geography.

Winter quarter. Three hours a week. Credit: three quarter hours.

In this course an attempt is made to show how man occupies and uses the land. The basis of approach is through types.

12. Economic Geography of the United States and Canada.

Spring quarter. Three hours a week. Credit: three quarter hours.

A study of the character of economic geography; the place and nature of agriculture; food resources; cereals, vegetables, fruits, animals, and fish; fundamentals of manufacturing; basic minerals, power; timbered areas and industries connected with the American forest; textile industries; leather and rubber; chemicals; mineral industries. Some instruction is given in the securing and presenting of geographic data.

110. Geography of North America.

Three hours a week. Credit: three quarter hours.

A detailed study of the major natural and cultural regions of the continent. This course should be especially valuable for fifth grade teachers and generally helpful to others seeking a geographical knowledge of their own continent.

112. Geography of Europe.

Three hours a week. Credit: three quarter hours.

This course includes a study of the location, area, relief, climate, and coasts of Europe. Emphasis is placed upon the operation of geographic factors in the movement and distribution of peoples in the continent; the origin and development of European civilization; and the economic and social development of European states.

113. Economic Geography of Foreign Countries.

Three hours a week. Credit: three quarter hours.

A study of the industrial and commercial activities of the leading countries of the world, as influenced by geographic conditions; international commercial problems; examination and use of geographic data.

120. Physiography.

Three hours a week. Credit: three quarter hours.

The unique feature of this course is the specific applications of general principles involved in the study of types, characteristics, constructional and destructional processes of mountains and a general description of human activities found in such areas.

125. Physical Geology.

Two lectures and two hours of laboratory work a week. Credit: three quarter hours.

This course includes a study of the origin of the earth, its geologic and physiographic features, and the forces active in modifying the rocks and surface features in present times. The student is taught to identify the common rocks. When possible a field trip is made into the Appalachian Mountains and the Great Valley.

126. Historical Geology.

Three hours a week. Credit: three quarter hours.

This course is designed for students who have had training in physical geology and are interested in the cultural

aspects of geology. It presents the spectacular geologic history of North America, together with a remarkable procession of vertebrates characteristic of this continent. Special attention will be given to the development of life during the various geologic periods.

160. Geography of Representative Regions.

Three hours a week. Credit: three quarter hours.

A detailed study of the principal economic activities of five or six regions in the middle and low latitudes in various parts of the world. Emphasis is placed upon types. The course is devised especially to assist grammar-grade teachers.

210. Geography of South America.

Three hours a week. Credit: three quarter hours.

A course on the racial, economic, and political aspects of South American geography. Special attention is given to trade relations between this continent and the leading industrial nations of the world.

211. Geography of Asia.

Three hours a week. Credit: three quarter hours.

This course is a study of the physiographic, climatic and human use regions of Asia. Japan, China, Russia, and India are studied in considerable detail.

212. Historical Geography of the United States.

Three hours a week. Credit: three quarter hours.

A study of some of the natural environmental conditions to which man has adjusted himself in the settlement and development of America. This course should be very helpful to teachers of geography, history, and the other social studies.

215. Geography of Africa.

Three hours a week. Credit: three quarter hours.

This is a continental study. In organization, it is similar to such geography courses as 110, 112, 210, and 211.

221. Educational Geography.

Credited as Education.

Three hours a week. Credit: three quarter hours.

Principles of selection, organization, and presentation of geographic materials on the various grammar-grade levels; illustrative geographic units; fundamentals of technique in

using maps, pictures, graphs, statistics, and other library materials in teaching geography. Some time is given to observation of geography teaching in the demonstration school.

230. Industrial Geography for Elementary Teachers.

Three hours a week. Credit: three quarter hours.

This course is especially designed to help elementary teachers to understand, and to interpret, the geography and the processing of the more or less commonplace products used by man. Sources of materials for teachers in service will be emphasized.

248. Physiography of North America.

Three hours a week. Credit: three quarter hours.

Stress is given to reasons for the broad subdivisions of the land, the contrasts in topography, and their influence upon people. North America is studied in detail and serves as a type procedure for similar work in other continents.

310. Conservation of Natural Resources.

Three hours a week. Credit: three quarter hours.

An intensive study of the conservation of the soil, minerals, forests, waterways and water power of the United States, based upon a careful consideration of the natural resources. Frequent reference is made to the resources of foreign countries. Attention is given also to the conservation and development of the resources of North Carolina.

315. Geography of Australia.

Three hours a week. Credit: three quarter hours.

In organization, this course is similar to the other continental studies of the department. The subject matter, however, is treated in greater detail and the work is more intensive.

320. Cartography.

Three hours a week. Credit: three quarter hours.

This course presents the knowledge necessary to intelligent map construction and interpretation. The various projections and their respective limitations are set forth as well as the methods and conventions of practical map making. Some attention is given to the construction of the physiographic diagram and to graphics.

330. Peoples of the Earth.

Credited as Education.

Three hours a week. Credit: three quarter hours:

The purpose of this course is to acquaint the primary teacher with subject matter of a geographic nature, together with appropriate teaching procedures, for children in grades one to four inclusive. Emphasis is likewise placed upon the seasonal needs of people in the home community and, with the gradual expanding of the child's horizon, the future teacher is shown how the geography of a few simple and distant areas may be handled.

410. Geography of World Problems.

Three hours a week. Credit: three quarter hours.

A study of current international problems in the light of their environmental setting. Emphasis is placed upon the following topics: geography and the evolution of nations; the expansion of Europe; European influence in world affairs; the British Empire and its many problems; geography and conflicting interests of the war-torn nations of Europe and Asia and their effects upon the United States.

420. Geography of Latin America.

Three hours a week. Credit: three quarter hours.

This course has a threefold purpose: first, to establish a better understanding and appreciation of the regions, countries, and products of Latin America; second, to survey the conditions that have retarded or promoted its progress; and, third, to point out the reciprocal relations between these areas and the United States in defense of the Western Hemisphere.

430. Readings in Geography.

Three hours a week. Credit: three quarter hours.

This is a course of carefully supervised readings and discussions in several phases of geography, and is intended both to broaden and intensify the student's interest in the subject.

440. Climatology.

Three hours a week. Credit: three quarter hours.

The first part of the course is devoted to a rapid and intensive survey of climatic controls. This is followed by a study of the various climatic environments found in different parts of the world. The student will be directed in compiling, graphing, and mapping climatic data and in interpreting the results.

450. Economic Geography of the South.

Three hours a week. Credit: three quarter hours.

A detailed study of the influences of geography on the development of the several regions of the American South. From the basis of physical complex, through economic products, are traced the lines of force that determine the life and labor of the contemporary South in Cotton Belt and Piney Woods, Delta and Southern Highlands, Industrial Piedmont and Texas Oil Fields, Sugar Bowl and Fishing Fringe, Rice Zone, and Florida subtropics.

460. Geography of the Orient.

Three hours a week. Credit: three quarter hours.

It is the purpose of this course to assist the student in understanding the geography of Eastern Asia in the light of the recent world conflict. The approach is through a study of race, political and social customs; regions and their commodities; and types of industry and commerce.

470. Problems in Regional Geography.

Three hours a week. Credit: three quarter hours.

The instruction in this course is largely centered about three phases of regional geography; first, the principles of regional delineation and interpretation; second, a careful study of a few types; and third, individual research on one or more regions, the number depending on the scope of the subject.

480. Problems in Economic Geography.

Three hours a week. Credit: three quarter hours.

Although emphasis is placed upon regional differentiation of economic life over the earth in a rather highly specialized manner, the approach is largely through a study of commodities and industries. Each student is expected to present a creditable paper on some commodity or industry, suitably illustrated with original maps, pictures, and appropriate graphs.

HEALTH AND PHYSICAL EDUCATION

**Mr. Jorgensen, Mr. Boone, Mr. Porter, Mr. DeShaw, Mr. Dole,
Miss Stallings, and Miss Tift**

The Department of Health and Physical Education is organized to offer the following types of training:

1. *General Program.*

A wide range of instructive and recreational activities is offered to meet the six quarter hours of course activity required of all students. The program is adapted to meet the varying needs, interests, and capacities of each individual participating.

2. *Competitive Program.*

- a. An *intramural* program supplements the curricular activities of Physical Education. Programs for both men and women are conducted for the benefit of those students desiring extra-curricular activity in this field. Seasonal sports predominate in this phase of the total program.
- b. An extensive *intercollegiate* athletic program is available for men students who excel in competitive sports. Sports included on this level are football, basketball, baseball, boxing, golf, and tennis.
- c. Through *playday* programs with other colleges and universities, the women have an opportunity to participate in field hockey, soccer, volleyball, basketball, badminton, and tennis.

3. *Professional Training Program.*

This department offers courses to meet the needs of all students desiring certification in the fields of public school teaching. A non-teaching degree is offered for those students who are interested in working in the field of recreation or with such organizations as the Boy Scouts, Girl Scouts, Camp-fire Girls, etc. Courses are also offered on the graduate level. A person desiring a Master of Arts degree must have the background necessary to fulfill the undergraduate requirements of a major or minor student in the field. Major emphasis on the graduate level is placed on work in the field of Education with a minor in Physical Education.

HEALTH

1. Personal Hygiene.

Each quarter. Three hours a week. Credit: three quarter hours.

Required of all students.

105. School and Community Hygiene.

Each quarter. Three hours a week. Credit: three quarter hours.

Required of all students.

223. Methods and Materials in Health Education for Secondary Schools.

Three hours a week. Credit: three quarter hours.

Required of all majors.

225. Safety Education and First Aid.

Three hours a week. Credit: three quarter hours.

Methods of caring for injuries and applying first aid to the injured.

244. Practices and Procedures in Health for Elementary Schools.

Winter Quarter. Three hours a week. Credit: three quarter hours.

This course deals with the current practices in health education for elementary schools, and gives a survey of the materials available for teaching health to children of the elementary level.

317. Principles of Health and Physical Education.

Three hours a week. Credit: three quarter hours.

The place of health and physical education in modern education: an analysis of its program in terms of development, adjustments and standards.

Prerequisites: P. E. 17 and Science 106, 107 and 231.

321G. Physiology of Exercise.

Three hours a week. Credit: three quarter hours.

The function of exercise and its effects upon the human body.

331G. Prevention and Care of Athletic Injuries.

Three quarter hours a week. Credit: three quarter hours.
Practical training in strapping, bandaging and use of special protective equipment in the diagnosis and treatment of athletic injuries.

PHYSICAL EDUCATION**Professional Training Courses****3. Games for Primary Grades.**

Three hours a week. Credit: one quarter hour.
Open to Primary and Grammar-Grade students.

4. Games for Elementary Grades.

Three hours a week. Credit: one quarter hour.
Open to Primary and Grammar-Grade students.

5. Fundamentals of Body Mechanics.

Three hours a week. Credit: one quarter hour.
A study of body mechanics as involved in sports and physical activities.

17. Introduction to Physical Education.

Three hours a week. Credit: three quarter hours.
The objective of the course is to acquaint students with the field of physical education.

101. Officiating.

Three hours a week. Credit: one quarter hour.
Discussion of rules and practical experience in officiating football, soccer, speedball, hockey, and boxing.

102. Officiating.

Three hours a week. Credit: one quarter hour.
Discussion of rules and practical experience in officiating basketball, volleyball, wrestling, and badminton.

103. Officiating.

Three hours a week. Credit: one quarter hour.
Discussion of rules and practical experience in officiating baseball, softball, track and field, and tennis.

114. The Coaching of Baseball.

Three hours a week. Credit: two quarter hours.
Rules, elemental mastery of positions and team play and methods of coaching baseball.

127. Playground and Community Recreation.

Three hours a week. Credit: three quarter hours.

A brief study of the history, importance and present status of school and community recreation.

134. Club Leadership.

Three hours a week. Credit: one quarter hour.

The organization and conduct of Boy Scout, Girl Scout, Camp Fire Girls, and Four-H Club work.

201. *Advanced Skill and Technique of Teaching Tennis, Social and Square Dancing.

Three hours a week. Credit: two quarter hours.

202(M). Advanced Skill and Technique of Teaching Wrestling, Boxing, Tumbling.

Three hours a week. Credit: two quarter hours.

202(W). Advanced Skill and Technique of Teaching Tumbling, Volleyball and Badminton.

Three hours a week. Credit: two quarter hours.

203(M). Advanced Skill and Technique of Teaching Speedball, Soccer, Volleyball and Badminton.

Three hours a week. Credit: two quarter hours.

203(W). Advanced Skill and Technique of Teaching Softball, Tap and Folk Dancing.

Three hours a week. Credit: two quarter hours.

204. Tutoring.

Three hours a week. Credit: one quarter hour.

Assignment to activity classes for training and experience in the actual conduct of class work.

210. The Coaching of Track and Field.

Three hours a week. Credit: two quarter hours.

Rules governing individual events and the conduct of meets. An elemental mastery of form and a study of methods of coaching the various events.

* Participation in the activity is a prerequisite to all advanced skill and technique of teaching courses.

211. The Coaching of Football.

Three hours a week. Credit: two quarter hours.

An analysis of position and team play, and methods of coaching football.

212. The Coaching of Girls' Basketball.

Three hours a week. Credit: two quarter hours.

Fundamental coaching and teaching procedures of girls' basketball.

213. The Coaching of Boys' Basketball.

Three hours a week. Credit: two quarter hours.

Rules, elemental mastery of position and team play, and methods of coaching basketball.

223. Methods of Teaching Physical Education.

Three hours a week. Credit: three quarter hours.

Methods of teaching Physical Education in the public schools. The state and proposed national objectives and requirements are stressed.

245. Practices and Procedures in Physical Education for Elementary Schools.

Spring Quarter. Three hours a week. Credit: three quarter hours.

301G. Tests and Measurements in Physical Education.

Three hours a week. Credit: three quarter hours.

A brief survey of the history of physical education tests with special emphasis upon the need for reliable measurements as a basis for the selection of activities in the physical education program.

341G. Recreation Leadership.

Three hours a week. Credit: three quarter hours.

Principles of organization, equipment and management of playgrounds and recreational centers.

401. Advanced Administration of Health and Physical Education.

Three hours a week. Credit: three quarter hours.

Principles of supervision and administration of health and physical education in local schools and the various duties of administrative officers.

411. Public School Curriculum of Physical Education.

Three hours a week. Credit: three quarter hours.

The formulation and evaluation of educational criteria used in the construction of a curriculum in physical education.

421. Current Problems in Health and Physical Education.

Three hours a week. Credit: three quarter hours.

Individual and group attack of current problems by intensive study of basic literature in the field of health and physical education.

431. Administration of Athletics.

Three hours a week. Credit: three quarter hours.

A study of factors entering into the administration of athletics in the average high school.

441. History of Physical Education.

Three hours a week. Credit: three quarter hours.

Special emphasis upon the various systems of physical education will be made.

451. Scientific Basis for P. E.

Three hours a week. Credit: three quarter hours.

Contributions of biology, psychology, sociology and physiology in the formulation of an integrated program of P. E.

461. Techniques of Research in P. E.

Three hours a week. Credit: three quarter hours.

Various techniques used in research in physical education such as historical, philosophical, questionnaire, job analysis, etc.

471. Safety in Physical Education.

The course deals with the various controls used in physical education to protect the health and safety of participants.

SERVICE COURSES*

2. Fundamentals of Rhythmic Activities.

13. Speedball and Soccer.

14. Elementary Basketball.

15. Softball.

* A gymnasium uniform is required of every student. For the men this shall be white shorts and a T-shirt. The women's official uniform may be purchased at the college book store.

- 21. Elementary Tennis.
- 24. Elementary Field Hockey.
- 25, 26, 27. Adapted Activities (Fall, Winter, Spring).
- 28. Elementary Football.
- 31. Elementary Boxing.
- 32. Elementary Wrestling.
- 41. Elementary Tumbling.
- 104. Archery.
- 105. Recreational Activities.
- 107. Tap Dancing.
- 108. Modern Dance.
- 111. Social Dancing.
- 112. Folk Dancing.
- 116. Badminton.
- 119. Volleyball.
- 120. Golf.
Laboratory fee announced at registration.
- 121. Advanced Tennis.
- 135, 136, 137. Adapted Activities (Fall, Winter, Spring).
All above courses three hours a week. Credit: one quarter hour.

FRESHMAN AND VARSITY SPORTS

- 51. Freshman Football.
- 61. Freshman Basketball.
- 71. Freshman Baseball.
- 81. Freshman Tennis.
- 91. Freshman Boxing.

- 94. Freshman Golf.
- 151. Varsity Football.
- 161. Varsity Basketball.
- 171. Varsity Baseball.
- 181. Varsity Tennis.
- 191. Varsity Boxing.
- 194. Varsity Golf.

Freshman and varsity sports require a minimum of one hour's practice per day.

Credit: one quarter hour.

HOME ECONOMICS

Mrs. Bloxton, Miss Dougherty, Miss Gaut, Miss Lacy, Miss Lambie,
Miss McGee, Miss Strawn, Miss Usry

The Home Economics Department is recognized by and receives assistance from the Federal Government as a center for the training of vocational teachers of Home Economics. Sequences of courses may also be adjusted to prepare a student for homemaking; for work in child care centers; for internship in hospitals approved by the American Dietetics Association; for extension service in home economics; and for institutional management.

All home economics courses are open to both men and women students who have completed the necessary pre-requisites.

TEXTILES AND CLOTHING

8. Textiles.

Three lectures and two laboratory hours a week.

Credit: four quarter hours.

Required of all candidates who major in home economics. Consideration of textile fibers and fabrics from the viewpoint of the consumer; characteristics, manufacture, and uses; simple analyses and home tests.

9. Clothing Selection and Construction.

One lecture and six laboratory hours a week.

Credit: four quarter hours.

Required of all candidates who major in home economics. The practical application of basic construction techniques, principles of selection, care and conservation of clothing. Prerequisite: Home Economics 8.

101. Clothing Clinic.

Three hours a week. Credit: three quarter hours.

Designed for those not majoring in home economics. How to plan, purchase, and care for a satisfactory wardrobe.

115. Costume Design.

Two lectures and two laboratory hours a week.

Credit: three quarter hours.

Required of all candidates who major in home economics. The application of art principles to the selection and designing of costumes according to current fashions and suitability to the individual.

Prerequisite: Home Economics 8, Art 15.

217. Clothing Selection and Construction.

One lecture and six laboratory hours a week.

Credit: four quarter hours.

Required of all candidates who major in home economics. More advanced techniques in clothing construction; experience in handling different types of fabrics and garments; pattern adaptation.

Prerequisite: Home Economics 9 and 115.

327. Advanced Clothing Construction.

One lecture and six laboratory hours a week.

Credit: four quarter hours.

Skills and techniques of clothing construction developed through problems in tailoring. Budgeting applied to the planning of a wardrobe.

Prerequisite: Home Economics 217, 115, and approval of instructor.

FOODS AND NUTRITION**2. Elementary Foods.**

One lecture period and four laboratory hours a week.

Credit: three quarter hours.

Required of all candidates who major in home economics.

This course deals with the composition, selection, and preparation of everyday foods. All preparation of food is done on a meal basis in unit kitchens. Students are given opportunity to use electricity, gas, and kerosene as fuels.

105. Elementary Nutrition.

Three hours a week. Credit: three quarter hours.

Required of all candidates who major in home economics. Open to any student.

A first course in nutrition to assist students in selecting adequate meals.

110. Foods.

One lecture period and four laboratory hours a week. Credit: three quarter hours.

Required of all candidates who major in home economics. This course includes the selection of food as to quality, nutritive value, and cost; the preparation and serving of meals for different occasions. A short unit of food freezing is given in this course.

Prerequisite: Home Economics 2.

224. Survey of Cookery.

One lecture period and four laboratory hours a week. Credit: three quarter hours.

Required of all candidates who major in home economics. This course consists of the preparation of various types of foods, the testing of standard recipes and their variations. The planning, marketing, preparing, and serving of nutritious and attractive meals are emphasized.

Prerequisites: Home Economics 2, Home Economics 110.

225. Nutrition.

Three hours a week. Credit: three quarter hours.

Required of all candidates who major in home economics. In this course the essentials of an adequate diet, the food needs for different ages and occupations, and the nutritive value of food materials are studied. Students make their menus for a specific group of students and the director, according to shares, in this class to use in the Home Management House.

Prerequisites: Science 207, Science 231, Home Economics 105, Home Economics 224.

310. Quantity Cookery.

One lecture period and eight laboratory periods per week.
Credit: five quarter hours.

Principles and practical application of large quantity food preparation with practice in the college cafeteria. Catering for various groups is also included.

314. Food Preservation.

One lecture period and four laboratory hours a week.
Credit: three quarter hours.

A study of the different methods of home preservation of foods. Intensive practical work in canning, dehydration, preserving, pickling, and jelly making is given. Home freezing of fruits, vegetables, and meats also included.

Prerequisites: Home Economics 224, Science 310.

325. Nutrition.

Three hours a week. Credit: three quarter hours.
Elective for home economics and science majors.

This course is a continuation of Home Economics 225. The aim of this course is to acquaint students with the work that is now being done in the field of nutrition, and to make practical application of this information.

Prerequisites: Home Economics 225, Science 309.

328. Nutrition in Disease.

Three hours a week. Credit: three quarter hours.

Elective for home economics and science majors who have had the necessary prerequisites. This course deals with the food requirements of people suffering from the more common diseases that are found in the average hospitals, as well as disorders due to inadequate diets that may be corrected at home.

Prerequisite: Home Economics 325.

329. Institution Management.

One lecture period and eight laboratory periods per week.
Credit: five quarter hours.

The study of organization and management problems in cafeterias, with the college cafeteria serving as the laboratory. The problems concerning planning and the use of equipment in relation to the needs of the various services.

HOME MANAGEMENT

204. Home Nursing.

One lecture period, two hours of laboratory in the college infirmary and two hours of practice work also in the college infirmary each week.

Credit: three quarter hours, and a Red Cross certificate in Home Nursing.

This course includes a study of the hygienic measures recommended for the home and for the community. Practical experience in the care of the sick is provided through the Red Cross Nursing Service and in the college infirmary. The laboratory work of this course is given by a registered Red Cross Nurse under the auspices of the American Red Cross.

127. Housing.

Three hours a week. Credit: three quarter hours.

Required of all candidates who major in home economics. The study of modern housing from the social, economic and artistic standpoints. Standards for housing and their relation to desirable home life are considered.

Prerequisite: Art 15.

128. Household Furnishings.

Three lectures a week. Credit: three quarter hours.

Required of all students who major in home economics.

A study of furnishings for homes of varying incomes. Emphasis is placed upon the application of art principles and desirable qualities in merchandise for the home.

Prerequisites: Home Economics 8, Home Economics 127, and Art 15.

219. Household Management.

Two lecture periods and two laboratory hours a week. Credit: three quarter hours.

Required of all students who major in home economics. This course is prerequisite to the residence in the Home Management House.

Such topics as budgeting of time and money, laborsaving equipment, factors that constitute household managerial ability, and how these are maintained under different social and economic situations are stressed.

226. Consumer Education.

Three lectures a week. Credit: three quarter hours.

Market organization and practices; standardization, labeling, and branding of commodities; consumer problems related to certain articles of clothing, household fabrics and non-textile merchandise.

Prerequisite: Home Economics 110.

319. Home Management House.

Credit: four quarter hours.

Units I and II are housed in the same building and are Required of all candidates who major in home economics. modern house, under the supervision of an instructor, for a period of ten weeks. This course aims to develop ideals and standards of good living.

Unit II. A group of four seniors live in an apartment simply furnished, on a lower income level than Unit I. Units I and II are house in the same building and are run simultaneously. Opportunity is given for each student to have experience in both units.

Prerequisites: Home Economics 219, 224, 225.

THE CHILD

230. Child Development.

Three hours a week. Credit: three quarter hours.

This course considers the care of the mother before the birth of a child as well as the care of an infant during and after birth. A study is also made of the food, clothing, and nursery needs of the child. Good physical, mental, social, and emotional development as it is affected by home environment is considered. Observation is made of the development of children in the nursery school.

Prerequisites: Psychology 103 and Science 231.

Open to all students with proper prerequisites.

231. The Nursery School Child.

Six laboratory hours a week. Credit: three quarter hours.

Required of all candidates who major in home economics.

This course gives the student an opportunity to learn about the physical, mental, emotional, and social growth of children of nursery school age through observation, and participation in nursery school, and discussion.

To be taken paralleling Home Economics 330.

330. Child Guidance.

Three lecture periods a week. Credit: three quarter hours.

Required of all candidates who major in home economics.

This course considers the fundamentals of child behavior and guidance. The varying circumstances and activities which surround the normal growth of children are discussed. Each student has an opportunity to plan and work out special projects as well as daily activities for young children. Opportunity is presented to work with the parents of young children.

HOME ECONOMICS EDUCATION

223. Methods of Teaching Home Economics.

Three hours a week. Credit: three quarter hours.

Required of all candidates who major in home economics. An application of the fundamentals of education to home economics instruction. The selection of problems, their presentation, and the use of objective materials is considered. Visits to home economics departments and observations of classes are made.

318h.e. Apprenticeship in Vocational Home Economics.

Every quarter. Credit: three quarter hours.

To be taken by all home economics students during the quarter in which they do student teaching. Work is done under the direction of supervisor and supervising teacher in their student teaching center. Discussions will be based on observation and participation in the activities of the homemaking and school programs.

323. Vocational Home Economics Education.

Three hours a week. Credit: three quarter hours.

Consideration is given to development of home economics in state and national programs of vocational education, to requirements and qualifications of vocational home economics teachers, to approved methods in home project supervision, teaching boys' classes, third year home economics, and adult or other out-of-school groups.

Prerequisite: Home Economics 223.

324. Observation and Student Teaching.

Every quarter. Eighteen hours a week for twelve weeks. Credit: twelve quarter hours.

Required of all candidates who major in home economics. Observation and participation in the vocational home economics program of the Greenville and other High Schools in Pitt and surrounding counties.

INDUSTRIAL ARTS

Mr. Bing

Mr. Powell

11. Engineering Drawing (Formerly Mechanical Drawing 11).

Fall and Winter Quarters. Six hours a week. Credit: three quarter hours.

This course includes a careful study of drafting instruments and their proper use and care, multi-view projection, sections, auxiliary views, dimensioning, technical sketching, and vertical lettering.

1. General Shop.

Every Quarter. Six hours a week. Credit: three quarter hours.

A general survey course in the industrial arts involving a study of some of the common tools, materials, products, and processes of industry. Manipulative work includes experience in the basic areas of woodwork, metalwork, electricity, and drawing.

12. Engineering Drawing (Formerly Mechanical Drawing 12).

Winter and Spring terms. Six hours a week. Credit: three quarter hours.

A continuation of Engineering Drawing 11. It includes isometric and oblique projection, fasteners, shop processes, detail and assembly working drawings, reproduction of drawings, and inclined lettering.

Prerequisite: Engineering Drawing 11.

20. Descriptive Geometry.

Spring Quarter. Six hours a week. Credit: three quarter hours.

For Pre-engineering students. This course is intended to give the student a more complete grasp of the principles of projection. It includes reference systems, the representation of points, lines, and planes in space, together with their projections on the reference planes. True distance and angles, interpenetrations, sections, revolutions, and developments are also covered.

Prerequisite: Engineering Drawing 12.

101. Industrial Crafts.

Six hours a week. Credit: three quarter hours.

Units in fabricating plastic articles, designing and tooling leather projects, art metal repousse, forming, etching, and chip carving. A study is made in each area relating to the industrial background, tools, equipment, and sources of supply.

113. Engineering Drawing.

Six hours a week. Credit: three quarter hours.

A study of machine fastenings such as bolts, screws, rivets,

and keys, that are used in good construction. Sketches and scale drawings of small machine parts are made.
Prerequisite: Engineering Drawing 12.

121. Woodwork (Formerly Woodworking 21).

Fall and Winter Quarters. Six hours a week. Credit: three quarter hours.

A basic course in hand woodwork intended to develop understanding, appreciation and skill in the use and care of woodworking tools and materials. A series of useful projects is planned, constructed, and finished. Related information is studied and discussed.

122. Woodwork (Formerly Woodworking 22).

Winter and Spring Quarters. Six hours a week. Credit: three quarter hours.

A continuation of Woodwork 121. Simple pieces of furniture are planned, built and finished, using hand and machine tools. Stress is laid on hand tool skills, good design, proper construction and practical, durable finishes.

Prerequisites: Woodwork 121 and Engineering Drawing 11.

130. General Mechanical Drawing.

Six hours a week. Credit: three quarter hours.

A course intended to present mechanical drawing as a general educational subject. To develop the power of visualization, strengthen the constructive imagination, and teach how to read and write the language of industry. Not for Industrial Arts Majors or Minors.

140. Industrial Design.

Three hours a week. Credit: three quarter hours.

A study of the principles of structural design, contour and surface enrichments, and the use of color, as applied to industrial arts projects in wood, metal, leather, and plastics. Prerequisites: Engineering Drawing 11 or General Mechanical Drawing 130.

157. General Metals.

Six hours a week. Credit: three quarter hours.

A course giving fundamental experiences in the areas of sheet metal, ornamental art metal, bench metal and machine metalwork. Operations in bending, drilling, riveting, chipping, filing, soldering, welding, polishing, seaming, finishing and tap and die work are introduced. Projects are constructed from iron, steel, copper, brass and other metals. Prerequisites: General Shop 1 and Engineering Drawing 11.

158. Machine Shop Practice.

Six hours a week. Credit: three quarter hours.

A course in standard machine tool operation. The processing of metal with the screw-cutting engine lathe, shaper, drill press, plain milling machines, power hack saw, and surface grinder. An individual project is machined by the student.

Prerequisite: General Metals 121.

211. Architectural Drawing.

Six hours a week. Credit: three quarter hours.

A study of the history of architecture, the world's foremost architects, building materials, architectural lettering, and the design and construction of small buildings. Field trips are made to investigate methods of building construction.

Prerequisite: Engineering Drawing 12.

212. Architectural Drawing.

Six hours a week. Credit: three quarter hours.

A continuation of Architectural Drawing 211 with emphasis on the drafting of building plans, plot plans, methods of financing, specifications, and field trips to study types of architecture and building methods.

Prerequisite: Architectural Drawing 211.

215. Machine Woodwork.

Six hours a week. Credit: three quarter hours.

A study of furniture design and construction through the use of hand and power tools. Emphasis is placed on the safe operation of woodworking machines, mass production methods, and shop management.

Prerequisite: Engineering Drawing 11 and Woodwork 122.

220. Plastics.

Six hours a week. Credit: three quarter hours.

A course in designing, making and polishing useful and beautiful projects from the various types of plastics.

223. Teaching Content and Methods in Industrial Arts.

Three hours a week. Credit: three quarter hours.

A study of objectives in industrial arts and the methods of their attainment: analysis of subject matter fields, and the selection of teaching or learning units; preparation and use of job assignment sheets and visual aids; teaching of skill and related information; construction and use of

objective tests; marking and grading shop work, and classroom management.

Prerequisites: General Shop 1, Drawing 12, and Machine Shop Practice 158 or consent of instructor.

224. Organization and Administration of Industrial Arts.

Three hours a week. Credit: three quarter hours.

A study of the types of industrial arts shops, the selection, purchase, arrangement, use and care of equipment and supplies; costs, records, inventories and reports.

Prerequisites: General Shop 1, Drawing 12, Machine Shop Practice 158 or consent of instructor.

225. History and Philosophy of Industrial Education.

Three hours a week. Credit: three quarter hours.

A study of the history and philosophy underlying present day industrial education; theory and trends of practical education in a democracy especially as applied to industrial arts.

Prerequisites: Teaching Content and Methods in Industrial Arts 228, and Organization and Administration of Industrial Arts 224, or consent of instructor.

230. Leather Work.

Six hours a week. Credit: three quarter hours.

This course includes the designing, cutting, tooling and lacing of leather articles such as key cases, bill folds, purses, book covers, etc. Emphasis is placed upon the history and manufacture of leather, the kinds of leather, and the tools and equipment used in its fabrication.

245. Industrial Arts for Elementary Teachers.

Six hours a week. Credit: three quarter hours.

A practical course in the use of tools and materials, intended to give training in some of the simple crafts which will help in interpreting and vitalizing the many fields of instructional content in the elementary grades.

255. Woodturning.

Six hours a week. Credit: three quarter hours.

A study of lathe operation, tool techniques, spindle, face plate, and chuck turning as applied to the construction of useful projects.

Prerequisites: Engineering Drawing 11 and Woodwork 121.

259. Machine Shop Practice.

Six hours a week. Credit: three quarter hours.

A course for those planning to teach machine shop in the secondary schools or for those desiring technical experience. Includes advanced operations in metal processing on standard machine tools with stress on skills and techniques in forging, heat treating, welding and precision measurement. A variety of tool making projects are machined by the student.

Prerequisite: Machine Shop Practice 158.

301. Care and Maintenance of Shop Equipment.

Six hours a week. Credit: three quarter hours.

Practice in sharpening edge tools, fitting hand and circular saws, cleaning and repairing motors and other electrical equipment, care and upkeep of machine tools, benches and cabinets, and general supervision of all industrial arts equipment.

Prerequisite: Senior standing or consent of advisor.

310. Industrial Arts Electricity.

Six hours a week. Credit: three quarter hours.

It is the purpose of this course to provide students with a knowledge of basic principles and applications of electricity in the home, on the farm, and in industry. Emphasis on magnetism, wiring circuits, battery connections and testing, communications; and heat, light, and power from electricity.

325. Welding and Forging.

Six hours a week. Credit: three quarter hours.

Instruction in the use of oxy-acetylene and electric welding equipment. Practice in annealing, tempering, case hardening, welding and cutting of metals, with emphasis on safety.

Prerequisite: Machine Shop Practice 158.

350. Special Problems in Industrial Arts.

On demand. Time to be arranged. Credit: three quarter hours.

Individual study in selected areas. Includes related study, research, and organization of instructional materials in crafts, woods, metals, electricity, and drafting. Open to senior students on consent of advisor.

LIBRARY SCIENCE**Mr. Smiley, Miss Walker****201, 202, 203. Administration of School Libraries and Organization of Materials.**

Nine quarter hours.

Designed to help librarians in training to develop the understandings, attitudes, skills, and information necessary for leadership in a program of library service that will contribute to the realization of educational objectives. Includes study of acquisition, organization, housing and uses of all types of materials of instruction.

218. Principles of Book Selection.

Three quarter hours.

The object of this course is to cultivate the ability to select the literature best adapted to the varying needs of the pupil through a study of underlying principles and problems through practices of approved methods. The work consists of reading, examining and reviewing books representative of the application of these principles and problems; a critical study of the principal aids to book selection as tools for practical use in the library; practice in the writing of book notes; the checking of current book lists; discussion of American publishers, and study of editions. Lectures and discussion groups.

220. Book Selection for the Elementary School.

Three quarter hours.

A course in the selection and evaluation of books for the elementary school library, use of various aids, and the examination and reading of books for children with emphasis on the requirements of the North Carolina course of study. The work includes compiling special lists, writing annotations, selecting books for special uses typical of school needs, and practicing promotion of their use through the development of desirable public relations.

222. Book Selection for the High School.

Three quarter hours.

A course in book selection for the high school library, including the study of various lists and other aids, the examination of suitable titles, both classic and modern, a study of the reading needs of high school students, and preparation for promoting the use of books to meet these needs.

303. School Library Reference Materials.

Five quarter hours.

Considers the library as an information center; the evaluation of reference materials; general tools, materials in subject fields, and the use of the general collection for reference. Attention is given to the methods of teaching the use of these materials to students.

322. Observation and School Library Practice.

Five quarter hours.

One recitation and ten hours of library practice work a week for one quarter. Library practice in the Training School and High School libraries designed to give the prospective school librarian experience in many aspects of school library service, including organization of materials and their use with teachers and pupils.

401-402. Reference and Bibliography.

Three hours a week for two quarters. Credit: six quarter hours.

The aims of these courses are to familiarize students with the principles of reference work and with the selection and use of basic bibliographic and reference books, public documents, periodicals and periodical indexes. Extensive practice is given in the selection of reference and bibliographic materials for school libraries.

431-432. Cataloging and Classification.

Three hours a week for two quarters. Credit: six quarter hours.

The objectives of these courses are to teach students (1) to classify and assign subject headings to school library materials, (2) to write bibliographic data—e.g. author's names—in correct form, (3) to make and maintain a catalog and a shelf list, including the correct filing of cards in each, and (4) to order printed catalog cards. The work will be carried on through class discussion, projects and laboratory work.

MATHEMATICS

Mr. Scott, Mr. Reynolds, Miss Caldwell

Miss Williams, Mr. Krausnick

42. Arithmetic for Elementary Majors.

Fall and Spring quarters. Three hours a week. Credit: three quarter hours.

Required of primary and grammar-grade majors.

This course is designed to develop speed and accuracy in computation with whole numbers and both decimal and common fractions, and the ability to analyze and solve problems that the intelligent citizen meets in the home and business.

46, 47. General College Mathematics.

Three hours a week. Credit: three quarter hours each.
46 Fall, Winter, Spring Quarters. 47 Winter Quarter.

A terminal course in general mathematics for those who do not expect to continue the study of this subject. It is designed to give as broad a view as possible of the field of elementary mathematics and some insight into its significance as a form of systematized reasoning.

51, 52. Business Mathematics.

Three hours a week. Three quarter hours each.

51 Fall and Winter Quarters. 52 Winter and Spring Quarters.

This course is primarily for business education majors but may be taken by any student who is interested. The topics include: computation, percentage, simple and compound interest, discount, logarithms, annuities, bonds.

Prerequisite for course 52; Either 51 or 42.

57, 58. Plane Trigonometry.

Winter and Spring Quarters. Three hours a week. Credit: three quarter hours each.

Required of mathematics majors.

The course includes the derivation and use of formulas, solution of the right triangle with the natural and logarithmic functions, solution of oblique triangles, functions of any angle, functions of two or more angles, inverse functions, and practical applications.

57 is a prerequisite for 58.

59. Solid Geometry.

Spring quarter. Three hours a week. Credit: three quarter hours.

Open only to students who do not have high school credit in this course.

60, 61. College Algebra.

Fall and Winter quarters. Three hours a week. Credit: three quarter hours each.

Required of mathematics majors.

A rapid review of high school algebra is given; also a study of systems of quadratic equations, functions, graphs, complex numbers, progressions, permutations, and combinations, probability, theory of equations, binomial theorem, mathematical induction, and determinants.

121, 122. Plane Analytic Geometry.

Fall and Winter quarters. Three hours a week. Credit: three quarter hours each.

Prerequisite: Mathematics 57, 58, 59, 60, and 61.

136. Arithmetic for Elementary Majors.

Spring quarter. Three hours a week. Credit: three quarter hours.

Required of primary and grammar-grade majors.

The course is devoted to the study of percentage and its applications.

Prerequisite: Mathematics 42.

162. Advanced Algebra.

Three hours a week. Credit: three quarter hours.

Required of mathematics majors and minors.

In this course the student is taught what is meant by a rigorous algebraic proof. Emphasis is laid on the concept of limit. Convergence of infinite series is studied. The course is a preparation for the elementary differential and integral calculus. It is also a finishing course for the thorough understanding of elementary algebra.

Prerequisite: Mathematics 61.

210. Teaching of Grammar-Grade Arithmetic.

Three hours a week. Credit: three quarter hours.

Required of grammar-grade majors.

The course consists of a professional treatment of the subject matter of arithmetic for the grammar grades. Modern methods of teaching grammar-grade arithmetic are presented through a study of recent publications on the subject. The course also includes observations of the grammar grades in the laboratory school.

Prerequisite: Mathematics 42 and 136.

212. Teaching of Primary Arithmetic.

Three hours a week. Credit: three quarter hours.

Required of primary majors.

It is the purpose of this course to present the most modern methods of teaching primary arithmetic. The course consists of a study of the latest publications and courses of

study in primary arithmetic, together with the findings of experimentation in the field of primary number work. The course also includes frequent observations in the laboratory school.

Prerequisite: Mathematics 42.

213, 214, 215. Differential and Integral Calculus.

Fall, winter, and spring quarters. Three hours a week. Credit: three quarter hours each.

Prerequisite: Mathematics 121 and 122.

223. Teaching of Secondary Mathematics.

Spring quarter. Three hours a week. Credit: three quarter hours.

A study of the teaching objectives of secondary mathematics, organization of content, general and specific teaching techniques, testing, and the observation of teaching.

232, 233. College Geometry.

Winter and Spring quarters. Three hours a week. Credit: three quarter hours each.

Required of mathematics majors.

The course includes a study of geometric construction, similar and homothetic figures; properties of the triangle including the circum-circle, medians, bisectors, and altitudes; transversals, harmonic properties of circles, and inversion. Many miscellaneous theorems and exercises are presented for solution.

Prerequisite: Mathematics 121 and 122.

255. Mathematics of Finance.

Winter quarter. Three hours a week. Credit: three quarter hours.

This course deals with the mathematical theory of investment. Special attention will be paid to the development of the annuity formulas. Topics included are: Depreciation, amortization, life annuities and life insurance.

Prerequisite: Mathematics 52, or consent of the instructor.

272. Field Work in Mathematics.

Spring quarter. Three hours a week. Credit: three quarter hours.

The purpose of the course is to teach the significance and the use of the slide rule, plane table, level, sextant, and the transit through participation in activities involving the utilization of these instruments.

Prerequisite: Mathematics 57 and 58, or 156.

300G. Introduction to Graduate Mathematics.

Fall and summer quarters. Three hours a week. Credit: three quarter hours.

Required of Master's degree candidates who wish to minor in mathematics. To be taken at the beginning of graduate work in mathematics.

The aim of this course is to bridge the gap between undergraduate and graduate mathematics. Proof of the fundamental rules of algebra are given. Emphasis is laid on rigor, giving more meaning to the theorems in plane analytic geometry, trigonometry, and the calculus. Properties of different mathematical systems are studied with applications from undergraduate mathematics. The course is expected to give a better understanding of modern mathematics.

Prerequisite: a major or a minor in undergraduate mathematics or consent of the instructor.

318. History of Elementary Mathematics.

Fall quarter. Three hours a week. Credit: three quarter hours.

Required of mathematics majors.

The course is designed to give a general view of the development of the elementary branches of mathematics: arithmetic, algebra, synthetic and analytic geometry, trigonometry, and calculus.

Prerequisite: Mathematics 213, 214, and 215.

322G. a.b.c. Laboratory Apprenticeship Mathematics.

Fall, winter, and spring quarters. Credit: three quarter hours each.

Open to mathematics majors only.

324. Observation and Student Teaching.

One quarter. Eighteen hours a week. Credit: twelve quarter hours.

Required of mathematics majors.

342G. Introduction to Statistics.

Three hours a week. Credit: three quarter hours.

A first course in statistics dealing with such topics as measures of central tendency and variability, zero order correlation, norms, percentile and moment systems, graphic representation, simple work with frequency distribution, and the use of tables of the normal distribution in simple problems. The practical applications of these topics will be stressed.

357G. Introduction to Modern Mathematics.

Winter quarter. Three hours a week. Credit: three quarter hours.

This course presents some of the elementary problems of modern mathematics. Emphasis is placed on an understanding of the basic concepts rather than computation. Such topics as the following are considered: Non-Euclidean geometries; number systems; elementary geometry of space of four dimensions; complex and hypercomplex numbers.

365G. Introduction to Number Theory.

Fall quarter. Three hours a week. Credit: three quarter hours.

An elementary course in the theory of rational integers, divisibility, simplest properties of prime numbers, Diophantine equations, congruences, and quadratic residues.

371-372G. Theory of Equations.

Three hours a week. Credit: three quarter hours.

A study of complex numbers, roots, geometric construction, cubic and quartic equations, graphs, isolation of real roots, solution of numerical equations, determinants, and symmetric functions.

Prerequisite: Mathematics 213, 214, and 215.

Formerly 425-426S.

400a.b.c. Seminar.

Three quarters. Two hours a week. Credit: six quarter hours.

Required of students writing theses in the field of the teaching of mathematics.

401. Foundations of Arithmetic.

Summer quarter. Three hours a week. Credit: three quarter hours.

For grammar-grade and elementary majors.

In this course the foundations of arithmetic are critically examined with a view of reaching a more thorough understanding of the subject.

432, 433. Differential Equations.

Fall quarter. Three hours a week. Credit: three quarter hours.

A study of ordinary differential equations of the first and second orders, and their application to elementary mechan-

ics, with emphasis on geometric interpretations and application.

Prerequisite: Mathematics 213, 214, and 215.

442. Advanced Calculus.

Spring quarter. Three hours a week. Credit: three quarter hours.

The study of the definite integral as a sum and its applications, partial derivatives, development in series, and multiple integrals.

Prerequisite: Mathematics 213, 214, and 215.

443. Solid Analytic Geometry.

Three hours a week. Credit: three quarter hours.

A study of co-ordinate geometry in space: the point, the line, the plane, surfaces of revolution, the quadric surfaces.

Prerequisite: Mathematics 213, 214, and 215.

455. Readings and Research in the Teaching of Arithmetic.

Fall quarter. Three hours a week. Credit: three quarter hours.

A study of the field of literature relating to the field of the teaching of arithmetic, with special emphasis on educational research in the teaching of arithmetic.

456. Readings and Research in the Teachings of Secondary Mathematics.

Winter quarter. Three hours a week. Credit: three quarter hours.

A study of educational literature relating to the field of the teaching of secondary mathematics with special emphasis on research in this field.

462. Problems in Mathematics Education.

Winter quarter. Three hours a week. Credit: three quarter hours.

A laboratory course designed for the study of problems in the field of mathematics education relative to specific schools or school systems in which the student is employed or otherwise vitally interested.

471. Modern Algebra.

Three hours a week. Credit: three quarter hours.

A course dealing with certain fundamental aspects of mod-

ern Algebra. Topics studied are groups, rings, fields, and matrices.

Prerequisite: Theory of Equations.

483. Higher Plane Curves.

Three hours a week. Credit: three quarter hours.

A study of the development of the equations of certain higher plane curves, together with a study of the nature and significance of these curves.

Prerequisite: Mathematics 213, 214, and 215.

AIR SCIENCE AND TACTICS

BASIC COURSE

Every Quarter. Four hours per week. (Three hours classroom and one hour drill). Credit: two quarter hours. Courses are not required to be taken in numbered sequence.

Air Science & Tactics I (Two Quarters).

Ia.

Maps & Aerial Photographs
Personnel Management & Military Psychology
Military Organization
Military History & Policy of the United States
Leadership, Drill, & Exercise of Command

Ib.

Geographical Foundations of National Power
First Aid & Hygiene
Evolution of Warfare
Military Problems of the United States
Military Demobilization and Mobilization
Leadership, Drill, & Exercise of Command

Air Science & Tactics II (Two Quarters).

IIa.

Aerodynamics and Propulsion
Weather and Navigation
Applied Air Power
Leadership, Drill, & Exercise of Command

IIb.

Administration of the U. S. Air Force (Major Field of Study)
Leadership, Drill, & Exercise of Command

ADVANCED COURSE

Five hours per week (one hour drill). Three quarter hours credit.

Air Science & Tactics III (Three Quarters).

IIIa.

Air Operations
Psychology of Leadership
Leadership, Drill, & Exercise of Command

IIIb.

Logistics
Air Force Administration & Supply
Leadership, Drill, & Exercise of Command

IIIc.

Air Force Administration & Supply
Leadership, Drill, & Exercise of Command

Air Science & Tactics IV (Three Quarters).

IVa.

Air Force Management
Leadership, Drill, & Exercise of Command

IVb.

Military Teaching Methods
Leadership, Drill, & Exercise of Command

IVc.

Air Force Administration & Supply
Leadership, Drill, & Exercise of Command.

The advanced course is open to students who have completed the basic course and student veterans who have one year or more of military service. Advanced students complete an Air R. O. T. C. Summer School at an Air Force Base, normally between courses III and IV, before being awarded Commissions. Meals, Quarters, Medical Care, Transportation to and from the school, and \$75.00 per month are provided by the Air Force while the student is attending this Summer School.

ACADEMIC STATUS OF COURSES IN AIR SCIENCE AND TACTICS

The work in Air Science and Tactics may be completed in a total of ten quarters. A total of twenty-six quarter hours credit will be allowed for completion of the entire course; two quarter hours credit will be given for each of the four quarters in basic and three quarter hours for each of the six quarters in advanced. Twelve of these credits may be substituted as follows: three from social studies, three from geography, six from physical education, and the other fourteen from free electives if such free electives are available.

Students desirous of becoming candidates for the degree of Master of Arts are advised to become acquainted with all prerequisite requirements for this degree before making any substitutions.

MUSIC EDUCATION

**Mr. Willmann, Mr. H. Carter, Mr. R. Carter, Miss Drake, Miss
Chauncey, Mr. Gilbert, Miss Kuykendall, Mr. Vornholt,
Mr. Perry, Miss Reichard**

The purpose of the Department of Music Education is fourfold:

1. To meet the needs for competent Vocal and Instrumental Teachers of Music in the State of North Carolina and its surrounding territory. This need will be met by presenting, to students with a native musical talent, a complete and well-rounded curriculum in Music Education.
2. To meet the music needs of students majoring in one of the fields of Elementary Education.
3. To meet the music needs of students majoring in one of the academic fields and desiring to minor in music.
4. To meet the music needs of all students who desire to broaden their cultural background through the arts.

Each Music Education Major is required to select one performing medium as his principal performing medium. This may be piano, voice, violin, or any other string, woodwind, or brass instrument. He will study in private

instruction this medium throughout his four years in college or until he has reached the standard of proficiency required for graduation which is a high quality of solo and ensemble performance.

Each Music Major or Minor is required before graduation to demonstrate his ability to play the piano with at least the following degree of proficiency: Third grade music and community songs in a musical manner, simple accompaniments, transpose easy pieces, and harmonize easy melodies at the keyboard. The student who does not have this ability upon entering college is to begin his piano study as soon as possible. A much higher degree of proficiency at the piano than the minimum required will be found of inestimable value by the school music teacher.

Each Music Major or Minor is required before graduation to demonstrate his ability to sing accurately as to pitch and rhythm in an acceptable voice.

The entrance requirements in the principal performing medium consists of one of the following, depending upon the medium selected:

1. Voice. An acceptable voice and the ability to sing accurately as to pitch and rhythm.
2. Piano. Major and minor scales. Czerny, Op. 636; Burgmuller, Op. 100; Hanen studies; Sonatinas by Clementi and Kuhlau; easier pieces of Handel, Schumann, etc.
3. Instruments. A fundamental knowledge of the instruments. Acceptable tone production, intonation, and rhythmic feeling. Elementary scale work, simple technical work, and at least two easier solos.

All music majors will be given placement examinations—piano, voice, or instrument, and talent tests—on entering college. Students not ready to meet the requirements in the principal performing medium will have to take preparatory work without credit. Credit will be granted the quarter following the student's successful completion of the preparatory work.

The requirements for graduation with piano as the principal performing medium are: Major and minor

scales, good speed, arpeggios, triads, dominant sevenths, diminished sevenths. Czerny, Op. 299. Bach two-part inventions. Sonatas by Haydn and Mozart and easier Beethoven sonatas. Pieces by Grieg, Mendelssohn, Chopin, etc. Work in transposition, sight-singing, and accompanying.

The requirements for graduation with voice as the principal performing medium are: Student must be able to sing acceptably in artistic fashion solo songs from the Classic Literature, and sing acceptably in an artistic manner music of the Madrigal School and of modern composers. They must also be able to sing at sight in an accurate and artistic manner rote songs for elementary grades.

All music majors are required to belong to one organization each quarter throughout all four years. No credit can be granted for this participation.

MUSIC THEORY

10. Theory.

Fall and Spring quarters. Three class recitations and two laboratory hours a week. Credit: four quarter hours each. This course is designed to give the prospective teachers a practical knowledge of the rudiments of music through the music suitable for their teaching. Designed for primary and grammar-grade majors.

11a.b.c. Harmony and Keyboard Harmony I (Division of former Music 11a.b.c.)

Fall, winter, and spring quarters. Three hours a week. Credit: three quarter hours each quarter.

Writing and playing melodies and scales; duets and intervals; triads and seventh chords and their inversions; chord construction and sequences in relation to rhythm and form; simple modulations; the harmonization of melodies, and some original work.

These courses must be taken serially. Required of Music majors and minors.

21a.b.c. Sight Singing and Dictation (Division of former Music 11a.b.c.)

Fall, winter, and spring quarters. Three laboratory hours a week. Credit: one quarter hour each quarter.

Sight singing and dictation of melodic material in major and minor keys and various rhythms; interval drills; introduction of chromatics. The student should be able to read at sight by the completion of the course the materials for Grades VI to VIII and should be able to carry successfully any part assigned in part singing at this level of difficulty. These courses should be taken serially. Required of Music majors and minors. To be taken concurrently with Music 11 a.b.c.

111a.b.c. Harmony and Keyboard Harmony II (Former Music 110a.b.c).

Fall, winter, and spring quarters. Three hours a week. Credit: three quarter hours each quarter.

Further study of modulation; ninth, eleventh, and thirteenth chords; chromatic harmony; the whole tone scale, atonality, and polytonality. Some original work. This work is carried on both at the keyboard and in writing. These courses must be taken serially. Required of Music majors and minors.

Prerequisite: Music 11a.b.c.

121a.b.c. Sight Singing and Dictation.

Fall, winter, and spring quarters. Three laboratory hours a week. Credit: one quarter hour each quarter.

This is an advanced course developing the ability to read at sight music containing difficult intervals and rhythms, chromatic harmonies and modulations, independent singing including two, three, and four parts. This course is also devoted to the writing from dictation of more difficult melodies, intervals and chord phrases.

Required of Music majors. To be taken concurrently with Music 111a.b.c respectively.

Prerequisite: Music 21c.

311a. Counterpoint I.

Fall quarter. Two hours a week. Credit: two quarter hours.

Counterpoint in two parts, analysis of two part contrapuntal compositions, and two part original work.

Required of Music majors.

Prerequisite: Music 11a.b.c.

311b. Counterpoint II.

Winter quarter. Two hours a week. Credit: two quarter hours.

Counterpoint in three and four parts, analysis of contrapuntal compositions, and original work.

Required of Music majors.

Prerequisite: Music 311a.

312. Form and Analysis.

Spring quarter. Two hours a week. Credit: two quarter hours.

A study of the formal design and harmonic structure of simple and complex music compositions ranging from the simplest folk songs and early dance forms to compositions of symphonic proportion. The work is done by studying scores, compositions at the keyboard, and recordings.

Required of Music majors.

Prerequisite: Music 111abc.

313a. Instrumentation and Arranging I (Former Music 313 is a part of this course).

Fall quarter. Three hours a week. Credit: three quarter hours.

A study of the range, tone quality, and technical possibilities of all instruments used in the orchestra and the band.

Transposition, substitution of instruments in small school organizations, and arranging for small ensemble and the string orchestra.

Required of Music majors.

Prerequisite: Music 111abc.

313b. Instrumentation and Arranging II.

Winter quarter. Three hours a week. Credit: three quarter hours.

A further study of the possibilities of orchestra and band instruments as used in scores, arranging for small orchestras, symphonic orchestras, and bands. Special attention is given to arranging for school music organizations.

Required of Music majors.

Prerequisite: Music 313a.

314. Advanced Theory.

Winter quarter. Three hours a week. Credit: three quarter hours.

The application and tying together of all previous theory through original work in various musical forms for solo and ensemble combinations. Creative work is stressed in this course.

Prerequisite: Music 111c.

106a. Musical Literature and Its Historical Development.
(Formerly Music 106).

Fall quarter. Three hours a week. Credit: three quarter hours.

A survey of the musical literature of the Baroque, Classic and Romantic periods, with a detailed study of the outstanding composers in each period and their works. Modern trends.

Required of and open to Music majors and minors only.

106b. Musical Literature and Its Historical Development.
(Formerly Music 107).

Winter quarter. Three hours a week. Credit: three quarter hours.

Historical background of the Baroque, Classic and Romantic periods beginning with the musical expressions of ancient nations and including the development of vocal and instrumental forms.

Required of and open to Music majors and minors only.

106c. Musical Literature and Its Historical Development.
(Formerly Music 108).

Spring quarter. Three hours a week. Credit: three quarter hours.

A musical background leading to and including the development of oratorio and opera and other large vocal forms.

Required of and open to Music majors and minors only.

206. Music Appreciation. (Formerly Music 306).

Every quarter. Three hours a week. Credit: three quarter hours.

A course designed for students desiring a general knowledge of musical literature. A study of musical literature, ancient and modern, in its relation to man; acquaintance with outstanding composers and their compositions; survey of available radio and community programs; attendance at all available concerts is required.

Not open to Music majors or minors. Required of all juniors except Music majors and minors.

306. Music of America.

Spring quarter. Three hours a week. Credit: three quarter hours.

A course designed for students desiring a general knowledge of the musical literature of America. A study of early

American folk music; Indian music; Negro music and its influence on folk and modern music; the jazz age; American composers and their works with special emphasis on contemporary music; music of Latin America.

Prerequisite: Music 206 or 106a.

MUSIC EDUCATION

102. Materials for Primary and Grammar Grades.

Fall and Spring quarters. Three hours a week. Credit: three quarter hours.

This course is designed to give the student a wealth of song material for Primary and Grammar grades. This material is to be studied from the theoretical as well as the applied approach. This course is open to Primary and Grammar grade majors and should follow Music 10.

202. Music Education in the Primary Grades.

Every quarter. Three hours a week. Credit: three quarter hours.

A study and interpretation of rote song repertory; correction of monotone tendencies; musical experiences of primary children; child voice and its care; creative music; change from rote to note; music in its relation to the primary school curriculum. Observation in the laboratory school.

Open to primary majors only.

203. Music Education in the Grammar Grades.

Every quarter. Three hours a week. Credit: three quarter hours.

Credited as Education.

A study and selection of musical literature for grammar grades: Folk songs, two and three part songs, orchestral instruments, program selection, radio and concert; child voice; changing boy voice—introduction of Bass Clef—music in its relation to the Grammar-Grade curriculum. Observation in the laboratory school.

Open to grammar majors only.

205a.b.c. Conducting. (Formerly Music 205).

Fall, winter, and spring quarters. Two laboratory hours and one meeting with the Training Orchestra each week. Credit: one quarter hour each quarter.

The technique of the baton; various styles of strokes, cueing, special signals, conducting the fermata; interpreta-

tion and methods of obtaining balance and special effects from instrumental and vocal organizations. Actual experience of conducting in the Training Orchestra and in the Vocal Techniques class.

Required of Music majors.

Prerequisite: Music 11abc, 21abc.

209. Instrumental Music Methods and Materials.

Fall quarter. Three hours a week. Credit: three quarter hours.

Organization and administration of instrumental music in the elementary and secondary schools. Special consideration to preliminary organization; the pre-band clinic; methods of teaching beginning strings, winds, and percussions; the first and second orchestras and bands; seating arrangements, balance in instrumentation, program building, the instrumental rehearsal room, library records, and uniforms; the marching band and band maneuvers; contest-festivals; and small ensembles. Materials suitable for all levels of instruction.

Prerequisite: One year of group instrumental instruction.

223a. Music Methods I. (Formerly Music 202M).

Fall quarter. Three hours a week. Credit: three quarter hours.

Music education in grades one through four.

A study of song materials and records for grades one through four, including a detailed study of rote and observation song presentation; child voice and its care; treatment of unmusical singers; rhythmic response to songs and dances; rhythm band; introduction to part singing; creative music; music in its relation to the grammar-grade curriculum; observation and participation in the Training School.

Required of Music majors and open to Music majors and minors only.

Prerequisite: Music 21abc.

223b. Music Methods II.

Winter quarter. Three hours a week. Credit: three quarter hours.

Music Education in grades five through eight.

A study of unison, two, three, and four part songs; a study of folk songs and dances of many countries; the changing voice; methods of introducing theory and elementary harmony; appreciation. Music in relation to the grammar-grade and junior high school curriculums. Observation and participation at the Training School.

Required of Music majors and open to Music majors and minors only.

Prerequisite: Music 21abc.

223c. Music Methods III. (Formerly Music 223).

Spring quarter. Three hours a week. Credit: three quarter hours.

Music Education in grades nine through twelve.

The general music class; classification and selection of voices; materials and methods of procedure for mixed chorus, boys' chorus, girls' chorus, small vocal ensembles; chapel programs and assembly singing; contest-festivals. Observation at High School.

Required of Music majors and open to Music majors and minors only.

Prerequisite: Music 21abc.

324. Observation and Student Teaching.

Every quarter. Eighteen hours a week. Credit: twelve quarter hours.

APPLIED MUSIC

Courses in applied music are open to all college students. Entrance to advanced courses by examination and consent of the instructor.

FEES:

Individual instruction, 2 half-hour lessons a week -----	\$15.00 per quarter
Small class instruction, not over four students, 2 hour lessons a week -----	15.00 per quarter
Group instruction -----	No fee

INDIVIDUAL INSTRUCTION

Courses are numbered to correspond with the student's classification. For example: Seniors taking beginning piano would receive credit for 330a.b.c.

Piano a.b.c -----	30-130-230-330
Organ a.b.c -----	31-131-231-331
Voice a.b.c. -----	32-132-232-332
Violin a.b.c. -----	34-134-234-334
Other instruments a.b.c -----	36-136-236-336

Instruction in small classes, not over four students, is credited the same as individual instruction and the same numbers are used as for individual instruction.

31, 131, 231, 331 (a,b,c) Organ.

Fall, winter, and spring quarters. One hour private instruction a week. Credit: one quarter hour. One hour private instruction and one additional class hour in the nature of a seminar, which will be primarily concerned with the problems of church music, each week. Credit: two quarter hours.

A study of pipe organ performance which will include an analysis of the musical, physical and technical aspects of the instruments and a study of the great organ literature.

Prerequisite: a reliable hand position; ability to play all major and minor scales at M. M. 92 four notes to a beat; ability to sight read Grade IV music; ability to perform some of the three-part inventions by Bach or other Bach compositions of equal difficulty; and consent of the instructor.

GROUP INSTRUCTION

280a.b.c. Piano Accompanying.

Fall, winter, and spring quarters. One hour a week. Credit: one quarter hour each quarter.

A study of the art of accompanying vocal and instrumental solos and ensembles and of playing for assemblies. This course carries applied music credit.

Prerequisite: Successful completion of freshman piano or its equivalent and consent of the instructor.

282a. Vocal Techniques I.

Winter quarter. Three hours a week. Credit: two quarter hours.

Achieving good singing with vocal groups. Relationship of posture and tone. Poetry as an expressive art in song. Speech mechanisms—breath, diaphragm, vocal chords, resonators and articulators in producing solo song.

Prerequisite: Music 21a.b.c.

282b. Vocal Techniques II.

Spring quarter. Three hours a week. Credit: two quarter hours.

Continuation of Vocal Techniques I with application and observation of solo and group techniques.

Prerequisite: Music 282a.

44, 144, 244, 344 (a, b, c) String Group Instruction.

Fall, winter, and spring quarters. Two class meetings and one meeting with the Training Orchestra per week. Credit: one quarter hour each quarter.

One instrument of the string family is learned reasonably well in the elementary positions. A working knowledge (particularly clef, fingering, position, and bowing problems) is also gained of all the instruments of this family.

46, 146, 246, 346 (a, b, c) Brass and Percussion Group Instruction.

Fall, winter, and spring quarters. Two class meetings and one meeting with the Training Orchestra per week. Credit: one quarter hour each quarter.

Practical playing experience and instruction in methods of tone production, fingerings, slide positions, and care of the brass instruments, with emphasis on the cornet or trumpet. Practical instruction in the fundamentals of percussion technique, with emphasis on the snare drum.

48, 148, 248, 348 (a, b, c) Woodwind Group Instruction.

Fall, winter, and spring quarters. Two class meetings and one meeting with the Training Orchestra per week. Credit: one quarter hour each quarter.

Practical playing experience and instruction in methods of tone production, fingerings, and care of the woodwind instruments, with emphasis on the clarinet. Special attention will be given the problems of embouchure for single reeds, double reeds, and flute.

60, 160, 260, 360 (a, b, c) Women's Chorus.

Fall, winter, and spring quarters. Three hours a week. Credit: one quarter hour each quarter.

A student may be a member of this organization without college credit. Open to all women students. Consent of the instructor is required.

62, 162, 262, 362 (a, b, c) College Choir.

Fall, winter, and spring quarters. Three hours a week. Credit: one quarter hour each quarter.

A student may be a member of this organization without college credit. Open to all students. Consent of the instructor is required.

64, 164, 264, 364 (a, b, c) College Band.

Fall, winter, and spring quarters. Three hours a week. Credit: one quarter hour each quarter.

A student may be a member of this organization without college credit. Open to all students. Consent of the instructor is required.

66, 166, 266, 366 (a, b, c) College Orchestra.

Fall, winter, and spring quarters. One evening rehearsal a week. Credit: one quarter hour each quarter.

A student may be a member of this organization without college credit. Open to all students. Consent of the instructor is required.

COURSE NUMBERS FOR GROUP INSTRUCTION, ENSEMBLES, AND ORGANIZATIONS

Courses are numbered to correspond with the student's classification:

Piano Group a.b.c	40-140-240-340
Voice Group a.b.c.	42-142-242-342
String Group a.b.c	44-144-244-344
Brass and Percussion Group a.b.c	46-146-246-346
Woodwind Group a.b.c	48-148-248-348
Adv. Piano Group a.b.c	50-150-250-350
Adv. Voice Group a.b.c.	52-152-252-352
Women's Chorus a.b.c	60-160-260-360
College Choir a.b.c.	62-162-262-362
College Band a.b.c	64-164-264-364
College Orchestra a.b.c	66-166-266-366
Vocal or Instrumental Ensemble a.b.c	70-170-270-370

— Training Orchestra.

Every quarter. One hour a week. Credit: No college credit is allowed for this course.

This is a laboratory to provide ensemble experience for students of the orchestral instruments and conducting classes and to provide a testing laboratory for work done by students in the Instrumentation and Arranging class. Materials of the nature used in school ensembles will be studied. This orchestra is open to any student in the college who has a limited experience in playing an orchestral instrument and desires to participate.

PSYCHOLOGY

Mr. Adams, Mr. Haynes, Miss Taylor

103. General Psychology.

Every quarter. Three hours a week. Credit: three quarter hours.

Required of all students taking four-year courses.

Aim: To provide for the student a course in the general principles of psychology.

Topics: The nervous system; sense organs; organs of response; inherited modes of behavior such as reflexes, emotions, feelings, sensations, attention, intelligence; individual differences, perception, motives, and personality.

201. Psychology of Childhood.

Every quarter. Three hours a week. Credit: three quarter hours.

Required of all primary and grammar-grade majors.

The object of this course is the observation of and the reading about children at different age-levels in order that the child may be studied as a living, growing organism like, yet different from, other individuals. Emphasis throughout the course will be placed on mental hygiene and its place in the development of a well-integrated personality.

Prerequisite: Psychology 103, or its equivalent.

205. Educational Psychology.

Three hours a week. Credit: three quarter hours.

Prerequisites: General psychology and at least sophomore standing.

Topics: How to study; intelligence, intelligence testing and the uses of intelligence test scores; educational tests, the general principles of learning; optimal conditions for learning; the learning curve; class experiments in learning processes; transfer of learning; the biological antecedents of learning; mental hygiene; and conditions and causes of maladjustment; growth.

308. Psychology of Elementary School Education.

Three hours a week. Credit: three quarter hours.

Prerequisite: Psychology 103, or its equivalent.

Required of juniors and seniors working for primary or grammar certificate.

A study of the psychological principles underlying the teaching and learning of the elementary school subjects.

Emphasis is placed on the modern methods of handling this material as a result of more recent investigations and research in the field.

315G, 316G, 317G, 318G. Problems in Psychological Testing.

This is a series of one-credit courses. Any quarter on request of individual students.

Prerequisite: Psychology 103 or its equivalent.

Unit one: The development and the use of the Stanford-Binet Scale are stressed. The objective is to acquaint the student with the materials of the 1937 Revision of the Scale, Form L; and to provide, through demonstration and practice, training in administering and scoring the tests and in interpreting the test results. Each student will administer six individual tests.

Unit two: To receive two hours' credit, the student must achieve some competency in the use of the 1937 Revision of the Stanford-Binet Scale, Form L, by administering it to twelve individuals, scoring the tests, and interpreting the results.

Unit three: This unit emphasizes the use of intelligence tests in school practice. Topics to be treated include: test selection; administering and scoring group intelligence tests; interpreting and reporting test data. Opportunity for some practice testing will be provided. A student may select as a project the development of a testing program for a specific class or school.

Unit four: Emphasis is upon the development and basic theory of psychological measurement. The student will read extensively and will become familiar with the classical studies and current literature in the field. Individual reports on readings will be required.

340G. Psychology of Adolescence.

Three hours a week. Credit: three quarter hours.

Prerequisite: Psychology 103, or its equivalent.

This course is intended to make a study of pre-adolescence and adolescence. Behavioristic changes that are concomitant with the physiological changes of adolescence; their meaning and treatment in education training; social institutions designed to meet these changes, such as Boy Scouts and Campfire Girls, are some of the topics given consideration.

350G. Psychology of Reading in the Elementary School.

Three hours a week. Credit: three quarter hours.

Prerequisite: Psychology 103, or its equivalent.

For seniors working for primary or grammar-grade Class A certificate.

Aim: To give the student an opportunity to study the psychological principles underlying the teaching and learning of reading.

370G. Mental Hygiene in the School.

Three hours a week. Credit: three quarter hours.

This course is planned as a part of the professional training of the teacher in the elementary and high schools. Two fundamental considerations are treated. First, the mental and social problems of the teacher. Second, mental hygiene training for children as a function of the school. Topics: The meaning and development of the wholesome and effective personality for both the teacher and the pupil. Poor adjustments in school, disciplinary problems, remedial work, and the effect of special educational methods in the light of psychological and genetic principles. The relation between the school and the home is given correlative though subordinate consideration.

401. Psychology of Childhood.

Three hours a week. Credit: three quarter hours.

Prerequisite: Psychology 103, or its equivalent.

Aim: To treat such topics as the original nature of the child, individual differences, discipline, brightness, dullness, and mental, social, and educational adjustment of the child.

A study of the investigations in this field will be conducted.

415. Psychological Testing.

Three hours a week. Credit: three quarter hours.

Prerequisite: Psychology 103, or its equivalent.

This course emphasizes the techniques of administering, scoring, and interpreting the most frequently used psychological tests. Opportunities are provided for gaining experience in the use of the following: Stanford-Binet, Form L (1937); Wechsler-Bellevue, Form I; and Arthur Point Scale. Other clinical instruments are also studied. Administration of various tests is demonstrated, and some supervised practice in the use of individual psychological tests is provided. Each student will be required to administer a satisfactory number of tests to show competence in the work.

420. Psychology of the Mentally Handicapped.

Three hours a week. Credit: three quarter hours.

Prerequisite: Psychology 103, or its equivalent.

This course is designed to provide the background necessary for an understanding of the mentally handicapped child. Topics discussed include: Meaning and concept of intelligence and its deviations; contrasting theories and concepts of mental defectiveness; causes of mental defectiveness in general; causes, characteristics, and explanations of the different special types; psychological and educational treatments; responsibility of home, school, and community in training and care of the mentally handicapped; and suggested programs to meet their needs.

421. Social Psychology.

Three hours a week. Credit: three quarter hours.

Prerequisite: Six hours in Psychology, including 103.

In this course a study is made of the innate tendencies that are stimulated by other beings and their behavior. Also the organization of group attitudes, such as co-operation, opposition, etc., and group habits, customs, language, and imitation.

440. Applied Psychology.

Three hours a week. Credit: three quarter hours.

Prerequisite: Psy. 103 or some equivalent course in general psychology.

This is a non-technical study of some of the practices in the applications of psychological facts and principles that have been made and are being made in the various occupations and professions. These will include vocational guidance and personnel selection in business, industry, salesmanship, advertising, education, medicine, law; and the processes operative in the development of personal efficiency.

450. Clinical Psychology.

Three hours a week. Credit: three quarter hours.

Prerequisite: Psychology 103, or its equivalent.

A survey of the field of mental disorders and abnormal behavior. Topics treated include: Meaning, nature, and methods of clinical psychology; changing concepts of abnormality; relation of abnormal to normal behavior; types of behavior disorders encountered; techniques of diagnosis; methods of therapy; theories of psychopathology; principles of effective mental hygiene and psychotherapy. Psychoneuroses and psychoses are studied in respect to symptoms, causes, treatment, and outcome.

NATURAL SCIENCE

Mr. Reynolds, Miss Caughey, Mr. Derrick, Mr. Jones, Miss
Wilton, Miss Rice, Mr. Roos, Mr. Scruggs, Mr. Helms

BIOLOGY

34, 35, 36. General Biology.

Fall, winter, and spring quarters. Three lectures and three hours of laboratory work a week. Credit: four quarter hours each.

These are courses in general biology intended to give the student an understanding of the fundamental processes of life. They include a study of the problems of reproduction and heredity and a study of the biological relationships between plants and animals, including man.

106, 107. Human Anatomy and Physiology.

Winter and spring quarters. Three lectures a week.
Credit: three quarter hours a quarter.

These courses consist of lectures and demonstrations by means of models and prepared dissections. The relation of structure to function in the human is stressed.

111. Zoology (Invertebrate).

Fall quarter. Three lectures and three hours of laboratory work a week. Credit: four quarter hours.

A survey of the invertebrates with a detailed study of representative forms.

112. Zoology (Vertebrate).

Winter quarter. Three lectures and three hours of laboratory work a week. Credit: four quarter hours.

This course includes a study of the simpler chordate animals, a study of a representative series of vertebrate animals, and the detailed study of one mammal.

130. General Botany.

Three lectures and three hours of laboratory work a week. Credit: four quarter hours.

A study of the structure, growth, physiology, and economic importance of seed plants.

131. General Botany.

Winter quarter. Three lectures and three hours of laboratory work a week. Credit: four quarter hours.

A survey of the plant kingdom from the Thallophytes through the Gymnosperms with a detailed study of the structure, reproduction, life history, and economic importance of selected types.

132. Field Botany.

Spring quarter. Three lecture and three hours of laboratory work a week. Credit: four quarter hours.

A study of plants in their natural habitats. Emphasis will be placed upon identification of special and a study of the environmental factors involved in plant associations.

140. Field Zoology.

Three lectures and three hours of laboratory work or field excursions a week. Credit: four quarter hours.

This course is planned to develop an intelligent field knowledge of Eastern North Carolina animals in order that teachers may make better use of the environment in teaching. Excursions to typical habitats for the purpose of collecting and identifying animals and studying the ecological conditions under which they live.

Prerequisite: A year of biology or equivalent.

206. Nature Study.

Fall and spring quarters. Four hours a week. Credit: three quarter hours.

A study is made of the common flowers, trees, insects, birds, and other animals.

Nature literature and field work supplement the lectures.

231. Human Physiology.

Each quarter. Three lectures and three hours of laboratory work a week. Credit: four quarter hours.

A study of circulation, respiration, digestion, metabolism, excretion, and related processes.

Prerequisite: Science 34, 35 and either one year of chemistry or Science 106 and 107.

251. Anatomy and Physiology of the Ear and Voice Mechanisms.

Three hours a week. Credit: three quarter hours.

In this course special emphasis is placed on the physical structure of the parts of the body used in the speech and hearing. An equal stress is placed on related physical defects and how they affect speech and understanding.

310G. Bacteriology.

Fall and winter quarters. Three lectures and three hours of laboratory work a week. Credit: four quarter hours.

This course includes a study of yeasts, molds, and bacteria with special emphasis upon bacteria in their more intimate relations to man.

Prerequisites: 18 hours of Science including Biology 34, 35; Chemistry 44, 45, and 46; and Chemistry 207 strongly recommended.

325G. Animal Ecology.

Two lectures and four hours of laboratory work a week. Credit: four quarter hours.

A study of the relationships of animals to each other, to plants and to physical factors in their environments.

Prerequisite: A year of biology.

330G. Heredity.

Spring quarter. Three hours of lecture a week and two hours of laboratory work a week optional. Credit: three or four quarter hours.

A study of the laws of heredity and their applications in evolution and eugenics. The laboratory work includes experiments with the fruit fly, *Drosophila melanogaster*.

Prerequisites: Biology 34, 35, 36, or their equivalent or consent of instructor.

350G. Histology.

Fall quarter. Two lectures and four hours of laboratory work a week. Credit: four quarter hours.

Slides of plant and animal tissues are prepared. Students learn to identify plant and animal tissues from these slides. Students are given the opportunity to prepare a collection of slides for their own use.

Prerequisite: At least two years of college biology.

306G. Embryology.

Winter quarter. Two lecture and four hours of laboratory a week. Credit: four quarter hours.

The early development of the vertebrates is studied, including the formation of the systems of organs. The development of some one vertebrate is studied in the laboratory. Slides showing this development are prepared by the students.

Prerequisite: Two years of college biology.

408. Plant Anatomy and Morphology.

Winter quarter. Two lecture and four hours of laboratory work a week. Credit: four quarter hours.

A study of the origin and development of structures found in the vascular plants. A study of both prepared slides and fresh materials which the student will prepare in the laboratory.

Prerequisites: Biology 34, 35, 36 and Botany 130, 131 or their equivalent.

450a.b.c. Special Problems in Biology.

Hours to be arranged. Credit: three quarter hours each.

Individual and group study and investigation of special problems in biology by graduate students possessing the necessary qualifications.

Prerequisites will vary somewhat with the problem selected.

CHEMISTRY**44, 45, 46. General Chemistry.**

Fall, winter, and spring quarters. Three lectures and three hours of laboratory work a week. Credit: four quarter hours each.

These courses are designed for students who wish to gain a broad knowledge of the more interesting phases of the subject. Recommended for students who plan to teach in secondary schools.

120. Semi-Micro Qualitative Analysis.

One lecture and six hours of laboratory work a week. Credit: four quarter hours.

The analysis of simple ores, alloys, and industrial products. Prerequisite: A year of general chemistry.

121. Volumetric Analysis.

One lecture and six hours of laboratory work a week. Credit: four quarter hours.

Presentation of volumetric methods of analysis, and the underlying theory.

Prerequisite: A year of general chemistry.

122. Gravimetric Analysis.

One lecture and six hours of laboratory work a week. Credit: four quarter hours.

Introduction to gravimetric methods of analysis, together with advanced work in stoichiometry.

Prerequisite: A year of general chemistry.

207, 208, 209. Organic Chemistry.

Fall, winter, and spring quarters. Three lectures and three hours of laboratory work a week. Credit: four quarter hours each.

These courses include a study of the principal compounds of both the aliphatic and the aromatic series, emphasizing those compounds which relate to foods, fuels, and other household uses.

309. Physiological Chemistry.

Winter quarter. Two lectures and four hours of laboratory work a week. Credit: four quarter hours.
Elective.

This course includes a study of the body processes of respiration, circulation, digestion, absorption, metabolism, excretion, and coordination. Designed especially for home economics students but open to all who have had the necessary prerequisites.

Prerequisites: 18 hours of science including chemistry and human physiology.

331, 332, 333G. Physical Chemistry.

Fall, winter, and spring quarters. Three lectures a week. Credit: three quarter hours each.

Introduction to theoretical chemistry including the fundamental laws and concepts.

Prerequisite: A year of general chemistry.

PHYSICS

115, 116, 117. Household Physics.

Fall, winter, and spring quarters. Two lectures and two hours of laboratory work a week. Credit: three quarter hours each.

A study of laboratory projects in physics with special application to household uses, emphasis being placed on the study of heating systems, electrical appliances in the home, water supply, illumination, heat conduction, etc.

125, 126, 127. General Physics.

Fall, winter, and spring quarters. Three lectures and two hours of laboratory work a week. Credit: four quarter hours each.

Courses of lectures, recitations, and individual laboratory work covering the divisions of mechanics, heat, light, sound, magnetism, and electricity.

The purpose of the course is to acquaint the student with

physical terms and quantities and an appreciation of the laws that underlie physical science.

Prerequisite: Math. 57 and 60.

180. Physics—Sound.

Fall quarter. Two lectures and two hours of laboratory work a week. Credit: three quarter hours.

An elementary course in physics for music students. This course deals with the scientific principles of musical sounds, acoustics, and the mathematical basis of scale formation.

Open to music majors only.

225. Mechanics.

Three lectures and two hours of laboratory work per week. Credit: four quarter hours.

This course deals with the theory and applications of mechanics.

Prerequisite: one year of general physics.

226. Heat.

Three lectures and two hours of laboratory work a week. Credit: four quarter hours.

This course includes a study of thermometry, change of state, specific heat, and introduction to thermodynamics.

Prerequisite: One year of general physics.

227. Light and Sound.

Three lectures and two hours of laboratory work a week. Credit: four quarter hours.

This course gives a thorough treatment of the elements of light and sound.

Prerequisite: One year of general physics.

228. Radio.

Three lectures and three hours of laboratory work a week. Credit: four quarter hours.

A general course in principles of radio reception, high frequency currents, electronic tubes, and circuits, introduction to radio repair.

Prerequisite: One year of physics, or special permission of instructor.

317G. Electricity.

Three lectures and two hours of laboratory work a week. Credit: four quarter hours.

This is an advanced course in the theory and applications of direct and alternating current electricity.

Prerequisite: A year of general physics.

PHYSICAL SCIENCE

10, 11, 12. Natural Science Through the Year. (For Freshmen.)

Nine quarter hours for the year. Two double periods per week.

These three courses provide for the recognition of common objects in the natural environment and a study of their interrelationships, their social meaning, and the basic scientific principles underlying them. These include things that are seen, heard, touched or smelled, or come to the notice of children in the outdoors during the various seasons of the year. Examples: the Earth, Moon and Sun as parts of our Solar system; weather and climate; earth materials; air, water; plants and animals. Use of the scientific method in observation and experiment is emphasized. The sources and use of materials for teaching elementary science are studied.

71, 72, 73. General Science.

Fall, winter, and spring quarters. Two lectures and two hours demonstration work a week. Credit: three quarter hours.

A survey course in general science designed to meet the needs of (1) those students who desire a fundamental knowledge of scientific principles.

200. Mineralogy.

Each quarter. Three hours a week. Credit: three quarter hours.

This course includes a study of the more common minerals. Emphasis is placed on the commercial use of minerals in everyday life.

Open to students of sophomore or junior standing.

201. Applied Science in the Community.

Three quarter hours credit. Two double periods per week. In this course the student explores the applications of science to such aspects of community life as the utilities, power production and distribution, transportation, communication, maintenance of public health, fire protection, safety, construction, and agriculture. Local problems and their solution are studied at first hand. Consultants are invited to guide the class in the study of their special function in the

community. In the laboratory or shop, students taking this course perform experiments and build models to clarify the various aspects of community science.

202. Applications of Science to Industry.

Three quarter hours credit. Two double periods per week. International relationships of science are studied in this course, which aims to explain the physical, chemical and biological bases upon which industrial processes depend. It is shown that modern industrial science has developed from the combined efforts of men and women of many countries, races and times, and that it draws upon the resources of the world; science is international. Audio-visual (multisensory) aids illustrate for the student the processes and materials used in industry. Samples of industrial products are assembled, and demonstrations of industrial equipment and processes are prepared by the students.

203. Applied Science in the Home.

Three quarter hours credit. Two double periods per week. This course concerns such practical science as the principles and materials used in air-conditioning the home, insulation, building and maintenance, lighting, cleaning, diet and cooking, water supply, sewage disposal, motors and simple machines for performing household tasks, the telephone, doorbell, radio, television, phonograph, gardening, toys, and the care of pets. Maintenance of family health is studied. Students make, use and repair home equipment; they take care of house plants and pets, and experiment with living things and with household chemicals.

315G. Integrated Science for Elementary Teachers.

Three lectures and two hours of laboratory, including outdoor study, per week. Credit: four quarter hours. The purpose of this study is to acquaint the elementary school teacher with the content and methods of presentation of elementary science. It includes a study of State-approved science books in series and the continuity of subject matter they offer.

316. Descriptive Astronomy.

Fall quarter. Three hours a week. Credit: three quarter hours.

This course includes a descriptive study of the heavenly bodies and their relation to man and his daily activities. This course is open to all students of junior standing.

318. Elements of Photography.

Three hours a week. Credit: three quarter hours.

A thoroughly scientific course designed to meet the desires of those students who wish a comprehensive knowledge of the scientific background and the fundamental techniques of photography which they will be able to put to practical use.

322a.b.c. Apprenticeship Science.

Fall, winter, and spring quarters. Credit: three quarter hours each.

Open to science majors of junior or senior standing.

400a.b.c. Problems in Science.

Three hours a week. Credit: three quarter hours each.

This course is designed to provide the student with experience in the analysis and solution of problems in the areas of his major interests.

405a.b.c. Science for the Elementary School Teacher.

Three hours a week. Credit: three quarter hours.

A content course for teachers who wish to improve their background for teaching science in the elementary schools. Topics selected for study will be based on the needs of the group.

Prerequisite: Graduate standing and consent of instructor.

410. Contemporary Science.

Fall, winter, or spring quarter. Three hours a week. Credit: three quarter hours.

Lectures, readings, reports, and discussions concerning the development of scientific thought with emphasis on recent advances.

Prerequisite: Two years of college science.

420a.b.c. Problems in Elementary Science.

Three hours a week. Credit: three quarter hours each.

A course designed to offer opportunities for special investigations in the field of elementary science.

455. Experimental Evaluations in Science.

Three hours a week. Credit: three quarter hours.

This course deals with the evaluation of science texts and reference material; classroom and laboratory equipment; and the coordination of the various sciences.

465. Current Problems in Science.

Three hours a week. Credit: three quarter hours.

This course deals with the current investigations in science; critical evaluations of techniques, materials, results, and conclusions.

475. Historical Development of School Science.

Three hours a week. Credit: three quarter hours.

This course traces the development of the study of science from its early stages to the present time. Special emphasis is placed upon the development of the present-day secondary school sciences.

485. The Lives and Works of Great Men of Science.

Three hours a week. Credit: three quarter hours.

This course deals with the development of science as portrayed by the contribution of noted scientists. The private lives and environments of these individuals will be stressed.

SCIENCE EDUCATION**223. Materials and Methods in Science.**

Three hours a week. Credit: three quarter hours.

This course includes lectures, demonstrations, and class discussions on the materials and methods used in the teaching of science in the senior high school.

223b. Materials and Equipment in Science.

Three hours a week. Credit: three quarter hours.

A continuation of methods of teaching science with emphasis on student problems, equipment, and current trends as indicated in professional periodicals.

324. Observation and Student Teaching.

One quarter. Eighteen hours a week. Credit: twelve quarter hours.

402. Modern Science.

Three hours a week. Credit: three quarter hours.

This course deals with new discoveries and inventions in the field of science and their economic and cultural implications.

430. The Teaching of General Science in Secondary Schools.

Fall quarter. Three hours a week. Credit: three quarter hours.

This course deals with content, methods, laboratory work, equipment, textbooks, tests, and reference readings of the introductory course in high school science. Attention will be given to the special studies made in the field of general science.

440. Teaching of the Biological Sciences in Secondary Schools.

Fall quarter. Three hours a week. Credit: three quarter hours.

This course deals with content, methods, laboratory work, equipment, textbooks, tests, and reference readings of the high school course in biology. Attention is given to the special studies made in the field of the high school biological studies.

SOCIAL STUDIES

**Mr. Frank, Mr. Brewster, Mr. Clay, Mr. Coleman, Mr. Flanagan,
Mr. George, Mr. Hollar, Mr. Marshall, Mr. Murray,
Mr. Toll, Mrs. Unterberger**

ECONOMICS

101. Introduction to Economics.

Three hours a week. Credit: three quarter hours.

This course gives an introduction to the major economic problems, such as the economic organization for production, forms of the business unit, large scale production and combinations, organization of marketing and transportation, economic functions of government, forces determining price, supply, demand, cost of production, competition, and monopoly.

Prerequisite: Sophomore standing.

102. Introduction to Economics.

Three hours a week. Credit: three quarter hours.

This course is a continuation of Economics 101. Topics treated include: money, banking, money and price, the business cycle, international trade and exchange, economics of transportation, industrial monopoly and its control, risks, insurance, speculation, nature and factors of consumption and saving.

Prerequisite: Sophomore standing.

103. Introduction to Economics.

Three hours a week. Credit: three quarter hours.

This course is a continuation of Economics 102. Topics treated include: distribution of wealth and income, rents, interests, wages, profits, population problems, taxation and public finance, problems of labor, labor unions and union policies, industrial conflict, industrial peace and industrial government, proposed reforms of the economic system.

Prerequisite: Sophomore standing.

104. Investment of Savings.

Three hours a week. Credit: three quarter hours.

The purpose of this course is to show how persons of small income can save, invest, and build up an income from their savings if they wish to do so. Topics treated include: the economics of savings; the psychology of savings; opportunity for investing; interest accumulations; time deposits; savings banks; insurance; building and loan associations; annuities; mortgages; bonds, government bonds; real estate bonds; industrial bonds; stocks; choosing your adviser; the stock exchange; the pit; speculation and gambling; and such other topics as time permits.

Prerequisite: Sophomore standing.

105. Rural Economics.

Three hours a week. Credit: three quarter hours.

This course deals with the major rural economics problems with special reference to North Carolina.

Elective for sophomores and juniors.

Prerequisite: Sophomore standing.

110. Consumer Economics.

Three hours a week. Credit: three quarter hours.

This course deals with established economic principles from the viewpoint of the consumer especially consumer buying, standards for consumers, producers aids to consumers and government aids to the consumers.

Prerequisite: Sophomore standing.

201. Money and Banking.

Three hours a week. Credit: three quarter hours.

A study of the forms and functions of money, credit and credit problems. Commercial banking, with particular emphasis upon its development in the United States.

202. Labor Problems.

Three hours a week. Credit: three quarter hours.

This is an introductory course in labor problems. It is intended to give the student a brief survey of the whole field of labor problems. A rapid survey is made of such topics as standards of living; wealth, income and wages; hours of labor; unemployment; women and children in industry; labor organizations; industrial unrest and socialism; industrial education; labor legislation; social insurance.

Prerequisite: Junior standing.

301. Business Organization and Practice.

Three hours a week. Credit: three quarter hours.

The aim of this course is to give the student a practical knowledge of the way in which our commercial and industrial agencies are organized and financed, and how business is conducted. It treats of such topics as kinds of business organization; incorporation; reorganization; financing, buying and selling; corporation control; attitude toward stockholders and labor.

302. Public Finance.

Three hours a week. Credit: three quarter hours.

A study of public revenue and expenditure, principles and system of taxation.

Prerequisite: Economics 101 and 102 and Junior standing.

310. Introduction to Railway Transportation.

Three hours a week. Credit: three quarter hours.

A study of the economic and administrative phases of railway transportation in the United States. Such topics are treated as financial organization; rates and rate making; state and federal regulation; government operation; government ownership; current railroad problems.

330. International Trade.

Three hours a week. Credit: three quarter hours.

Historical and economic background of international trade; economic basis of international trade, tariff systems, commercial policies and conventions; international finance; exporting and importing.

GOVERNMENT

1. An Introductory Course in American Government.

Three hours a week. Credit: three quarter hours.

This course takes up the principles upon which our state and national governments are based, and how the American concept of democracy has been put into operation.

102. Social Civics.

Three hours a week. Credit: three quarter hours.

A course designed to prepare teachers for teaching citizenship.

Prerequisite: Sophomore standing.

201. Political Parties and Politics.

Three hours a week. Credit: three quarter hours.

This course treats briefly of the development of political parties in the United States with a more intensive study of present-day national parties and politics. It treats such topics as the party platform; nominating methods; party machinery; campaign methods; suffrage qualifications; election laws; the spoils system; the civil service reform; machines and bosses; practical politics in legislative bodies; remedies for legislative evils.

Prerequisite: Junior standing and Government 1.

202. Comparative Government.

Three hours a week. Credit: three quarter hours.

An inquiry into the principles and merits of the different forms of government.

210. Municipal Government and Administration.

Three hours a week. Credit: three quarter hours.

The creation and legal powers of cities; old and new forms of municipal government; pressure groups, bosses, parties, elections; analysis of the administrative functions of municipal government, such as personnel, finance, police, housing, health, planning, and public utilities.

302. North Carolina State, County, and Municipal Government.

Three hours a week. Credit: three quarter hours.

An intensive study of the State government of North Carolina, including its subdivisions.

305. Social Legislation.

Three hours a week. Credit: three quarter hours.

A survey of social legislation in North Carolina and in the United States.

HISTORY

No student will be credited with more than one course of a general type covering the same period of any field of history. This statement does not refer to courses taken in high school.

10. American History to 1783.

Three hours a week. Credit: three quarter hours.

11. American History, 1783 to 1865.

Three hours a week. Credit: three quarter hours.

12. American History Since 1865.

Three hours a week. Credit: three quarter hours.

113. Ancient History to 325 A.D.

Three hours a week. Credit: three quarter hours.

Prerequisite: Sophomore standing.

114. Medieval History, 325 to 1500.

Three hours a week. Credit: three quarter hours.

Prerequisite: Sophomore standing.

115. Modern European History, 1500 to 1815.

Three hours a week. Credit: three quarter hours.

Prerequisite: Sophomore standing.

216. Modern European History, 1815 to 1914.

Three hours a week. Credit: three quarter hours.

Prerequisite: 9 hours of History. (Formerly 116.)

205. North Carolina History.

Three hours a week. Credit: three quarter hours.

This is a general survey of the social, economic, and political history of North Carolina.

208. Economic History of the United States to 1860.

Three hours a week. Credit: three quarter hours.

Prerequisite: Junior standing.

209. Economic History of the United States to 1860.
Three hours a week. Credit: three quarter hours.
Prerequisite: Junior standing.
218. English History to 1603.
Three hours a week. Credit: three quarter hours.
219. English History Since 1603.
Three hours a week. Credit: three quarter hours.
221. Contemporary History.
One lecture and four hours supervised reading a week.
Credit: three quarter hours.
Each student is required to furnish a magazine or a newspaper that is satisfactory to the instructor each week. The newspapers and magazines become the property of the class.
299. Economic History of Modern Europe.
Three hours a week. Credit: three quarter hours.
Prerequisite: Modern European History.
- 300G. The American Revolution and Counter-Revolution.
—1769-87.
Three hours a week. Credit: three quarter hours.
A study of the growth of revolutionary sentiments and radicalism, and the return to conservatism under the Constitution.
Prerequisite: Senior standing.
- 310G. Growth of Sectionalism in the U. S., 1789-1860.
Three hours a week. Credit: three quarter hours.
A brief consideration of the geographical background followed by a more detailed study of sectional rivalries from the adoption of the Federal Constitution to the outbreak of the Civil War.
Prerequisite: Senior standing.
317. Latin-American History.
Three hours a week. Credit: three quarter hours.
Prerequisite: 9 hours of History.
325. North Carolina History to 1835.
Three hours a week. Credit: three quarter hours.
A detailed examination of the development of North Carolina as a state and as a part of the larger American community.
Prerequisite: 21 hours of History.

326. North Carolina History Since 1835.

Three hours a week. Credit: three quarter hours.

A continuation of History 325.

Prerequisite: 21 hours of History.

327G. The Revolutionary Period in Europe.

Three hours a week. Credit: three quarter hours.

Prerequisite: Senior standing.

329G. Russia and the Near East.

Three hours a week. Credit: three quarter hours.

A survey of the rise of Russia from feudal principality to great power, followed by a more detailed study of Russian imperialism and the Near Eastern question.

Prerequisite: Modern European History and a total of 18 hours of History.

340G. Background for European Nationalism.

Three hours a week. Credit: three quarter hours.

Evolution of the idea of nationalism from its origin in the experience of ancient Hebrews to the national monarchies of the eighteenth century.

401. Europe Since 1918.

Three hours a week. Credit: three quarter hours.

Prerequisite: Graduate standing and 18 hours of History.

402. Diplomatic History of the United States to 1898.

Three hours a week. Credit: three quarter hours.

403. Diplomatic History of the United States since 1898.

Three hours a week. Credit: three quarter hours.

404. The Renaissance and the Reformation.

Three hours a week. Credit: three quarter hours.

Prerequisite: Graduate standing and 18 hours of History.

407. The Civil War and Reconstruction.

Three hours a week. Credit: three quarter hours.

Prerequisite: Graduate standing and 18 hours of History.

408. United States History Since 1877.

Three hours a week. Credit: three quarter hours.

Prerequisite: Graduate standing and 18 hours of History.

412. Formation of the Federal Union, 1781 to 1801.

Three hours a week. Credit: three quarter hours.

Prerequisite: Graduate standing and 18 hours of History.

420. International Relations.

Three hours a week. Credit: three quarter hours.

A study of international organizations and relationships.

422. The Growth of Constitutional Government.

Three hours a week. Credit: three quarter hours.

A study of the history and growth of constitutional development with emphasis upon the sources of the American Constitution.

Prerequisite: Graduate standing.

425. Historiography.

Three hours a week. Credit: three quarter hours.

Prerequisite: History major.

430. The Far East Since 1850.

Three hours a week. Credit: three quarter hours.

This is a survey course in the history of East Asia and the Pacific from the time of Commodore Perry to Pearl Harbor.

440. The Evaluation of European Nationalism since 1789.

Three hours a week. Credit: three quarter hours.

A study of the development of modern nationalism among the British, French, German, Italian, and Russian peoples.

Prerequisite: Graduate standing and 18 hours of History.

450. Colonial Social and Cultural History.

Three hours a week. Credit: three quarter hours.

Prerequisite: Graduate standing and 18 hours of History.

451. Social and Cultural History of the United States, 1787 to 1865.

Three hours a week. Credit: three quarter hours.

Prerequisite: Graduate standing and 18 hours of History.

455. Economic and Social History of North Carolina.

Three hours a week. Credit: three quarter hours.

A survey of the origin and development of economic and social institutions. Assigned readings, lectures, and individual reports from a wide range of secondary materials.

456. North Carolina History since 1865.

Three hours a week. Credit: three quarter hours.

Readings and lectures on general development in the state.

Individual research papers on the historical background for issues of contemporary interest.

460. The Expansion of Europe.

Three hours a week. Credit: three quarter hours.

This history of the spread of Europeans and European Civilization overseas and its consequences, 1415-1763.

465. Principles of International Law.

Three hours a week. Credit: three quarter hours.

A survey of the development of International Law.

SOCIOLOGY

100. Introduction to Sociology.

Three hours a week. Credit: three quarter hours.

This course is designed to introduce the student to the general field of society and its problems.

Prerequisite: Sophomore standing.

101. Rural Sociology.

Three hours a week. Credit: three quarter hours.

This course deals essentially with rural social problems, such as farm tenancy, rural health, and rural church, the rural family, rural welfare work and the general structure of rural population.

102. Urban Sociology.

Three hours a week. Credit: three quarter hours.

This course deals with the social structure and problems of the city.

Prerequisite: Sophomore standing.

202. Modern Social Problems.

Three hours a week. Credit: three quarter hours.

This course deals with the origin of man and development of culture, with emphasis upon the physiographic, biological, psychological, and cultural factors in social life.

Prerequisite: Junior standing.

203. Social Institutions.

Three hours a week. Credit: three quarter hours.

The course is a continuation of Sociology 202. Stress is laid on the origin and development of some of the major social institutions.

Prerequisite: Junior standing.

204. Social Anthropology.

Three hours a week. Credit: three quarter hours.

This course is a continuation of Sociology 203 and deals essentially with the evolution of culture.

Prerequisite: Junior standing.

211. Community Resources, Agencies, and Organizations.

Three hours a week. Credit: three quarter hours.

A community survey, analyzing its resources and the functions performed by its agencies and organizations.

305G. The Family.

Three hours a week. Credit: three quarter hours.

A study of the forms and functions of the family, with an attempt to analyze the present-day problems of the family.

Prerequisite: Senior standing.

306. Crime and Delinquency.

Three hours a week. Credit: three quarter hours.

A discussion and analysis of theories of criminology and punishment.

308. Introduction to Social Case Work.

Three hours a week. Credit: three quarter hours.

A brief historical background of social case work with major interest upon the purpose of case studies and the methods of the case worker. Designed for those wishing to qualify for case work assistants.

SOCIAL STUDIES EDUCATION

223. Materials and Methods in High School Social Studies.

Three hours a week. Credit: three quarter hours.

324. Student Teaching.

Eighteen hours a week. Credit: twelve quarter hours.

DENCO

FOR REFERENCE

Do Not Take From This Room

