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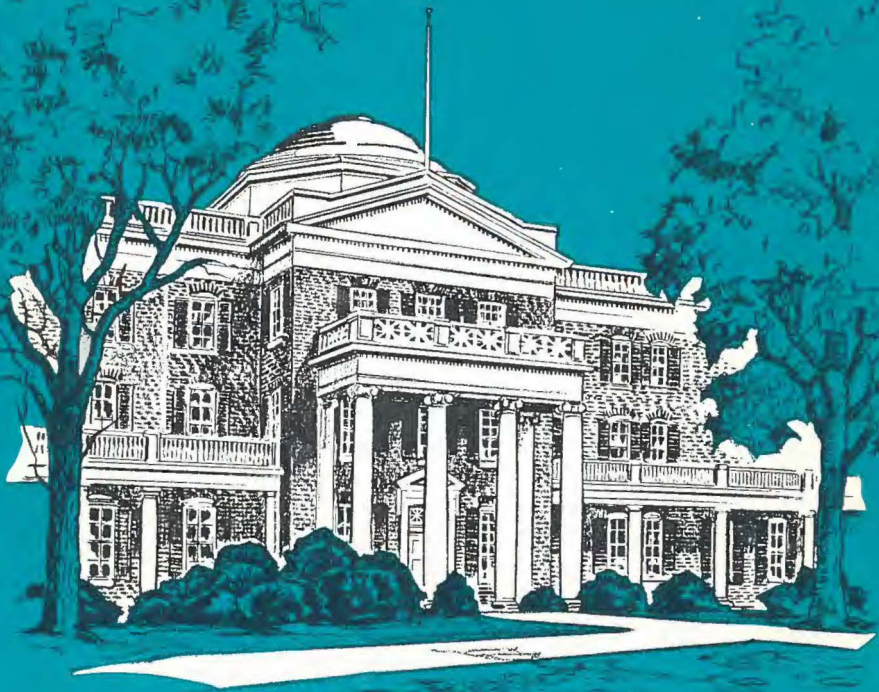
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LONGWOOD
COLLEGE
CATALOGUE

1969 - 1970

Bulletin of
LONGWOOD COLLEGE
Farmville Virginia 23901



Announcements
Session 1969-70

Virginia's First State College for Women

Accredited by: Southern Association of Colleges and Schools, National Council for Accreditation of Teacher Education, Virginia State Board of Education.

Eighty-sixth session begins
September 15, 1969

VOLUME LV

NUMBER 2

APRIL 1969

Academic

1969

SEPTEMBER

S	M	T	W	T	F	S
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7	8	9	10	11	12	13
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OCTOBER

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NOVEMBER

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DECEMBER

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1970

JANUARY

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FEBRUARY

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September 15—Monday—Opening date. First student teaching block begins.

September 17—Wednesday—Freshmen and transfer students arrive.

September 22—Monday—Registration for freshmen and seniors.

September 23—Tuesday—Registration for juniors and sophomores.

September 24—Wednesday—Classes begin.

October 1—Wednesday—Last day for schedule changes.

October 8—Wednesday—Last day on which classes may be dropped without automatic F.

November 7—Friday—First student teaching block ends.

November 10—Monday—Block classes begin.

November 14—Friday—Mid-semester estimates due in Registrar's Office at 9:00 a.m.

November 26—Wednesday—Thanksgiving holiday begins at 12:00 noon.

December 1—Monday—Classes are resumed at 8:00 a.m.

December 19—Friday—Christmas holiday begins at 12:00 noon.

(Graduate classes meet December 20)

January 5—Monday—Classes are resumed at 8:00 a.m.

January 16—Friday—First semester classes end.

January 19—Monday—Examinations begin.

January 28—Wednesday—Examinations end.

SECOND SEMESTER

February 2—Monday—Second student teaching block begins.

February 3—Tuesday—Registration for all students.

February 4—Wednesday—Classes begin.

February 11—Wednesday—Last day for schedule changes.

February 18—Wednesday—Last day on which classes may be dropped without automatic F.

Calendar

March 21—Saturday—Founders Day.
March 27—Friday—Second student teaching block ends.
Mid-semester estimates due at 9:00 a.m. in Registrar's Office.
March 27—Friday—Spring vacation begins at 12:00 noon. (Graduate classes meet March 28)

April 6—Monday—Classes are resumed at 8:00 a.m.
Block classes begin.

May 22—Friday—Second semester classes end.
May 25—Monday—Examinations begin.

June 3—Wednesday—Examinations end.
June 6—Saturday—Commencement Exercises.
June 15—Monday—Summer Session begins.

August 21—Summer Session ends.

1970

MARCH

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JUNE

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23	24	25	26	27	28	29
30	31					

Table of Contents

	<i>Pages</i>
The College	19- 27
Student Personnel Program	29- 33
Student Life on the Campus	35- 44
Financial Information	45- 54
Academic Regulations	55- 66
Programs of Study	67- 71
The Graduate Program	73- 78
Departments of Instruction	79-136

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*On leave of absence 1968-69.

†On leave of absence second semester 1968-69.

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- CHARLOTTE S. HOOKER, B.A., M.A., Ph.D.....*Professor of English*
B.A., M.A., Texas Woman's University; Ph.D., Tulane University.
- ANNE H. HUFFMAN, B.A., M.A.....*Instructor in Physical and
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- *PAUL F. HUGHES, B.A., M.A.....*Instructor in English*
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Bachiller-in-Law, Preparatorios Alfredo Vasquez Acevedo, Uruguay; M.A., East Carolina University.
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†On leave of absence second semester 1968-69.

*On leave of absence 1968-69.

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- SHIRLEY M. O'NEIL, B.A., M.A., Ph.D. *Professor and Chairman of
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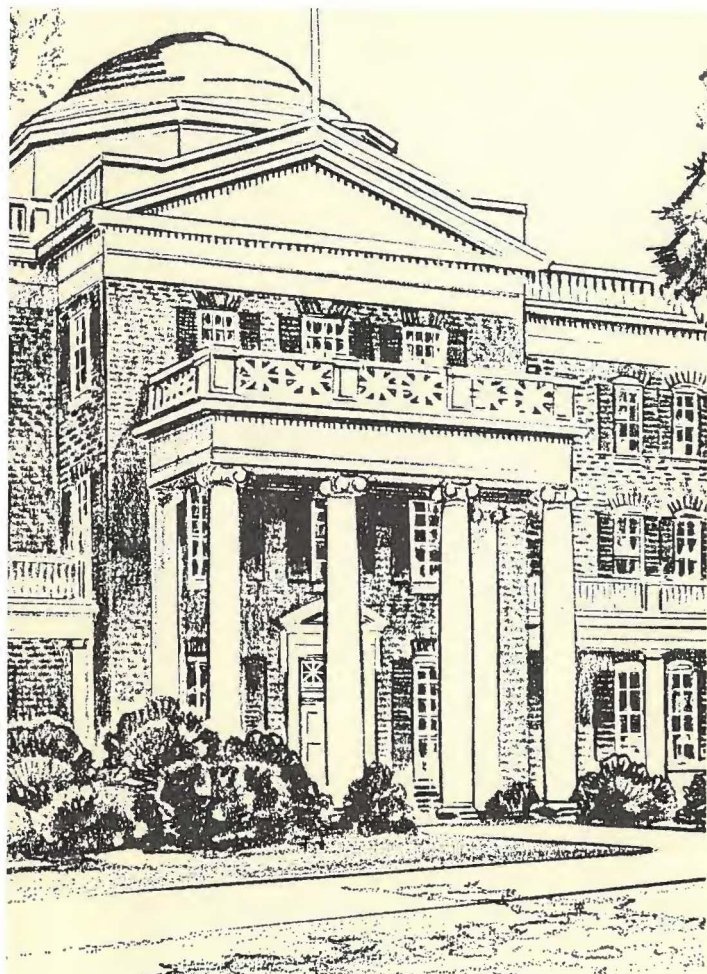
*On leave of absence 1968-69.

- *GARY W. ROSECRANS, B.A., M.Ed. *Assistant Professor of Education
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- CAROLYN WELLS, B.A., M.S., Ph.D. *Professor of Biology*
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- ROBERT J. WOODBURN, B.S., M.A. *Assistant Professor of English and Speech*
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*On leave of absence 1968-69.



The College

EDUCATIONAL OBJECTIVES

1. To provide a baccalaureate curriculum for students planning to enter teaching positions in elementary and secondary schools.
2. To provide a baccalaureate curriculum in the liberal arts.
3. To provide a graduate program leading to the Master's degree for those who wish additional preparation for teaching in the elementary and secondary schools, or for supervisory work in schools.

4. To provide a pre-professional curriculum for students planning to enter schools of the medical sciences.

HISTORY

Longwood College, a pioneer first in private and later in public education, is one of the oldest colleges for women in the United States. The College was founded on March 5, 1839, this being the date that the Farmville Female Seminary Association was incorporated by the General Assembly of Virginia. The seminary opened its doors in an impressive brick building in the Georgian style of architecture, which now forms a part of Ruffner Hall, the administration building at Longwood College. Prior to 1839 there existed the Farmville Female Seminary established in 1833 and another female seminary established in 1835 by the Reverend A. J. Heustis. It is possible that the seminary of 1839 was an outgrowth of these earlier schools. If this is the case, Longwood College can justifiably claim a founding date of 1833.

In succeeding years the increasing prosperity of the Farmville Female Seminary or Female Academy, as it was sometimes called, led the stockholders to expand the seminary into a college, and the Farmville Female College was incorporated in 1860. This college, under both private and church management, enjoyed a long period of successful operation. Between 1860 and 1884 it was directed in turn by George La Monte, a young graduate of Union College, New York; Arnaud Preot, a distinguished French musician and linguist; Dr. Paul Whitehead, a Methodist minister; and the Misses Fannie and Mary Elizabeth Carter of Mecklenburg County.

The first State legislature to assemble after the adoption of the post-bellum constitution established a system of public schools in Virginia on July 11, 1870. For twelve years, or more, the conduct of these schools was entrusted to such teaching forces as were found ready at hand. However, during this period it became evident to educational leaders that some provision must be made for the training of teachers. To meet this demand, the legislature on March 7, 1884, passed an act establishing a State Female Normal School. On April 7, 1884, the State of Virginia acquired the property of the Farmville Female College, and in October of the same year the Normal School opened with 110 students enrolled. This was the first State institution of higher learning for women in Virginia.

With the passage of the years, the Normal School expanded its curricula and ran through a succession of names. It became the State Normal School for Women in 1914, the State Teachers College at Farmville in 1924, and Longwood College in 1949.

The College's present name was derived from Longwood Estate, a tract of 103 acres acquired by the institution in 1928. This beautiful property, originally consisting of thousands of acres, was purchased by Peter Johnston in 1765, and was the home of Peter Johnston, Jr., a lieutenant in Light Horse Harry Lee's famed legion and judge of the Circuit Court of Virginia. There, also, was born General Joseph E. Johnston, Confederate military figure.

In 1811 the estate was bought by Abram Bedford Venable, a United States Senator and the organizer and first president of the first bank in Virginia. After the destruction by fire of the original house on the estate, the present house was erected in 1815 by Nathaniel E. Venable, an officer in the War of 1812 and a member of the Virginia House of Delegates and the Senate. It is the birthplace of Lieutenant Colonel Charles Scott Venable, who was a member of General Robert E. Lee's staff, and professor of mathematics and chairman of the faculty of the University of Virginia.

The College was first authorized to offer four-year curricula leading to the degree of bachelor of science in education in 1916. It was authorized to offer the degree of bachelor of arts in 1935, the degree of bachelor of science in 1938, curricula in business education the same year, and courses leading to a degree in music education in 1949. In 1954, graduate programs were authorized.

Primarily a college for women, Longwood now offers four baccalaureate, and two master's degrees.

LOCATION

The College is located in Farmville, a Southside Virginia community, with a population of 5,000. The town is the business and educational center of this area of Virginia. Located here are churches, hotels, and the modern Southside Community Hospital. Hampden-Sydney College, a liberal arts college for men, is within five miles of Farmville.

Farmville is fifty miles east of Lynchburg, sixty miles east of Charlottesville, and approximately sixty-five miles west of Richmond and Petersburg. It is situated on the Norfolk and Western Railroad. Serving it also are the Greyhound and Trailways bus systems. Excellent highways, including U. S. 15 and U. S. 460, intersect here.

The climate is pleasant the year around. The geographic location of the College assures the absence of extremes in temperature and weather.

THE CAMPUS

The campus is on a 25-acre plot of ground to the west of the business section of Farmville. The campus is compact; the buildings are arranged

for utility and convenience. Ruffner Hall is located in the center of the campus and is probably the first building the student will enter upon her arrival at Longwood College. On the first floor of this building is the Rotunda, which is attractively furnished as a reception hall.

Adjoining the Rotunda to the south is the main dining hall of the College, which is equipped to seat fourteen hundred persons. Each table in the room seats eight students. At each table a student serves as hostess. The senior dining hall is located on the ground floor of Ruffner Hall. The dining facilities of the College are operated by the Slater Food Service Management, Inc., a nationwide corporation which specializes in college food service management.

Tabb Hall is located to the east of Ruffner. Connected to Tabb Hall by an enclosed colonnade is the College Infirmary, a modern structure fully equipped to accommodate all students who would normally require medical attention at any one time. It is staffed by the College Physician and five registered nurses.

The Raymond French Hall adjoins Tabb Hall on the eastern end of the campus. This building contains a gymnasium, shower rooms and an indoor swimming pool. To the rear of this building are tennis courts and an athletic field for archery, hockey, soccer, and other outdoor athletic contests. A nine-hole golf course is maintained at Longwood Estate.

At the western end of Ruffner Hall is the Grainger Building, the location of many classrooms. To the south of Ruffner Hall is located the Hiner Building, the building formerly known as the Training School. This completely renovated and modernized structure houses the Departments of Education, Psychology, Philosophy, Geography and Geology, as well as the Bureau of Teaching Materials. The Hiner Building also houses the new television studio which provides for closed-circuit television in every room in the building. The Iler Gymnasium and a laundry-shop building are also in this area of the campus.

To the west of Ruffner we find Lancaster Library and Jarman Auditorium. To the south of these buildings are located Stevens Hall, housing the Department of Natural Sciences, and Jeffers Auditorium with a seating capacity of 250; Cunningham Halls, Wheeler Hall, Cox Hall, and Stubbs Hall, modern dormitories; and the Lankford Building, the student activities building.

Curry Dormitory, a ten-story high rise structure, is located to the south of the main campus.

THE LIBRARY

The Lancaster Library functions as an integral part of the system of instruction at Longwood College. The building, constructed in 1938,

was remodeled and substantially enlarged in 1961, and is commodious and attractive, with modern equipment. Completely air-conditioned, its facilities include individual study carrells, group study and discussion rooms, seminar rooms, a typing room, faculty carrells, an exhibition gallery, and a separate reading room for the use of the collection of periodicals and newspapers on 2,000 reels of microfilm. The main book collection, approximately 105,000 volumes, is available on open shelves to all users, with reading and informal lounge areas interspersed among the book areas on three floors. Other collections in the library include a file of 8,000 pamphlets, a picture file of 6,800 items and over 1,300 maps. Nineteen newspapers and some 525 current magazines are received. Also in the Library is a collection of College publications: student publications, college catalogues, alumnae bulletins, and other materials.

A library orientation program is given to all freshmen by members of the English department in cooperation with the library staff. By means of this program students are introduced to the library building and its functional divisions to the various book collections, and to general and special reference tools. They learn how to borrow library materials, how to use the Faculty Reserve Collection, and how to locate subject material or specific books. This program is followed by individual instruction throughout the entire four years of college.

Library service to alumnae is rendered locally or by mail. Loan services to teachers in Southside Virginia are provided according to the regional plan put into effect by the State Board of Education. It is the aim of the library to obtain maximum use of its materials by students, alumnae, teachers and other friends of the College.

During regular sessions the Library is open at scheduled periods totalling 92 hours each week. The time schedule is posted at the main entrance to the Library.

JARMAN AUDITORIUM AND MUSIC BUILDING

Jarman Hall houses an auditorium which seats 1,235 persons and contains all equipment, including a four-manual pipe organ, and space necessary to stage elaborate productions of varied types. The music building, which is a part of Jarman Hall, contains classrooms, offices, sound-proof individual practice rooms and studios, an instrument storage room, and a large band and orchestra rehearsal room. Among the various types of equipment there are thirty-two pianos; a Schlicker two-manual organ and a Beckerath organ; electronic organs and pianos for practice; a Steinway and a Mason and Hamlin concert grand piano; Baldwin and

Steinway small grand pianos; a Sperrhake two-manual harpsichord; all types of string, reed, brass, and percussion instruments; a library of recordings and music; phonographs, tape recorders, and a listening room for recorded music.

STEVENS HALL

Stevens Hall, located on the southwestern side of the campus, contains lecture rooms and laboratories for biology, chemistry, general science, and physics. A greenhouse is located to the rear for use by the Department of Natural Sciences. Modern in every respect, this hall enables the College to offer excellent preparation in science.

The College Museum, which is located in Stevens Hall, contains more than 1,200 minerals, rocks, fossils, plants, and animals. Most of the geological specimens were gifts from the private collections of D. A. Brodie and H. B. Derr.

HOME ECONOMICS FACILITIES

The Home Economics Building is located between Ruffner Hall and the Hiner Building. This building contains both classroom and laboratory facilities. The Worthy Johnson Crafts House, built in 1960, is located across the street from Ruffner. In this home senior home economics majors further their experience in the management of modern homes and families.

LIVING QUARTERS

Students are housed in Tabb, Ruffner, French, the Cunninghams, Wheeler, Cox, Stubbs and Curry Dormitories. Upperclassmen draw by lot for dormitory and suites. In Main, North and South Cunningham, Wheeler, Cox, Stubbs, and Curry the rooms are arranged in suites with a connecting bath between two rooms.

Student life in each dormitory is supervised by a Head Resident. Each student is responsible for the care of her own room. Building maintenance is under the supervision of the Housekeeper and her staff.

A typical dormitory room has two single beds, two desks, a dresser, bookshelves, chairs, and two closets. However, due to crowded conditions, some rooms must be set up as triples. Study lamps, bedspreads, bed linen, blankets, towels, wash cloths, bed pillows and waste baskets are to be furnished by the student. The College laundry is located on the campus and is equipped with the necessary personnel and machinery to render excellent service to students. Automatic washing machines are also

available for student use and are located in most of the dormitories in rooms planned for this purpose.

RECREATION CENTERS

Various recreation centers are located on the campus. The Lankford Building, center for student activities, opened in the summer of 1967. Major features of the building are meeting rooms for organizations, bowling alleys, TV rooms, reading rooms, snack bar, book store, post office, and bicycles which may be checked out for student use.

The eleven national social sororities having chapters at Longwood College have rooms in Stubbs and Curry Dormitories.

Each dormitory has a pleasant lounge with television where students can relax when studying is finished for the evening or where relatives and friends can be entertained when they come for a visit. Each dormitory is also equipped with formal parlors.

A Tearoom, widely known for its delicious food, is operated by Slater Food Service Management and is located in Ruffner Hall. Here students, visitors, and faculty members may obtain meals at reasonable cost.

LONGWOOD ESTATE

The Longwood Estate, located at the eastern edge of Farmville, is owned and maintained by the College. (See the section of this catalogue describing the history of the College.) The estate comprises 103 acres of beautiful, rolling grounds with a nine-hole golf course. In a wooded section is a natural amphitheatre where May Day festivals are held and a log cabin where students and chaperons may stay overnight.

STUDENT TEACHING CENTERS

The public schools in the counties adjacent to Farmville, the Roanoke City public schools, the Danville City public schools, the Richmond City public schools, the Lynchburg City public schools, the Colonial Heights City public schools, and the Chesterfield County, Henrico County, and the Prince George County public schools cooperate with the College in making facilities available for student teaching.

These schools are well equipped with laboratories, libraries, cafeterias, and workrooms. The faculties include teachers who are well qualified as supervising teachers.

The College program and the program of student teaching are coordinated through the Department of Education.

THE COLLEGE YEAR

The college year consists of a regular session, including two semesters of 16 weeks each, and a summer session. The summer session for undergraduate students consists of a ten-week session divided into two five-week terms. The ten-week summer session makes it possible for a student to complete a degree program in three calendar years as compared with the traditional four academic years generally required to complete such a program.

Also, in the summer and running concurrently with the undergraduate program, are two sessions for graduate students of five weeks each.

Both undergraduate and graduate classes during the summer are scheduled for five days a week. Students may apply for admission in the summer session or at the beginning of either semester of the regular session.

COMMENCEMENT

Commencement exercises will be held once a year, in the spring. Those students completing degree programs between commencements will be given a letter certifying that they have fulfilled all requirements for graduation. They will receive diplomas at the next spring commencement.

Graduating seniors must buy or rent from the college book store the caps, gowns, and hoods required for commencement exercises.

ACCREDITATION

The College is fully accredited as a professional school for the undergraduate training of teachers and as a liberal arts college. It is accredited by the Southern Association of Colleges and Schools, the National Council for Accreditation of Teacher Education, and the Virginia State Board of Education. It is on the list of colleges approved by the American Association of University Women. Its pre-medical curriculum is approved by the Council on Medical Education and Hospitals of the American Medical Association. Its preprofessional curricula in nursing, medical and X-ray techniques prepare students for admission to accredited schools.

The College is a member of the Association of American Colleges, American Association of Colleges for Teacher Education, Association of Virginia Colleges, National Association of Business Teachers Training Institutions, American Association of College Registrars and Admissions

Officers, Southern Association of Colleges for Women, American Library Association, and the Virginia Museum of Fine Arts.

Longwood College is affiliated with the University Center in Virginia, an agency which brings nationally known scholars and lecturers to the Virginia area, and arranges programs of research, cooperative professorships, adult education, and library exchanges among member colleges. Longwood shares directly in the enriched educational activity made possible through the joint efforts of the institutions affiliated with the Center.

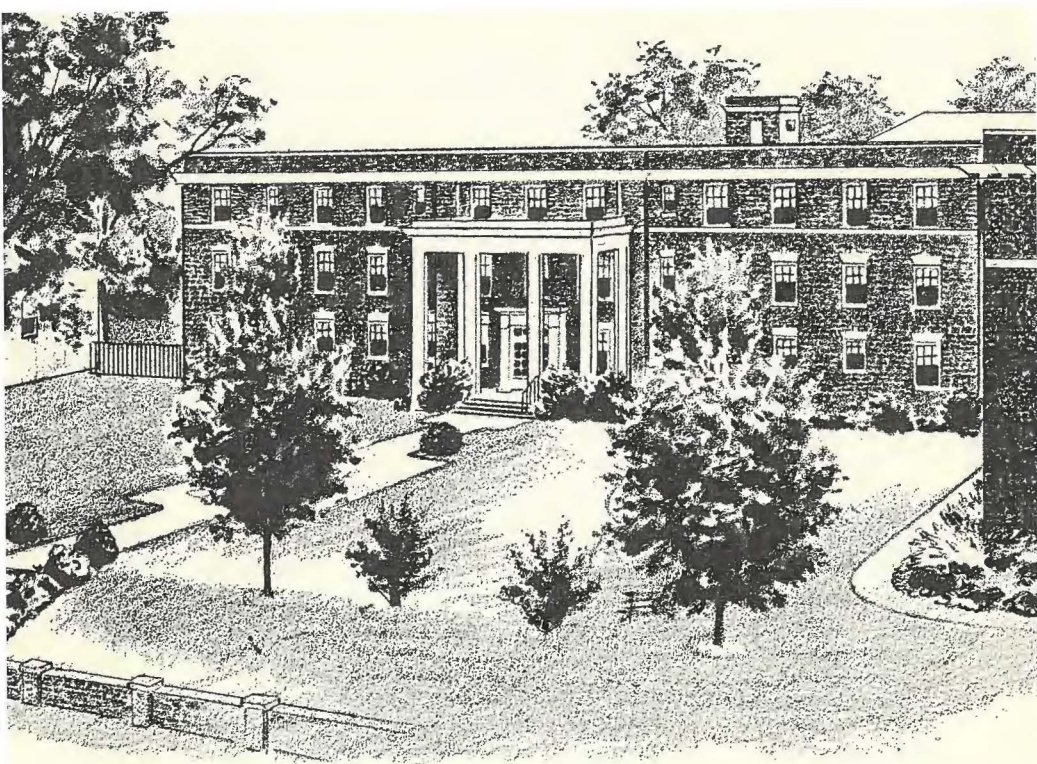
THE LABORATORY SCHOOL

A laboratory school to be used in conjunction with the Teacher Education Program at Longwood College is to be ready for use in 1970.

COOPERATIVE PROGRAM WITH HAMPDEN-SYDNEY COLLEGE

The variety of courses available to Longwood students has been increased by a cooperative arrangement with Hampden-Sydney College. Under the terms of the arrangement, full-time students at either institution may enroll for courses at the other institution without added expense. Students desiring to take advantage of this program must secure approval from the Dean of the College.

Longwood College students may find these academic areas of particular interest: Bible and religion; classical languages, computer mathematics.



Student Personnel Program

ADMISSION REQUIREMENTS

Eligibility for admission. The following students are eligible to apply for admission to the College.

1. Graduates of public and private high schools accredited by the State Department of Education in Virginia or the accepted accrediting agency of any other state. The State Board of Education has ruled that preference be given to Virginia students of academic and personal qualities of a high order who desire to teach.

2. Advanced students transferring from other properly accredited colleges and universities. Such students are given a fair equivalent in credit for courses they have taken, provided they are entitled to honorable dismissal from other institutions they have attended and that they meet the other admission requirements of the college.

Advanced students must submit scores on the College-Level Examinations of the Comprehensive Colleges Test of the Educational Testing Service, Princeton, New Jersey. The College-Level Test shall be taken in the month of December or January if the student plans to enter Longwood College the following September. The College reserves the right to specify additional tests to be taken prior to admission.

High school credits. Longwood College requires for admission the following units beyond the eighth grade: four units in English; one unit in American history; one unit in American government; two units in science, at least one unit thereof being a laboratory science; one unit in algebra and one unit in geometry.

Longwood College welcomes applications from prospective students. The admission of all students is on a selective basis. Priority is given to the best qualified applicants. A student must rank in the upper half of her class and have made a score on the Scholastic Aptitude Test of the College Entrance Examination Board high enough to indicate success at Longwood College. In order to apply for admission a student must take the following steps:

1. Submit the preliminary application blank found in the back of this catalogue. This must be accompanied by an application fee of ten dollars, which will not be refunded. Checks and money orders should be made payable to Longwood College.

2. Fill out and return to the Director of Admissions a detailed application blank which will be sent to her when the College receives the preliminary application blank.

3. Request that the principal of the high school from which she was (or is to be) graduated submit to the Director of Admissions a transcript of her high school record on a form provided by the College. Students who have attended other colleges and universities must likewise request that the registrars of those institutions send complete transcripts of their records.

All applicants are required to take the Scholastic Aptitude Test of the College Entrance Examination Board and they must request that the test score be sent to the Director of Admissions of Longwood College. Students who are planning to continue the study of a foreign language should take the achievement test in the language of their choice. Data from the Scholastic Aptitude tests administered by the State Department of Education in cooperation with the local school divisions will be reported by the high school principal on the transcript form.

When the College receives the student's application, application fee, the transcripts of her records, and scholastic aptitude test score or

scores, its Committee on Admissions examines her qualifications carefully and notifies her as to whether or not her application is accepted.

Students accepted for admission will be required to make a non-refundable deposit of \$50.00 in order to reserve a room in the dormitories. The date this payment is due will be indicated in the admission letter.

GUIDANCE AND COUNSELING

The College recognizes that the acquiring of knowledge is only one phase of the student's education. It must also assist each student to develop in all areas of life. It must be prepared to assist her in making plans for the future and in solving problems of the present. It must be interested in her as a person as well as one of a class group. Therefore, every faculty member has guidance responsibilities involving work with students on an individual basis.

The office of the Dean of Students is likewise an integral part of the student personnel program. This department is responsible for student life in the dormitories and for the social activities of the students. It maintains contacts of many different kinds with all the various segments of the student groups, assisting individual students in the many problems of their adjustment to college life. Its work is coordinated with that of the faculty so that there is continuity and purpose in the personal assistance rendered to students throughout their college careers.

The Student Health Service, directed by the College Physician, cooperates in every way with other activities of the student personnel program. The physical condition of each student is a primary factor in her adjustment while in college and the cooperation of the Health Service, the faculty, and administrative officials, is considered essential. Each student's contact with the student personnel program begins with the consideration of her qualifications by the Committee on Admissions when she applies for admission. At the time that she is accepted, the College already has a knowledge of her background, achievement, abilities, and interests. Upon her matriculation at the College, each freshman is assigned an adviser. This faculty member is available at all times to give her assistance in making her plans and solving her problems in an intelligent manner. The College maintains extensive personnel records on each student.

The first few days of each regular session are designated as a period of orientation for freshmen and other new students. *The Colleagues*, a group of carefully selected sophomores together with orientation group leaders, student assistants, and *Junior Spirits*, conduct a program of study and activities which acquaints the new students with the customs, tradi-

tions, and regulations of the College. This program has proved to be exceedingly valuable to new students as they adjust to the life on the campus. Throughout the country, the College is known for the sincere interest shown by the student body, faculty, and administrative officials in those beginning their study here.

HEALTH SERVICE

The Student Health Service of the College upholds the highest standards of physical and mental health and emphasizes the prevention of illness. An excellent health record has been maintained here because of the close cooperation between the College Physician and other departments that are in a position to assist in the promotion of student health.

The Service is staffed by the College Physician who is assisted by five registered nurses.

Students needing medical attention are treated in the modern, well-equipped infirmary maintained by the College. The infirmary gives twenty-four hour service with a nurse available at all times. The College Physician is available on call at any hour. The College does not assume responsibility for any medical attention except that given by the College Physician and by the nurses. Consultants, hospitalization, private nurses, special prescriptions, X-rays, other laboratory work, etc., are at the expense of the student. The College Physician communicates with the parents immediately in case of serious illness.

The Southside Community Hospital is located only a few blocks from the College. It is well equipped and is in the charge of a capable staff of physicians and surgeons. The College Physician is a member of the staff.

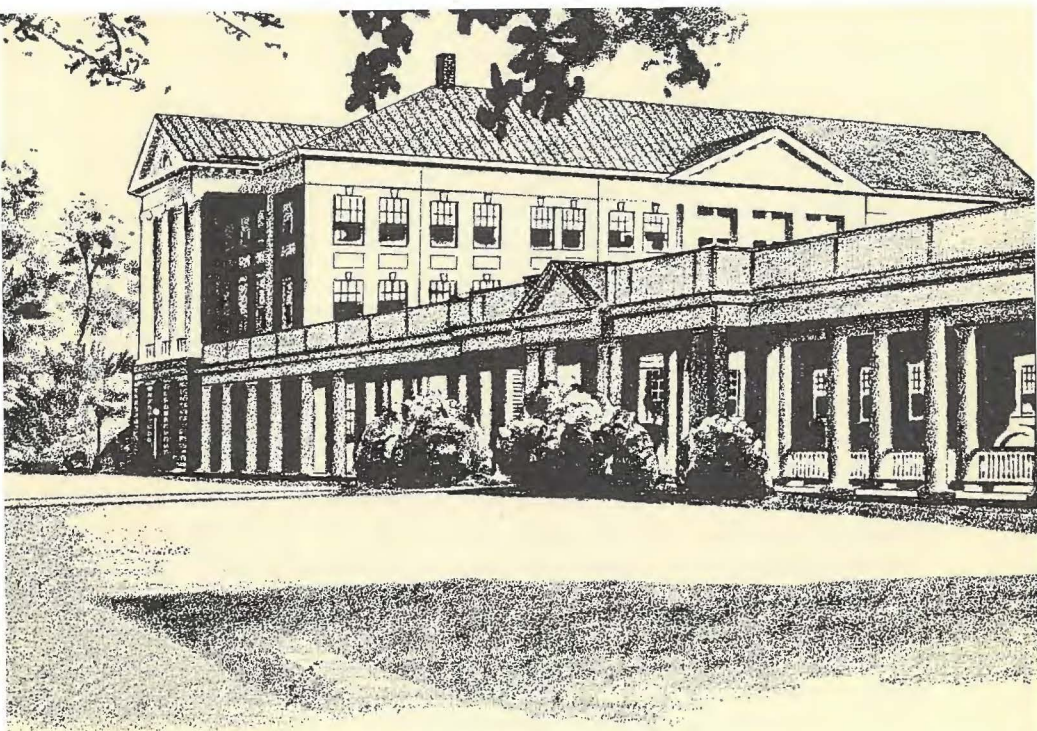
Longwood College has arranged with a casualty company for the provision of a student accident and sickness insurance plan. At the present time, participation in this plan is voluntary, and the premium must be paid by the student. The College furnishes the casualty company with a roster of the students who will enter Longwood College each September enabling the company to furnish each parent with a brochure explaining the benefits of the plan and the cost.

PLACEMENT SERVICE

To assist students and alumnae in securing desirable positions, the College maintains a Placement Bureau in the office of the Director of Admissions. Available to alumnae and students, and provided without cost either to students or employers, the Bureau places prospective

teachers and graduates who wish to secure positions in business and industry.

A folder of information is compiled for each graduate and is available to prospective employers. School superintendents, personnel directors, and others interested in employing graduates are invited to visit the College for interviews with students.



Student Life on the Campus

PHASES OF COLLEGE LIFE

The faculty and administrative officials of the College believe that their ultimate responsibility is to assist students to be well-adjusted, useful citizens in the state and nation. Therefore, attention is given to all aspects of student life on the campus.

In the section of this catalogue describing the Student Health Service, the College's activities relating to physical life are outlined. Summarized below are other aspects of college life which receive careful attention.

MORAL AND RELIGIOUS LIFE

The moral and religious aspects of education are considered as important as are the physical and intellectual. During the history of the College a tradition of good will, cooperation and high standards of personal relationship has developed. Such a stabilizing influence cannot be described; it can be appreciated only through living in the atmosphere

it engenders. But this intangible influence is experienced by both students and faculty to such a degree that it has become a distinct moral force in the whole College community.

The College is a home in which everyone is expected to do his part and share in a give-and-take relationship with others. Certain modes of life are prized and valued because in a long history they have proved their worth. In such an atmosphere it is difficult for the young student to fail to develop high ideals and a wholesome moral outlook on life.

The Young Women's Christian Association is a strong religious force in the college. It provides training and experience for the officers and others interested in religious work. The Y. W. C. A. conducts daily evening prayer services, urges attendance at church school and church, and fosters a spirit of religious life and service. Under its auspices a Spiritual Life Program is observed; a series of addresses by some Christian leader is given each year on the fundamental principles of the Christian religion, and noted speakers representing the international point of view address the students on important current movements.

Students are also encouraged to participate in the religious life of the community. They receive a cordial welcome from the ministers of the town to participate in their church life, which includes regular Sunday services, prayer meetings, Sunday School classes, and social gatherings. Special leaders, working with students through the medium of student organizations, are provided by some of the churches.

Farmville churches include the Baptist, Episcopal, Lutheran, Methodist, Presbyterian, Roman Catholic, Wesleyan Methodist, and Church of God. Where there is no organized church leadership, as in the case of the Christian Scientists, students of the respective faiths usually have contact with local residents having similar church affiliations.

CULTURAL, SOCIAL AND RECREATIONAL LIFE

The individual with a well-rounded personality is social in outlook and attitude. She is able to work and to play with other people. The community life on the campus provides many opportunities for every student to participate in various social, recreational, and cultural activities.

Various receptions and parties at the beginning of the college year enable new students to meet the upperclassmen, faculty members, and administrative officials. The Geist Festival, presented each fall by the four classes, provides entertainment and develops a spirit of cooperation and friendliness among the students. The Founders Day celebration, held yearly in March, brings together alumnae, students, and faculty mem-

bers. In April the Miss Longwood Pageant, affiliated with the State Pageant, is held. The May Day Festival, held at the Longwood Estate on the first Saturday in May, is an outstanding event sponsored by a general committee chosen from the student body.

Dances and productions are presented during the year by the classes and student organizations. Picnics and hikes are held during the fall and spring months. Intramural and varsity competition in various sports, including archery, basketball, golf, hockey, swimming, softball, tennis, and volleyball, provide opportunities for participation on the part of all students.

The College's choir, Madrigal Singers and Chorus are open to students interested in music. The Longwood Players provide excellent experience for students interested in drama. Radio and television programs are presented on the local stations by various student and faculty groups. The College's newspaper, literary magazine, and yearbook are prepared and edited by students interested in writing and editorial work.

Occasional assembly programs, distinguished speakers and other programs of interest are presented. Artist series, outstanding lecturers, and various artists of the entertainment world are scheduled at intervals during the year.

Among the outstanding programs and personalities presented on the Longwood campus during the 1968-69 session were the following: the Richmond Little Symphony and the Turnau Opera Players; "Curlew River;" and the Reyes-Soler Ballet Espanol; performances by the Longwood Players of Shakespeare's "Taming of the Shrew," Rogers and Hammerstein's "The King and I," Bertold Brecht's "Caucasian Chalk Circle," and William Gibson's "The Miracle Worker." Also appearing on the campus were seven speakers sponsored by the Visiting Scholars Program: Robert Bierstedt, Fred Hechinger, Balcomb Greene, Arthur Whitaker, John T. Bonner, John Hallowell, and Peter Gay. The Jarman Series sponsored two speakers, Dr. Stanley Krippner and Miss Betty Friedan. The Institute of Southern Culture arranged lectures by three noted scholars: Dr. Leroy E. Loemker, Dr. W. T. Reveley, and Dr. Virgil C. Aldrich. The Virginia Barter Theater presented a dramatic adaptation of John Dos Passos' "U.S.A."

INSTITUTE OF SOUTHERN CULTURE

The Institute of Southern Culture was established at Longwood College in 1956 to promote the study of traditional aspects of Southern civilization through academic course work, special lectures, and through the publication of research in the field. The Institute is currently spon-

soring a series of lectures throughout the year by visiting scholars and members of the faculty. Course work in several departments of the College also provides a means for exchange of ideas about various aspects of Southern life. Financial support for the Institute is provided by the Longwood College Alumnae Association.

ACADEMIC AND PROFESSIONAL LIFE

The academic and professional life of the College constitutes the main emphasis to which all other activities are secondary and contributory. It centers around the courses of instruction offered in the various departments of the College. Some courses are primarily cultural, liberal, and broadening in outlook. Others are primarily professional and are designed to prepare students definitely for teaching in the elementary and secondary schools of the State or for other vocations. In still others academic scholarship and the professional spirit are very closely combined. The major part of this catalogue is concerned with factual details of this principal interest of the College.

SOCIAL REGULATIONS

The College is a community, the residents of which are the students, faculty members, and administrative officials. These persons work together to maintain high standards of conduct and, like all other communities, have developed regulations by which the social life of its members is governed.

Students are expected to conduct themselves as ladies while on the campus, in the community, and at other colleges. They must keep in mind at all times that they are representatives of the College and that their conduct brings credit or discredit to the College as well as to themselves. Any questionable conduct will be dealt with by the Student Government Association.

Boarding students are not permitted to keep cars on the campus or in Farmville during the College session without specific authorization from the committee on student cars. Seniors may have cars at the College during their last full year on campus.

Complete information regarding all social regulations is given in the *Student Handbook* which is sent to every new student at the end of the summer preceding the opening of the new session.

ORGANIZATIONS

Numerous student groups on the campus assure a well-rounded program of activity for each student as well as the opportunity for student participation in the affairs of the College.

STUDENT GOVERNMENT ASSOCIATION

All students of the College are members of the Student Government Association. The governing bodies of this association manage the affairs of the students in cooperation with the administrative officials of the College. Regulations governing the conduct of students both on and off the campus are enacted and enforced by them.

The underlying principles of conduct and relationship of the students, faculty members and administrative officials are embodied in the Honor System, a cherished tradition of the College. The way of life on the campus is based on the Honor Code.

The Honor Code

The Honor Code serves as a practical example of a truly democratic form of student life and self-government. Students make the rules and violators are tried by a jury of their peers. Because they appreciate the importance and convenience of their agreement to trust one another, they also recognize the need to control the few among them who are either unable or unwilling to accept the responsibilities of their mutual trust. A dishonorable act is a betrayal of the whole student body and is regarded as such. It is an Honor Code offense to lie, to cheat, or to steal in any and all academic and property matters. Lying before the Judicial Board or House Association or member thereof in any matter during an investigation or trial in any matter is an Honor Code offense. Falsification of records with the intent to give untrue information is also a breach of the Honor Code.

HOUSE COUNCIL

The House Council is a division of the Student Government Association and is composed of four student-elected officers, and dormitory and hall presidents. It is the responsibility of this group to set up and enforce the regulations governing student life in the dormitories as residences.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION

The Y. W. C. A. in the College is a branch of the national Y. W. C. A. The administrative direction is in the hands of the students, assisted by an adviser. It promotes a number of religious activities. Leaders are brought to the campus by the Association to discuss with students questions of religious interest and to help individuals with personal religious problems. The organization through its committees wel-

comes new students individually. It likewise provides informal entertainment for other groups of students from time to time during the year.

ATHLETIC ASSOCIATION

All students are members of the Athletic Association. The Athletic Association provides athletic and recreational activities for its members. Competition in archery, basketball, field hockey, golf, softball, swimming, tennis and volleyball is an integral part of the sports program. The nine-hole course at Longwood Estate gives students an opportunity to play golf. The Athletic Association recognizes participation in the inter-collegiate sports program in archery, basketball, field hockey, golf, swimming, tennis, and bowling.

HONORARY AND PROFESSIONAL SOCIETIES

There are a number of honorary and professional societies which recognize excellence in various fields.

Geist is a local honor society which recognizes outstanding achievement in leadership, scholarship and campus citizenship. *Alpha Lambda Delta* is a national society for women which honors high scholastic achievement in the freshman year. The local chapter was installed in the fall of 1966. To be eligible a freshman must have a 3.5 average at the end of her first semester, or a cumulative 3.5 at the end of her freshman year. The purpose of the organization, as stated in the constitution, is "to promote intelligent living and a high standard of learning and to encourage superior attainment among freshman women in institutions of higher learning." *Kappa Delta Pi* is a national honor society for students interested in the activities of the teaching profession. Its membership is limited to juniors and seniors whose scholastic records place them in the upper fifth of the student body. Organized in 1918 as a local honor society, it affiliated with the national group ten years later. Outstanding students in languages are invited to join *Lambda Iota Tau*, an international literature society; and students with good records in history and social sciences are admitted to *Pi Gamma Mu*, a national honorary social science society. *Alpha Psi Omega*, a national dramatics organization, recognizes outstanding dramatic achievement. Editors, business managers, and others in key positions on the student publications, are eligible for membership in *Pi Delta Epsilon*, a national honorary journalism fraternity. The local chapter was organized in 1950. *Pi Omega Pi* is the national fraternity in Business Education. The fraternity is open to second semester sophomores and to juniors and seniors enrolled in the Business Education curriculum. *Pi Omega Pi* has as its purpose to create

a fellowship among teachers of business. Delta Rho Chapter was installed at Longwood College on April 14, 1961. *Sigma Alpha Iota* is a national professional music fraternity for women. *Lychnos Society* is a local honorary organization in science and mathematics. *Delta Psi Kappa*, a national professional physical education fraternity for women, recognizes and encourages scholastic achievement and professional ethics. *Kappa Omicron Phi*, an honor society in home economics, was organized in 1960. *Orchesis* is an honorary dance group whose purpose is to foster creative interest in dance among students in the College, to further and widen that interest through contacts with other college groups. *Honors Council*, composed of the nine academic honor societies, seeks to promote an academic atmosphere on the campus, provide an incentive for academic achievement, recognize those students who have achieved academic excellence and coordinate the activities of the honor societies. The Council is composed of the president and a junior representative from each of the societies.

OTHER STUDENT ORGANIZATIONS

Longwood has many organizations intended to bring together students having common interests. A unique organization is the *Granddaughters Club*, composed of students whose mothers or grandmothers attended the College. Other student clubs include:

Les Francophiles, *Deutscher Klub-Edelweiss*, and *El Club Espanol* are clubs for which all modern language students are eligible. The programs of the regular monthly meetings, which are given in the foreign languages, consist of songs, skits, games, current events, and short talks on cultural subjects.

Philakalia endeavors to encourage interest in art individually and among the student body of the college as a whole.

Phi Beta Lambda is the national college organization of the Future Business Leaders of America for prospective business teachers and leaders in the field. Participation in this organization is of great help to Longwood students who will teach business subjects and serve as advisers to this or to similar types of co-curricular activities.

The Home Economics Club strives to develop a better understanding of home economics and its contribution to personal and family living. Membership is open to all students enrolled in the home economics major. The club is affiliated with the state Home Economics Association.

Church groups for College students are represented by the following:

Baptist Student Union (Baptist)

The Canterbury Association (Episcopalian)

Gamma Delta (Lutheran)

Newman Club (Catholic)

Wesley Foundation (Methodist)

Westminister Fellowship (Presbyterian)

In addition to these organizations eleven national sororities have chapters on the campus. They are Alpha Delta Pi, Alpha Gamma Delta, Alpha Phi, Alpha Sigma Alpha, Alpha Sigma Tau, Delta Zeta, Kappa Delta, Phi Mu, Sigma Kappa, Sigma Sigma Sigma and Zeta Tau Alpha.

The *H₂O Club* is a synchronized swimming group open to all students who have earned an American Red Cross Senior Life Saving Certificate and who have served an apprenticeship of at least one year in the club's subsidiary organization, the *Corkettes*. Members of the *Corkettes* are selected at an annual tryout on the basis of their swimming ability and aquatic grace. Students may become members of *Corkettes* without holding a Senior Life Saving Certificate.

The primary purpose of the *H₂O Club* and *Corkettes* is to present the annual synchronized water show. Each show is completely original, the numbers having been composed by selected members of the group; thus participation in the water show develops aquatic creativity as well as skill among the membership. The organization also provides lifeguards for recreational swims and cooperates with the Athletic Association in the execution of swimming meets. The stimulation of interest in swimming at Longwood is the unifying purpose of all *H₂O Club* activities.

The Longwood Players is a group open to all students interested in drama as a performing art. Any student may register for an apprentice period. At the end of this time the students who have shown an active interest in any phase of the drama will be elected to full membership. Four full-length plays are presented each session. Twice during the school year the Players presents a series of one-act plays and at least one speech assembly is presented to the student body. If the student works with the club's director and the other club members, she will find the *Longwood Players* an organization worthy of her time and effort. The club aims to provide the best in dramatic entertainment for the College students and the people of the community.

Music Educators National Conference is a student branch of the National Professional Organization of Musical Educators. It is composed

of music education majors who discuss and attempt to promote professional methods in the teaching field. Other music organizations of the College are the *College Choir*, *Madrigal Singers*, and *Choral Club*. These are important factors in the life of the College. They select their members through tryouts at the beginning of the session and give several concerts each year.

The Student Education Association is a national organization of prospective teachers enrolled in colleges and universities. The J. L. Jarman Chapter was organized at Longwood College in 1939. It is affiliated with the Virginia Education Association and the National Education Association. Its purpose is to foster professional interest in the field of education.

The Colleagues comprise a group of sophomores whose sole purpose is to make the initial contact with college life as warm and pleasant an experience as possible. They help the freshmen through orientation and enable them to meet many new friends. They sponsor five events for them: a sing, a movie, the capping ceremony, a concert, and a banquet. But, best of all, they convey to them that special spirit of friendliness that is one of the most cherished traditions at Longwood College.

PUBLICATIONS

The students of the College sponsor four publications: *The Rotunda*, *The Gyre*, *The Virginian*, and *The Student Handbook*.

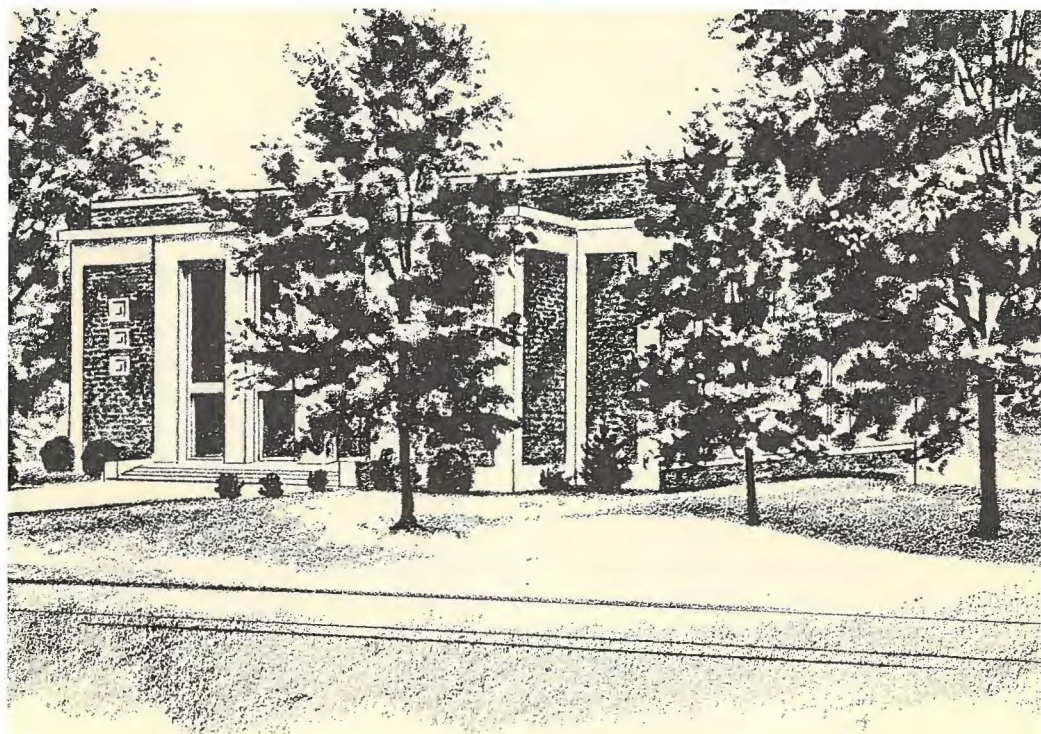
The Rotunda is the College newspaper which keeps the students and faculty informed of events and the interests of the College as observed from the point of view of the students. It not only expresses the attitude of the students toward various phases of College life and current activities, but also exerts an important influence in the development of the ideals of the College community.

The Gyre is a literary magazine to which students contribute essays, poetry, short stories, and other writings. It sponsors contests, from time to time, to stimulate literary effort.

The Virginian is the yearbook of the College. Students are responsible for the art work, the editing, and the management of the publication. Each issue represents a cross section of College life for the

year. It is, therefore, highly valued by the members of the graduating class.

The Student Handbook is the manual of rules and regulations governing the conduct of the students. In addition, it contains the constitutions and by-laws of the Student Government Association, the Young Women's Christian Association, and the Athletic Association, briefer descriptions of other organizations, and a description of the customs and traditions of the College. It serves as the orientation textbook for all new students.



*Financial Information

FEES AND EXPENSES FOR STUDENTS LIVING IN RESIDENCE HALLS

	Virginia Students	Non-Virginia Students
Tuition**	\$ 340.00	\$ 640.00
Comprehensive Fee***	830.00	830.00
Activities Fee	30.00	30.00
Total—Nine Months Session.....	\$1200.00	\$1500.00

*Because of the uncertain conditions prevailing with respect to the cost of operating the institution, the College reserves the right to change its rates at any time throughout the year to meet such additional costs.

**See *Overload*, p. 44.

***Includes charges for Room, Board, Laundry, Post Office, Infirmary and any other applicable fees.

FEES AND EXPENSES FOR STUDENTS NOT LIVING IN RESIDENCE HALLS

	Virginia Students	Non-Virginia Students
Tuition	\$340.00	\$640.00
Comprehensive Fee*	70.00	70.00
Activities Fee	30.00	30.00
<hr/>		<hr/>
Total—Nine Months Session	\$440.00	\$740.00

Overload

Students taking an overload will be charged \$15.00 for each semester hour of work taken in excess of 17 semester hours per semester. For students who entered prior to 1965 this charge will be made if the student carries more than 18 semester hours of work per semester.

Classification as a Virginia Student:

Title 23, Sec. 7 of the 1950 Code of Virginia states: "No person shall be entitled to the admission privileges, or the reduced tuition charges, or any other privileges accorded by law to residents or citizens of Virginia, in the State institutions of higher learning unless such person has been a bona fide citizen or resident of Virginia for a period of at least one year prior to admission to said institution, provided that the governing boards of such institutions may require longer periods of residence and may set up additional requirements for admitting students."

Special Students

Virginia students taking four or more classes will be charged full rates. Virginia students taking less than four classes will be charged at the rate of \$45.00 per class. Non-Virginia students will be charged an additional fee of \$30.00 per class.

Graduate Students

For students taking graduate courses at the College, the charge is at the rate of \$60.00 for each course carrying three semester hours credit. For non-Virginia students, there will be an additional charge of \$30.00 per course. Graduate students registering for thesis work will pay a fee of \$120.00. This amount is to be paid only once.

*Because of the uncertain conditions prevailing with respect to the cost of operating the institution, the College reserves the right to change its rates at any time throughout the year to meet such additional costs.

Student Teaching

Virginia students while enrolled in student teaching will be charged \$85.00, which is one-half of the semester's tuition.

Non-Virginia students while enrolled in student teaching will be charged \$160.00, which is one-half of the semester's tuition.

Students who do student teaching in nearby schools and are campus boarders will also be charged a pro-rata amount for room, board, laundry, post office rent, and activities fee.

Day students who do student teaching in nearby schools will also be charged a pro-rata amount for the college activity fee.

Application and Room Reservation Fees

An advance registration fee of \$10.00 is required of *all* undergraduate students (both day and boarding). For new students, this payment must accompany the preliminary application for admission; for upperclass students, the payment must be made at the Business Office before March 15 by those planning to return to College during the following session. This fee is not refundable. For former students, an additional advance payment of \$50.00 will be required in order to hold the room reservation, which payment must be made by May 1. New students are required to pay the room reservation fee of \$50.00. The date this payment is due will be indicated in the admission letter. The room reservation fee will be credited to the student's account when registration is completed in September. This payment of \$50.00 is not refunded except for personal illness certified by a physician or with the approval of the President for unavoidable emergency or for students who do not have the required quality point rating by the end of the session.

Course Changes

All changes made by students in class schedules after registration must be approved by the student's faculty advisor and by the Registrar.

Any course change requested by a student after registration, whether it be an addition, a section change, or a drop, will require the payment of a course change fee of \$2.00.

Exceptions to the above course change fee are as follows:

1. Upon presentation to the Registrar a signed statement from the College Physician testifying as to the necessity for a change in schedule for reasons of health.
2. When the course change is necessitated by a mechanical or human error in the process of registration.

3. When the course change is made for the convenience of the college.

No student is permitted to enroll in a course for credit later than one week after classes begin in any semester. Any student who withdraws from or "drops" a course after two weeks from the date classes begin in any semester will receive a grade of "F" in the course unless the withdrawal is due to advice of the College Physician or to the withdrawal of the student from college.

No credit is allowed for any course taken for which the student has not registered and which is not listed on the approved schedule of classes filed in the Registrar's Office.

Gymnasium Suits

All freshmen, and all transfer students who do not have credit for courses in physical education, must purchase an official gymnasium outfit of two suits. The charge for these is approximately \$17.00. Order blanks are sent to students after they have been accepted for admission.

Diploma Fee

A fee of \$10.00 will be charged for a Bachelor's diploma and \$10.00 for a Master's diploma.

Special Examination Fee

A charge of \$5.00 is made for each deferred examination and for the one re-examination permitted each senior.

Automobile Registration Fee

Only seniors will be permitted to have cars on campus. Cars must be registered with the campus police who will issue parking permits. A charge of \$2.00 will be made for each parking permit.

Method of Payment

All tuition and fees are payable by the semester, on or before registration. Students are not allowed to register for any semester at the College until all previously incurred college expenses have been paid or adequately secured. No credit for college work may be given to any student for a diploma, a teacher's certificate, or for transfer purposes until all financial obligations to the College, other than student loans, have been paid.

Refunds

The following charges and refunds will be made to students withdrawing from college:

Fees. A student withdrawing from the College within ten days after registering will have refunded all fees paid less \$75.00, plus a daily prorated charge for the comprehensive fee covering the actual time in residence. This amount not refunded includes \$15.00 for registration, \$10.00 application fee, and \$50.00 room rent. A student withdrawing from the College after the first ten days, but before the middle of the semester, will have refunded all fees paid less \$100.00, plus a daily prorated charge for the comprehensive fee covering the actual time in residence. This amount not refunded includes \$15.00 for registration, \$10.00 student activities fee, \$10.00 application or readmission fee, \$50.00 room rent, and \$15.00 general expense. In addition to these charges, out-of-state students will pay full tuition for the semester.

After the middle of the semester the only fee refunded will be a daily prorated amount for the unused board fee.

Exceptions. Refunds will be made at the discretion of the President of the College to students whose connection with the College terminates on account of personal illness, certified by the College Physician, unavoidable emergency, or whose connection with the College terminates on account of disciplinary action or enforced withdrawal.

Guests

Students entertaining guests in the College dining hall are charged the following rates, tax included: Breakfast, 70¢; lunch, 95¢; dinner, 1.10.

Former students of the College are always welcome, and are not charged for meals for a period not exceeding two days, with the exception of two week ends. On the week ends of the Geist Festival and May Day, guests, including alumnae, are charged for meals at the rate stated above.

Students are not permitted to invite guests for week end visits unless the invitation is approved by the Head Resident. Meals for guests, other than alumnae, are charged at the rate stated above. Meal tickets may be secured from the Information Office.

FINANCIAL ASSISTANCE

The College offers three types of financial assistance to students in need of such aid: part-time employment, scholarships, and loans. Application should be made to the Director of Admissions and applicants must be approved by the faculty committee on Student Financial Aid.

Part-Time Employment

A limited number of part-time positions are available each year in the dining room, library, and offices of the College. Students employed in the dining room earn from \$552.00 to \$765.00 per session. Those employed in clerical and library positions may earn from \$150.00 to \$360.00 per session. Application for a part-time position should be made to the Director of Admissions before May 1. Early application is advised.

Scholarships (Available through Longwood College)

Scholarships for Prospective Teachers. The General Assembly of Virginia has provided a number of scholarships for students in Virginia colleges who are residents of the State and who are enrolled in approved courses of study preparing them to be teachers in the public elementary and secondary schools. These scholarships are valued at \$350.00 per year. They are open to all qualified students; however, preference is given to applicants proposing to teach in the elementary schools. For each year that the student receives a scholarship, she must agree to teach in Virginia's public schools one year, thereby cancelling the indebtedness and interest. If she does not teach, she must repay the amount received plus interest. All scholarship applications must be endorsed by the College and sent to the State Department of Education, Richmond, prior to May 1.

The Dabney Stewart Lancaster Scholarship. Established in 1955 by the Student Government Association, this scholarship is awarded annually to a member of the sophomore, junior or senior class. The name of the winner of the award is announced at Senior Assembly in May.

The Mary Clay Hiner Scholarship. Established in 1962 by a gift of Mrs. Earl Crafts. Appropriate officials of the College will select each year the student or students who will receive financial assistance.

The Eureka Ashburn Oliver Scholarship. The Mrs. Samuel C. Oliver (Eureka Ashburn, 1891-93) scholarship of \$100 each year for four years awarded to lineal descendants. If there should be no lineal descendant, then the scholarship is to be given to students of outstanding ability who need financial assistance from Nansemond County, selected at the discretion of the Admissions Committee of the College. When there are no applicants, the funds shall accumulate until there are applicants from her lineal descendants or from Nansemond County.

The Leola Wheeler Scholarship. Established by the Longwood Players in memory of a former professor of speech and drama. The schol-

arship will be awarded annually in the spring to a student majoring in English who has demonstrated particular interest and ability in the field of speech and drama. The stipend will be at least \$200.00, and the scholarship is renewable.

The Gamma Theta-Kappa Delta Alumnae Scholarship. In 1949, the Gamma Theta local sorority (1911-1949) became the reactivated Alpha Chapter of Kappa Delta National Sorority. This scholarship is awarded annually to a student on the basis of academic achievement and financial need. The stipend is \$200 annually.

The John P. Wynne Scholarship. Established in 1964, this scholarship is awarded annually to a member of the junior class, and the Student Education Association for use during the senior year. Selection is based on academic excellence and financial need. Applications should be made to the Executive Board of the Association.

The Alumnae Scholarships. The following Alumnae chapters give scholarships to outstanding graduates of high schools in their respective communities: Farmville (Mary White Cox Memorial Scholarship), Lynchburg (Letty Laughon Scholarship), Norfolk, Peninsula (J. L. Jarman Scholarship), Petersburg, Richmond, and Roanoke.

The Lions Club Scholarships. The Farmville Lions Club offers annually two scholarships of \$150.00 each to be awarded to a boy and a girl from Prince Edward County or vicinity. The main factor in choosing between acceptable applicants shall be financial need. All other factors being equal, preference shall be given to applicants for Hampden-Sydney College and Longwood College. The scholarships are renewable.

The Worthy Johnson Crafts Scholarship. Established in 1964 by a gift of Dr. Earl Crafts in honor of his wife, Mrs. Worthy Johnson Crafts, first teacher of home economics and founder of the first department in this field at Longwood College. Proceeds from this gift provide a scholarship for a student or students in home economics.

The Olive T. Iler Award. Established in 1967, the award is presented annually to a junior majoring in physical education who has demonstrated outstanding personal qualities, high ideals, good scholarship, and professional ethics.

The Edith Stevens Scholarship. Established in 1968, this scholarship is awarded annually to an outstanding junior biology major in memory

of Edith Stevens, Associate Professor of Biology at Longwood College from 1925 to 1945.

The Kappa Delta Founders' Scholarship. Established in 1968, the Kappa Delta Founders' Scholarship is awarded annually to an initiated member of a National Panhellenic Conference sorority with a chapter located on the Longwood College campus. Selection is based on academic achievement, financial need and service to the College and to the applicant's sorority. The amount of the scholarship is \$250.00.

Loan Funds (Available through Longwood College)

Unless it is otherwise noted in the description of the funds listed below, applications for loans should be made to the Director of Admissions. Except in cases where a different rate is indicated, all loans bear three per cent interest.

The National Defense Student Loan. Longwood College is approved for participation in the National Defense Education Act of Congress. Needy and capable undergraduate and graduate students may borrow from this fund at a low rate of interest. Five years of teaching in public schools cancels fifty per cent of a loan.

The Jennie Masters Tabb Memorial Fund. The alumnae and friends of Jennie Masters Tabb, Registrar of the College and secretary to the President from 1904-1934, established in 1945 a loan fund in her memory.

The Mary White Cox Memorial Loan Fund. Established in 1945 as a memorial to Miss Mary White Cox by a gift from an alumna of the College.

The J. L. Jarman Loan Fund. The Norfolk Chapter of the Alumnae Association established in 1942 a loan fund in honor of Dr. J. L. Jarman.

The Carrie Fowles Memorial Loan Fund. Established in 1945 by the will of Mrs. Lula Bradshaw Turpin in memory of Carrie Fowles, who was a student at the College in 1899.

The Robert Frazer Memorial (The Virginia Normal League) Loan Fund. The Virginia Normal League, organized by Dr. Robert Frazer in 1899 as a means of establishing a student loan fund, has been changed in name to the Robert Frazer Memorial Loan Fund.

The Cunningham Memorial Loan Fund. The alumnae of the College who were graduated during the administration of Dr. John A. Cunningham, from 1886 to 1896, raised a fund, intending to establish a

scholarship in memory of his faithful and loving service to them and to the State, feeling that the most fitting tribute that could be paid him would be the effort to give to those who are unable to obtain it for themselves the training for the work to which he devoted his life. When this fund amounted to \$1,000 it was changed from a scholarship to a loan fund.

The Fay Byrd Johnson Memorial Loan Fund. Established in 1946 by the Zeta Tau Sorority.

The Alpha Phi Sigma Loan Fund. Established in 1931 by Alpha Phi Sigma Society.

The Alpha Sigma Alpha Loan Fund. Established by the Alpha Sigma Alpha Sorority on March 6, 1937.

The Alpha Sigma Tau Loan Fund. Established by the Alpha Sigma Tau Sorority in March, 1942.

The Tri-Sigma Loan Fund. Established by Sigma Sigma Sigma Sorority at the Golden Anniversary of the College in March, 1934.

The Zeta Tau Alpha Loan Fund. Zeta Tau Alpha, which was founded at the College in 1898, has established a student loan fund honoring the memory of one of its founders, Maude Jones Horner. The fund is used to aid deserving seniors. Loans are interest free.

The Longwood Players Loan Fund. Established by the Dramatic Club in March, 1940.

Additional Loan Funds Available

The Prince Edward Chapter Alumnae Loan Fund. This fund was started as a branch of the Virginia Normal League. Loans are interest free. Applications for loans should be made to Mrs. W. J. Sydnor, Farmville, Virginia.

The Methodist Student Loan Fund. Available to qualified Methodist students registered and in attendance at the institution of her choice. Interest at one percent (1%) during school attendance, and three percent (3%) thereafter. Repayment period limited to six years. Application should be made to the Director, Wesley Foundation, Farmville, Virginia.

The United Daughters of the Confederacy Loan Fund. The Virginia Division of the United Daughters of the Confederacy has established the Kate Noland Garnett Loan Fund. This loan amounts to \$150 and is granted to a sophomore, junior, or senior who is a lineal descendant of a

Confederate soldier. Applications should be directed to Mrs. J. J. Robbins, Virginia Division Chairman of Education, United Daughters of the Confederacy, Route 2, Hot Springs, Virginia.

The Daughters of the American Revolution Loan Fund. The Daughters of the American Revolution have established a student loan fund for the aid of worthy students in Virginia colleges. Not more than \$300 is available for any one institution, and no student may borrow more than a total of \$300 or more than \$150 in one session. This loan is available only to juniors and seniors.

The Daughters of the American Revolution Loan Fund. Thomas Nelson Chapter, Arlington, Virginia. A revolving loan fund of \$100, without interest, has been made available by the Chapter. Preference will be given to applicants from the Arlington area of Virginia.

OTHER AID

Longwood College participates in the Education Opportunity Grant Program sponsored by the Federal Government. Application for this aid is made to the Director of Admissions, Longwood College.

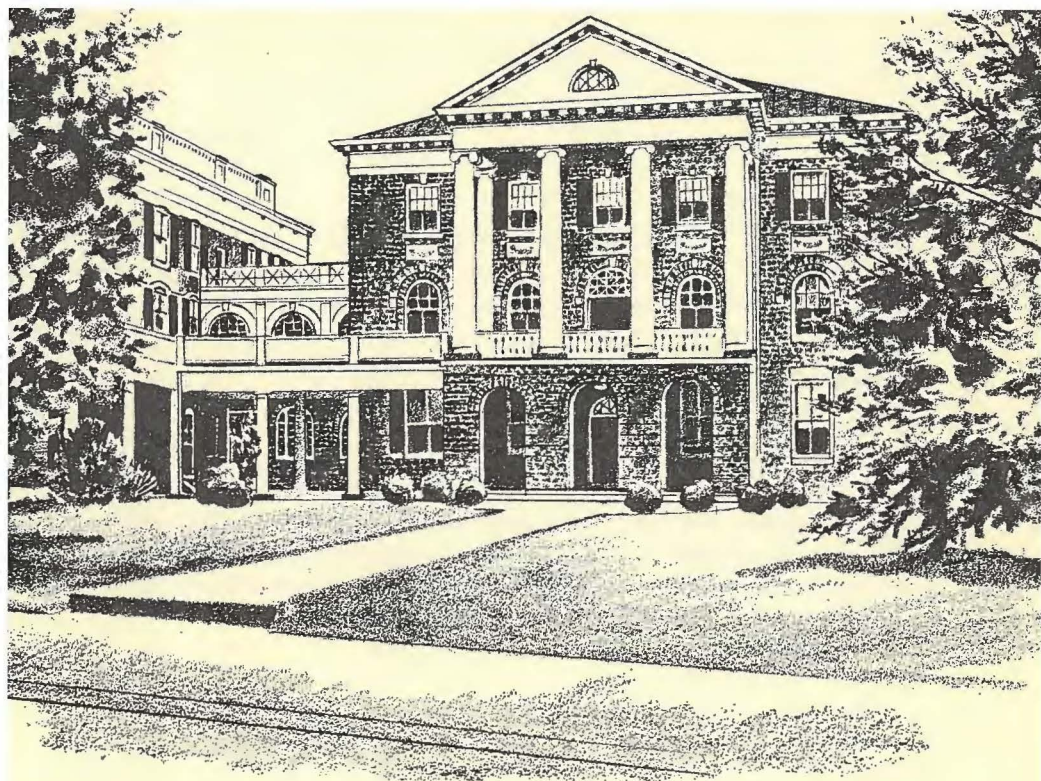
The R. C. Simonini Memorial Scholarship. Established in 1968 by the Virginia Association of Teachers of English, this work scholarship is awarded annually to an English major selected by a committee from the English department faculty. The holder of this renewable scholarship will receive up to \$300.00 a session for part-time secretarial work for the Virginia Association of Teachers of English in the office of its executive secretary at Longwood.

INSTALLMENT PAYMENT OF FEES

The Tuition Plan, Incorporated—For those parents who wish to pay for college costs in installments, the college offers the services of *The Tuition Plan, Inc.* Parents who apply may have *The Tuition Plan, Inc.* send to the college those fees which are due the school, and monthly payments may be made to The Tuition Plan. All parents may apply for at least a one-year contract, and most parents may apply for a two-three-, or four-year contract, if they desire.

Not a financial aid program. The Tuition Plan is particularly desirable for parents for whom installment payments are more practical. Money is available from The Tuition Plan *only* for those expenses for which the student is billed by the college.

A descriptive brochure on the program may be secured from *The Tuition Plan, Inc.*, 575 Madison Avenue, New York, New York 10022.



Academic Regulations

Summarized in this section are important regulations related to the academic work of the College. *Students should be familiar with these as they undertake their studies in this institution.*

COURSE NUMBERS

The courses listed in this catalogue that are numbered between 100 and 199 are designed primarily for first-year students; those between 200 and 299 are for second-year students; those between 300 and 399 are for third-year students; and those between 400 and 499 are for fourth-year students. Undergraduate Honors Courses are numbered 498 and 499. Courses numbered from 501 to 599 are for graduate students and advanced undergraduates. Numbers 600 to 699 are for graduate students only.

Students are not permitted to enroll in courses that are more than one year above or below their classifications, except with the permission of the Dean of the College.

CREDITS

The College is organized on the semester plan. The credit hour, abbreviated as "credit," is the semester hour. For example, a class meeting three fifty-minute periods a week for one semester gives three credits.

STUDENT LOAD

The average schedule of a student during a semester includes classes giving from fifteen through seventeen credits. Boarding and regular students are required to carry a class load giving a minimum of twelve credits. A student may carry as many as seventeen credits without special permission. A schedule beyond that amount requires special permission from the Registrar. Such permission is rarely granted to a student whose academic average for the preceding semester is less than "B."

COURSE CHANGES

All changes made by students in their class schedules after registration must be approved by the student's faculty adviser and by the Registrar.

No student is permitted to enroll in a course for credit later than one week after classes begin in any semester. Any student who withdraws from or "drops" a course after two weeks from the date that classes begin in any semester will receive a grade of "F" in the course unless the withdrawal is due to advice of the College Physician or to the withdrawal of the student from college.

No credit is allowed for any course taken for which the student has not registered and which is not listed on the approved schedule of classes filed in the Registrar's office.

ADJUSTMENTS IN CURRICULUM REQUIREMENTS

The College recognizes that the prior achievement of the students whom it admits varies greatly in the subject matter fields. For example, some are much more proficient in a subject such as English composition than are others. As a result, any requirement that all students must enroll in identical basic courses in the freshman or later years usually results in heterogeneous classes in which the well-prepared student is not challenged or the student with the usual preparation is confronted with exceedingly difficult tasks.

Because of these differences in prior achievement, the College offers every student an opportunity to demonstrate her achievement in a required subject prior to enrolling in it. This may be done by the use of an oral or written examination, or a conference, at the discretion of the

faculty member involved. At times, this evaluation may be made after the student has been enrolled in a course for one semester. Unusual proficiency demonstrated in the first semester of a two semester course may indicate that the student should not continue in the same course but enroll in one of a more advanced nature.

In any case wherein the student is found to have a satisfactory knowledge of a subject prior to enrolling in it, or after completing a part of her study in it, the chairman of the department in which the subject is taught will notify the Registrar. In such a notification, he will state that the student is excused from taking the subject and will indicate the subject or course that may be taken in its stead. This may be an advanced course in the same subject or an elective course in any field, chosen with the advice of the chairman.

As the above indicates, the student is not granted college credit for prior achievement. However, recognition of such achievement enables her to plan a program of study that is challenging and in accord with her individual needs.

ADVANCED PLACEMENT

Longwood College offers advanced standing to superior students in the fields of English composition, literature, European history, American history, French, Spanish, biology, chemistry, physics and mathematics. Advanced Placement examinations are given by the COLLEGE ENTRANCE EXAMINATION BOARD. It should be noted that these are different from the usual College entrance examinations given by the same Board. This Board makes available each year in May at regular examination centers, advanced placement examinations in the several fields. Any student whose performance on these tests is satisfactory will be allowed to skip the beginning course in the particular field and obtain the semester hours of credit which that course carries toward the bachelor's degree. For example, if the student takes the advanced placement examination in American history and makes a satisfactory score, that student will not be required to take the beginning course in American history, and she will be granted six semester hours of credit toward her degree on the basis of the examination. The examinations are administered by the Educational Testing Service. Detailed information on testing dates, examination centers, and all other matters relating to the administration of the examinations, is available without cost in the bulletin of information entitled "Advanced Placement Examinations." This bulletin may be obtained by writing to: College Board Advanced Placement Examinations, Box 592, Princeton, New Jersey.

Examinations for advanced standing in other departments are administered by the Longwood College faculty of the department concerned by appointment.

CLASS ATTENDANCE

The College has no uniform system of class absences. The loss incurred by a student for absences depends upon the nature and the amount of work missed, of which the instructor is the sole judge.

A student is expected to attend all classes. This applies to days prior to and after vacations scheduled in the college catalogue. The student assumes full responsibility for the loss she incurs because of absence. An instructor may require an explanation of any or all absences from his class. He will judge the validity of these explanations and will decide whether or not they justify permission for the student to make up the work missed.

The only exceptions to the above are the cases: (1) of a student's absence because of illness or (2) of a student's participation in a college activity approved by the Dean. Instructors are asked uniformly to permit students to make up work missed when the absence results from either of these causes. He may, however, demand that the student supply him with an excuse signed by the College Physician or some other physician in the case of an illness. Approval of college activities will be posted on the faculty bulletin board.

No credit will be given for any course in which a student fails to attend at least two-thirds of the class meetings, even though her absences are due to illness or emergency.

Full information regarding class attendance and absences is given in *The Student Handbook* which is sent to every student during the summer months.

GRADES:

The achievement of a student in a course is indicated by the grade that she receives. The significance of these marks is indicated below:

A: Superior or excellent college work

B: Above average college work

C: Average college work

D: Below average but passing college work

F: Failure

I: This grade indicates that because of illness or for other good reasons the work of the semester has not been completed.

When this work has been completed acceptably, a final grade will be reported. **A grade of "Incomplete" will revert automatically to a grade of "F" after one semester if the necessary make-up work has not been completed.**

WP: This symbol indicates that a student withdrew from a course but was passing the work at the time that she withdrew. It is used in cases of students dropping courses after the four-week period at the beginning of a semester for medical reasons and for those who withdraw from the College prior to the end of a semester.

WF: This symbol indicates that a student withdrew from a course and was failing the work in it at the time that she withdrew. It is used in cases of students dropping courses after the four-week period at the beginning of a semester and those who withdraw from the College prior to the end of a semester.

The lowest passing grade is "D." However, for a degree or a certificate a student must earn a general average of "C" (a quality point average of 2.00) on all of her college work. Also she must have a general average of "C" in those courses constituting her major subject or field. At times, it is necessary for a student to repeat certain courses or enroll in additional courses in order to raise her average to these requirements. However, *credit will be granted only one time for any course.*

At the end of the first half of each semester of the regular session, mid-semester grade estimates are issued to freshmen and their parents or guardians. Estimates are also issued at this time to upperclassmen who are on academic probation or who have a grade of "D" or "F" in any course. These are not official grades. Instead, they represent the instructors' estimates of the students' progress up to that point. At the end of each semester, reports are issued to students and their parents or guardians showing the final grade earned in each course in which they are enrolled.

QUALITY CREDITS

The quality of work completed by a student is recognized by the assignment of points to various grades.

The Four Point System

For each credit of:	A grade—4
	B grade—3
	C grade—2
	D grade—1
	F grade—0

Under the "Four Point" system, all grades made on courses will be permanently retained in computing a student's quality point average.

On the basis of this point system, a student's quality point average may be computed by dividing the number of quality points that she has earned by the total number of credits assigned to the courses in which she has been enrolled. A student's quality point average is based only on work taken at Longwood College.

SCHOLASTIC ACHIEVEMENT NECESSARY TO REMAIN IN COLLEGE

Academic probation is a state of warning and indicates that the student's academic work is not satisfactory. Students, with the exception of freshmen, whose cumulative quality point average is below 2.00 at the end of any semester, are placed on academic probation. Freshmen must achieve a quality point average at the end of the first semester of 1.60; at the end of the second semester, 1.80. Academic probation may be removed by increasing the quality of academic performance during the regular session and/or attending summer session at Longwood College.

Students failing to maintain the required quality point average will be automatically dropped:

1. After the first year of residence with a quality point average of less than 1.80.
2. After two or more years of residence with a quality point average of less than 2.00. Students who have been enrolled for course work totalling sixty hours' credit are considered to have two years' residence.

Students who are automatically dropped because of failure to meet the required quality point average may return to Longwood College during the following Summer Session in an effort to remove themselves from academic probation. If, at the end of this Summer Session, a student fails to remove herself from academic probation, she may enroll in a second Summer Session in an attempt to raise her grade average to the required level. If she is unsuccessful, she will be dropped from the rolls permanently. During the interim between summer sessions, she is not permitted to enroll in the College.

Transfer students entering Longwood College must achieve a quality point average of 2.00 on work taken at Longwood in order to be eligible to return the following year.

Students on academic probation may not transfer credit earned at other institutions during the probationary period.

STUDENT TEACHING

All students enrolled in teacher education curricula undertake supervised teaching during their senior year. Each student is assigned to work with a regular teacher in a public school located off the campus. The student teaching period consists of a concentrated block of full-time teaching and observation. This involves a minimum of 175 clock hours of directed teaching and 25 hours of directed observation. Six or eight semester hours of credit are earned in student teaching for the period. No additional work may be taken during the student teaching period.

ADMISSION TO THE PROGRAM OF TEACHER EDUCATION

INITIAL INTEREST

A student may, at the time of admission to college, declare an intent to enter a curriculum leading to teacher education and be eligible for a Virginia State Teaching Scholarship. In addition to the prescribed prerequisites for admission, special consideration to health, scholarship, character, and teaching potentialities is made of the applicant. The Director of Student Teaching serves as a consultant to the Committee on Admissions on all applications of students declaring an intent to pursue a teacher education program. Applicants who possess physical defects or histories of emotional disorders are required to submit to a personal interview at which time a committee passes on each case prior to admission to college. This committee is composed of the Director of Admissions and the Director of Student Teaching.

FINAL APPROVAL

Admission to the college does not constitute admission to the program of teacher education. Final admission to the teacher education program is given normally during the fifth semester of the student's program or to students that have earned at least sixty semester hours credit. The Committee on Teacher Education serves as the screening committee for admission.

The Committee on Teacher Education consists of six members: The Chairman of the Department of Education, The Director of Student Teaching, two College Supervisors of Student Teaching, and the Chairman of the Department and Departmental consultant in which the student is majoring. The Director of Student Teaching serves as Chairman.

Applications for approval in a teacher education program may be filed after a student has completed at least sixty semester hours credit.

The student files an "Application for Acceptance in Teacher Education and Student Teaching." Included in the application form is a formal recommendation signed by the departmental chairman of the student's major.

The Committee on Teacher Education employs the following criteria and procedures in its screening program for final admission:

1. The student must be a senior and shall have completed 90 semester hours of work.
2. The student must present evidence of the satisfactory completion of a broad background in general education.
3. The student must have adequate preparation in her major field or fields of concentration with a cumulative average of "C" on work taken at Longwood College.
4. The student must demonstrate adequate preparation in his professional courses with a minimum grade of "C" on each course or a "C" average. For secondary majors this shall include *Developmental Psychology*, *Educational Psychology* and *Principles of Secondary Education*. For elementary majors this shall include *Developmental Psychology*, *Educational Psychology*, *Language Arts*, *Principles of Reading*, and *Principles of Elementary Education*.
5. The student must possess good health and freedom from physical and emotional handicaps which would prove detrimental to success in teaching.
6. The student shall have successfully passed a speech proficiency test administered by the Department of Speech and Dramatic Art.
7. The student shall have demonstrated effective command of communicative skills.
8. The student shall have the recommendation of the departmental chairman of her major field that she be allowed to pursue a teacher education curriculum.
9. The student may, at the discretion of the committee, be required to submit evidence or pass such tests regarding her physical, emotional or academic proficiency as may be deemed necessary.

STUDENT APPEAL

Students denied admission to the teacher education program may submit their appeal to an appeal board consisting of the Dean of the

College, the Director of Student Teaching, and the Departmental Chairman of the student's major.

CERTIFICATION REQUIREMENTS

In order to satisfy certification requirements of the Virginia State Board of Education, the student must complete the appropriate student teaching program described below:

1. The elementary major seeking endorsement in Kindergarten and Grades 1, 2 and 3 is required to engage in student teaching for a ten-week period during the Fall Semester of her senior year.
2. The elementary major seeking endorsement in Grades 4, 5, 6 and 7 is required to engage in student teaching for an eight-week period during either the Fall or Spring Semester of her senior year.
3. The student seeking endorsement in a subject area at the high school level is required to engage in student teaching for an eight-week period during either the Fall or Spring Semester of her senior year. A summer student teaching program is also provided for endorsement at this level. This program is open only to degree candidates at Longwood College and is limited with respect to size of enrollment and subject areas.

Longwood College does not recommend a student for certification as a teacher if her grade in student teaching is below "C."

ACADEMIC HONORS

The College recognizes superior scholarship through its Dean's List and the announcement of an honor list at each commencement. The Dean's List is published at the end of each semester. Students whose names appear on it are those who have earned an academic average of 3.50 or above on a minimum of 12 semester hours of work taken in the semester with no grade below "C." Students eligible for the Dean's List must complete all courses in the semester for which they are registered. A grade of "I" on a student's record prevents consideration of her for this honor.

Those students whose general averages for four years of study are 3.35 or above are graduated with the following honors: 3.35-3.54, "Cum Laude"; 3.55-3.74, "Magna Cum Laude," and 3.75-4.00, "Summa Cum Laude." The College also recognizes graduating seniors who have successfully completed an honors program in a specific academic area.

EXAMINATIONS

Written examinations are given during a designated period at the end of each semester to every student enrolled in each course in the College. These are each three hours in length.

Re-examinations are not permitted for freshmen, sophomores, or juniors. A senior student is permitted *one* re-examination during her senior year. This may be in either the first or second semester. A fee of five dollars is assessed for this re-examination.

REPETITION OF COURSES

Students may repeat courses in which they have unsatisfactory grades in an effort to raise such grades; however, *credit will be granted only one time for any course*. Both the original and the repeated grade will be retained on the student's permanent record and contribute to the student's average. Approval from the appropriate departmental chairman and the Dean must be secured before a student attempts to raise a grade on a course at an institution other than Longwood.

TRANSFER OF CREDITS

The College accepts, on transfer, credits of acceptable grade earned in other accredited colleges and universities provided such credits may be applied toward the requirements for a degree in this institution. Grades earned at other institutions will be recorded at Longwood College in terms of semester hours of credit earned if the transfer grade is "C" or better. Transfer credits of a grade quality of below "C" are not accepted.

Permission to take off-campus work in other institutions which will be transferred as credit to Longwood College must be obtained *prior* to the taking of such work from the Office of the Dean.

The cumulative quality point average of each student will be calculated on work taken only at Longwood. Transfer credit accepted from other institutions will be used to reduce the number of credits required for graduation but will not enter into the calculation of the quality point average.

Not more than fourteen semester hours of correspondence course credit and not more than thirty semester hours of extension class and correspondence study combined may be credited toward a degree. The College does not accept, on transfer, credits earned through correspondence courses in the natural and physical sciences and certain other subjects. Students must obtain approval to include in their degree program correspondence and extension courses prior to enrolling in

them. Otherwise, the College can assume no responsibility for accepting such credits on transfer.

The College cannot grant a student permission to enroll in a correspondence or extension course until after the student has attended this institution for at least one full summer session or a semester of the regular session.

When a student is enrolled in the College and enrolls also in a correspondence or extension course, the credit to be earned in the course will be counted in the total load of work that she is permitted to carry.

GRADUATION REQUIREMENTS

The College awards the bachelor's degree to a student who has fulfilled the following requirements:

1. Completion of all study required in one of the four degree programs offered by the College.

2. Completion of a course of study giving a minimum of 126 semester hours of credit with a minimum general average of "C" in all work taken and a minimum general average of "C" in courses taken in the major subject or field.

3. Successful completion of an English proficiency examination to be taken during the junior year. The nature of the examination will be prescribed by the student's major department, which may permit the student to take an advanced course in English composition in lieu of the proficiency examination. When such a course is taken, the department may require a minimum grade of "C."

4. Attendance as a student for at least one session consisting of two semesters,* including the last semester immediately preceding graduation. (One ten-week summer session in which the student carries a full load of courses may be substituted for one semester, but no student can be graduated on the basis of summer work alone.)

5. Not more than fourteen hours by correspondence nor more than thirty hours by correspondence and/or extension.

6. The maximum length of residence within which the requirements for a degree must be met is ten semesters.

*The term "semester" for residence purposes normally involves classes giving from fifteen to seventeen credits.

7. Approval of the individual by the general faculty as a worthy candidate for graduation.

8. An *Application for Graduation* must be filed with the Registrar at least 60 days prior to the date of graduation.

It is the sole responsibility of the candidate for graduation to meet all of the above requirements, including the completion of 126 semester hours of work.

CHANGES IN REQUIREMENTS

Progressive development in the College forces frequent revision of curricula. In every new catalogue some improvements are indicated. When no hardship is imposed on the student because of changes, and when the facilities of the College permit, the student is expected to meet the requirements of the latest catalogue. In this way, the student may realize the benefits of improvements in her curriculum that she would be unable to realize were she to follow the curriculum in effect at the time that she entered the College. If the student finds it impossible to meet the requirements of the latest catalogue, the catalogue for the year in which she entered becomes the binding one in terms of requirements for her graduation, subject to the stipulation in the succeeding paragraph.

Students returning to the College after an interruption of four or more years of their college study are required to conform to the requirements of the latest catalogue.

ENFORCED WITHDRAWAL

The College will suspend or expel any student who fails to meet the standards of the College and the Student Government Association. In such a case, there will be no refund to the student and there will be no reduction in College charges. No College personnel, including members of the faculty, administration and Student Government Association, shall be held liable for such exclusion.

Programs of Studies

The degrees conferred upon the successful completion of one of several degree programs at Longwood College are Bachelor of Arts, Bachelor of Science, Bachelor of Science in Business Education, and Bachelor of Music Education. A minimum of one hundred and twenty-six semester hours is required for graduation in each of the programs.

For each of the degree programs a total of 48 semester hours is required in General Education. All students must take English 100 and Health Education 100. Students are urged to consult the departmental descriptions of their respective majors to determine other specific courses in the General Education program that may be required. The five areas which comprise the General Education program, together with the number of semester hours to be taken in each, are:

Humanities—18 semester hours

- 6 Art, Music, and Dramatic Arts. The individual departments concerned may indicate which courses will satisfy this requirement.
- 3 English Composition.
- 6 Literature. This includes literature in foreign languages.
- 3 Literature or Philosophy (excluding Philosophy 460).

Social Sciences—12 semester hours

- 3 American History
- 9 Courses in at least two of the following areas: Economics, Geography, Government, History, Sociology, and Anthropology.

Natural Sciences—8 semester hours

One four-hour laboratory course in each of two of the following sciences: Biology, Chemistry, Geology, Physical Science, and Physics. Natural sciences requirements for elementary education majors meet this requirement. Physical Education majors will take prescribed courses in Physiology and Anatomy in addition to a basic four-hour course in General Biology.

Mathematics—6 semester hours

Mathematics 123, 124 are designed for elementary education majors. Students in other curricula will take Mathematics 261, 262; Mathematics 161, 162; or Mathematics 111-112.

Health and Physical Education—4 semester hours

Students are advised to consult with their advisors or the chairman of the department in which they expect to major before selecting courses to meet these requirements.

Those students preparing to teach will take the sequence of courses in Teacher Education. The specific courses to be completed by all prospective teachers are as follows:

Psychology 251, 256	6 semester hours
Education 352, 353, or 354	3 semester hours
Education 357	3 semester hours
Philosophy 460	3 semester hours
Education 400, 401, or 402	6 semester hours
Total	21 semester hours

Furthermore, the student majoring in elementary education must take the additional courses indicated by the Department of Education, Psychology and Philosophy in the next section of this catalogue.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

This degree is available to students completing a major program in art, biology, chemistry, economics, English, French, general science, geography, German, history, mathematics, music, physics, social science, sociology, Spanish or speech and dramatic art.

For those students preparing to teach in one of these areas 12 semester hours in one foreign language must be taken. Other students seeking this degree must take 18 semester hours in one foreign language or 12 semester hours beyond the introductory course and Philosophy 360. These requirements, for both groups of students, are in addition to the general education requirement of 48 semester hours.

The requirements for a major program vary from 30 to 45 semester hours according to the department being considered. They may be found in the section of the catalogue entitled *Departments of Instruction*.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE

The Bachelor of Science degree is available to students who complete a major program in art, biology, chemistry, economics, elementary education, English, general science, geography, history, home economics, mathematics, physical education, psychology, physics, social science, sociology or speech and dramatic art.

For the student preparing to teach there are no additional requirements beyond those in general education and teacher education except as prescribed by the department in which the major program is taken.

Students majoring in psychology must include in their general education program 12 semester hours in a foreign language and 8 semester hours in biology.

Other students seeking this degree must take 30 semester hours in the science fields (24 semester hours required of mathematics majors) and 12 semester hours in one foreign language.

The requirements for a major program vary from 30 to 45 semester hours according to the department being considered. They may be found in the section of the catalogue entitled *Departments of Instruction*.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN BUSINESS EDUCATION

This degree is awarded to students completing a major program in this field as described on page 79. The general education and teacher education requirements are the same as those for the Bachelor of Science or the Bachelor of Arts degree for those students preparing to teach.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF MUSIC EDUCATION

The Bachelor of Music Education degree is awarded to students completing a major program in this field as described on page 114. The general education and teacher education requirements are the same as those for the Bachelor of Science or Bachelor of Arts degree for those students preparing to teach.

COOPERATIVE PROGRAM IN SPEECH PATHOLOGY AND AUDIOLOGY

A Cooperative Program between Longwood College and the University of Virginia has been established to serve an increasing demand for teachers and clinical workers with special training in speech pathology and audiology. The program consists of three years at Longwood and one year at the University. The degree from Longwood College is either a Bachelor of Science or a Bachelor of Arts degree with a major in speech pathology and audiology.

Students interested in the program should consult with the chairman of the Department of Speech and Dramatic Art, Longwood College, or the chairman of the Department of Speech Pathology and Audiology, University of Virginia. An outline of courses is as follows:

First Year (Longwood)

	<i>First Semester</i>	<i>Second Semester</i>
English 100	3	0
History 111-112 or Geography 141-142	3	3
Biology 100 and 101 or 102	4	4
Foreign language, or Mathematics 161, 162 or 111-112.....	3	3
Physical Education 100, choice of 200 courses	1	1
Speech 101, 201	3	3
Elective	0	3
	<hr/>	<hr/>
Total hours of credit	17	17

Second Year (Longwood)

	<i>First Semester</i>	<i>Second Semester</i>
English 211, 212	3	3
History 221 or 222	3	3
Psychology 251, 256	3	3
Mathematics 161, 162 or 111-112	3	3
Foreign language or electives	3	3
Physical Education	1	1
Elective	3	0
Total hours of credit	16	16

Third Year (Longwood)

	<i>First Semester</i>	<i>Second Semester</i>
English 510	3	0
English Literature or Philosophy	0	3
Education 355	3	0
Philosophy 460	0	3
Art, Music or Dramatic Arts	3	3
Foreign language or electives	3	3
Health Education 341	2	0
Psychology 353 or 523	0	3
Speech 100, 401	3	0
Total hours of credit	17	18

Fourth Year (Virginia)

	<i>Semester Hours</i>
Speech Education 105: Phonetics	3
Speech Education 106: The Bases of Speech	3
Speech Education 107: Speech Science	3
Speech Education 108: Experimental Phonetics	3
Speech Education 121: Rehabilitation Programs in Speech and Hearing	3
Speech Education 131: Principles of Speech Correction	3
Speech Education 132: Principles of Speech Pathology	3
Speech Education 142: Voice Disorders	3
Speech Education 151: Introduction to Audiology	3
Speech Education 153: Audiometry	3
Total hours of credit	30

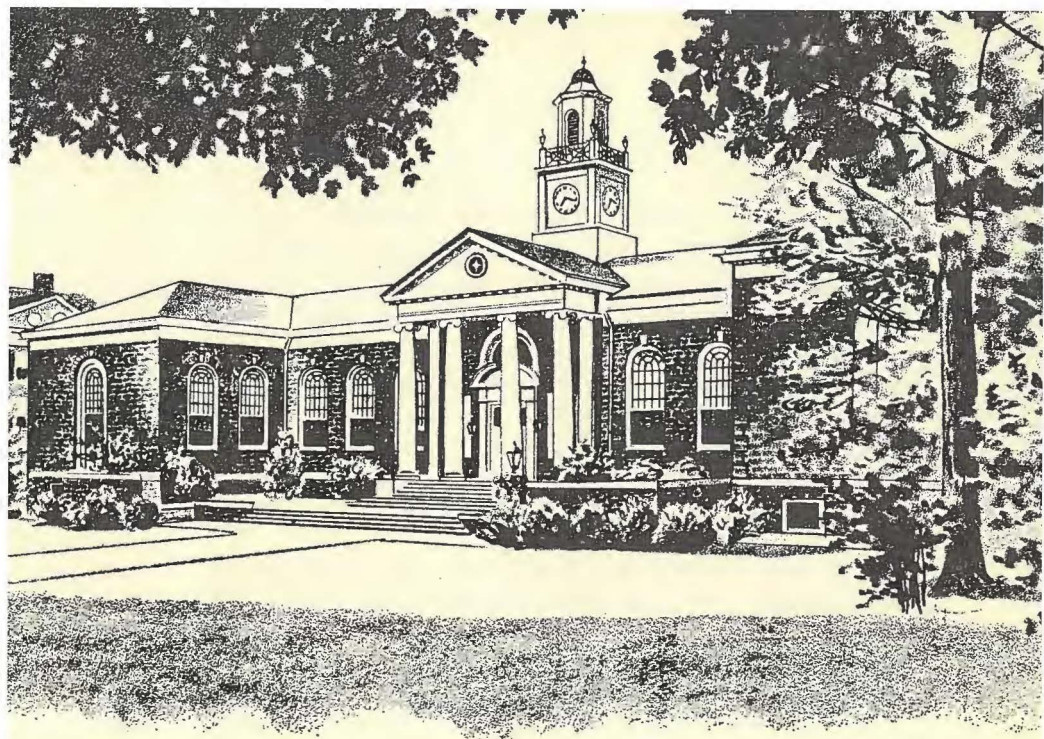
PRE-PROFESSIONAL PREPARATION FOR THE
MEDICAL SCIENCES

This curriculum prepares students for admission to accredited schools of dentistry, medicine, medical technology, nursing, pharmacy, physical therapy, and radiologic technology. Since special requirements

of professional schools vary considerably, prior to registration at Longwood College students should communicate with the professional school they plan to attend.

Longwood College offers several programs in cooperation with medical schools in Virginia. Pre-nursing programs at Longwood fulfill the requirements for the first two years in the degree program at the Medical College of Virginia and the University of Virginia. The three-year pre-medical technology program fulfills the baccalaureate requirements in this field and the fourth year of professional training may be taken from the medical schools. If the fourth year in medical technology is completed at the University of Virginia, the student is entitled to a B.S. degree from Longwood College. When the fourth year in medical technology is taken at the Medical College of Virginia, a B.S. degree in Medical Technology is awarded by that institution.





The Graduate Program

THE DEGREES OF MASTER OF ARTS IN EDUCATION AND MASTER OF SCIENCE IN EDUCATION

The program of graduate studies at Longwood College provides opportunity for broad training on the part of public school teachers and other qualified persons. The program is open to graduates of recognized colleges or universities. Those who are able to qualify and who complete all of the requirements may earn either the Master of Arts degree in Education or the Master of Science degree in Education. Graduate courses are available during the regular academic year on a part-time basis, as well as on a full-time basis in the Summer Session. The policy of Longwood College does not permit the awarding of graduate degrees to its faculty members with academic rank above Instructor.

Admission to Graduate Study

A student who holds a baccalaureate degree from an accredited institution may apply for admission to graduate study. For this purpose he should obtain from the Dean of the College an admissions form. The applicant should have official transcripts of all undergraduate and graduate work taken at other institutions sent to the Dean at least one month prior to the opening of the session. All documents become the property of Longwood College.

Admission to graduate courses will be granted to persons who meet the following qualifications:

1. United States citizenship, or, in the case of foreign students, possession of an appropriate Department of State study permit.
2. The Bachelor's degree from a college or university accredited by the National Council for Accreditation of Teacher Education, the Southern Association of Colleges and Schools, or other regional agency.
3. An academic aptitude for graduate work, which will be determined principally from the applicant's undergraduate record. At the discretion of the Graduate Council, students may be required to take the Graduate Record Examination or submit letters of recommendation.

Conditional Admission

The following applicants may be admitted conditionally:

- a. Applicants for whom all of the necessary entrance information has not yet been received and approved by the Graduate Council.
- b. Students whose undergraduate records are not entirely satisfactory or who show minor deficiencies in their major fields.
- c. Capable students who lack not more than five semester hours to complete their undergraduate program at Longwood College.
- d. Mature persons who have special or personal interest not covered by the above.

The conditional status, however, should be regarded as temporary, and the students should seek to remove all conditions as soon as possible.

Admission to the Departments

The special requirements of the several College departments are designed to insure that the student is able to take advantage of the opportunities provided for advanced study. These requirements relate as a rule to the completion of certain undergraduate "prerequisites" but may include satisfactory performance on aptitude or achievement tests. Details will be furnished by the department.

After admission to graduate study, a student should seek an early conference with the chairman of the department in which he plans to specialize. On the basis of this conference, the department chairman will appoint an advisor to aid the student in planning his program and be available whenever counsel is desired. If the student is uncertain as to the area in which he wishes to specialize, he should confer with a member of the Graduate Council.

Admission to Candidacy

A student is considered ready to seek admission to candidacy for a Master's degree when he has:

- a. Demonstrated his aptitude to undertake graduate work for at least one summer term or one semester at the graduate level.
- b. Removed any conditions attendant upon his admission to the Graduate Program and removed any deficiencies in prerequisites established by his department.
- c. Formulated a program of study approved by the student's advisor.
- d. Satisfied other requirements of the College.

Requirements for a Degree

The Master's degree program provides that a candidate may either:

- A. Complete 24 semester hours and a thesis, or
- B. Complete 30 semester hours of credit without a thesis, or

In plan "B," the candidate must hold, or be eligible for, the Collegiate Professional Certificate.

A major consists of 18 semester hours in a field of concentration, or 12 semester hours of work and a thesis. Nine semester hours of work in teacher education are required in all degree programs. These nine semester hours of work include Education 571, Education 681 and Psy-

chology 622. The additional three hours credit may be elected from any subject of the student's choice. However, if the candidate is a teacher in an elementary school and holds, or is eligible for, the Collegiate Professional Certificate, courses in the major will be distributed among the areas of language arts, mathematics, general science, social studies, and fine and applied arts. Elementary teachers not holding the Collegiate Certificate must earn an additional six semester hours through an internship at the elementary level. The candidate for a degree must attain a B average on all courses taken.

Selection of Major

The number of departments prepared to offer a graduate major will be expanded as rapidly as possible. For the present, courses leading to the degree of Master of Arts in Education may be taken when the major is English or history.

For the degree of Master of Science in Education, the corresponding choice is restricted to Education.

Students interested in commencing work in any of the foregoing fields should confer with the Head of the Department concerned.

Comprehensive Examination

Students expecting to graduate without submitting a thesis take an essay form of written examination, not to exceed 3 hours' duration, covering the student's major field of study. A student must have completed 24 semester hours of work with a "B" average before taking this examination. This examination is designed to evaluate competency in written expression, ability to reason within an area, and the ability to apply information. This examination will be administered by the Graduate Council in January, May and August.

A student failing this examination may take it a second time at the next regularly scheduled time. Failure for the second time will be final, and the student will be dropped from the graduate program.

A student electing to do a thesis (Plan A) is, in general, exempted from taking the comprehensive written examination. An oral examination is required as a defense of the thesis. The Graduate Council may require a written comprehensive examination if it is recommended by the Head of the Department of the student's major field.

Thesis

The student electing to write a thesis selects the subject for the thesis in collaboration with the advisor as soon as possible after commencing the

graduate program. The student's advisor is chairman of his thesis committee, which will include two additional faculty members. One of these faculty members will be from the department in which the student is majoring and the other faculty member must be selected from a different academic discipline.

The finished thesis must be approved by both the major and minor professors and the student's advisory committee. Two typewritten copies are to be presented to the Graduate Council at least four weeks before the degree is to be conferred.

Two copies of each thesis are presented by the candidate to the College, to be deposited in the College library, one for archival purposes, the other to be circulated to students and faculty and to off-campus persons through inter-library loans.

The candidate for the graduate degree pays the binding fee for the two copies of the thesis in the Business Office at the time the diploma fee is paid. Arrangements for these bindings are made by the Librarian.

Residence

Normal residence requirements of one academic year or its equivalent may be reduced by transfer to a minimum of twenty-four semester hours.

Students with undergraduate deficiencies may find it necessary to take more than the normal time to complete requirements.

Credit by Transfer

Transfer of credit from another institution is permitted up to 6 credit hours, provided the courses have been taken in residence at the institution.

Course Numbers

Graduate courses are of two categories: 500-courses are for graduate and advanced undergraduate students while 600-courses are for graduate students only.

Student Load

Fifteen credit hours per semester constitute a normal load during the academic year. For permission to carry more than this the student may petition the Graduate Council. If the student is already employed, the normal load is 3 semester hours: permission to carry more than 3 semester hours during one semester must therefore be obtained from the Graduate Council.

Time Limit

The work for a graduate degree is to be completed within seven years after commencing such work. An extension of this time-limit is permissible only upon the consent in writing of the Graduate Council.

Graduation

A student planning to graduate on a certain date must file with the Dean of the College an application for a graduate degree at least 60 days before the degree is to be conferred.

Departments of Instruction

Instruction in the College is offered by the departments described in this section of the catalogue. Included in the description of each department are the requirements for a major therein and the courses which it offers.

Numerous courses in most departments have prerequisites. These will be noted in the descriptions of the courses. For the method of course numbering see page 53. Courses with numbers divided by commas, such as 111, 112 are semester courses. This means that the College gives credit toward a degree for the satisfactory completion of one semester of the course even though the student may not enroll in it for the other semester. Courses in which the numbers are hyphenated, such as 111-112 are year courses. In these, the College grants credit toward a degree only upon the successful completion of both semesters of work.

Honors Courses

The honors program was inaugurated by the College in 1930 to enable capable students to study intensively a subject of their choice, thereby becoming acquainted with methods of research, organization of materials, and the presentation of results in a scholarly manner. Such intensive study stimulates initiative, resourcefulness, and original thought. Students in all departments are eligible to participate in this program. The program is administered by the Honors Committee.

Under this plan, the student is directed in creative research by an instructor who has specialized in the field and who acts as her sponsor. A student interested in honors courses should submit a brief outline describing her projected research to the chairman of the department in which the work is to be done. The project sponsor will present her application together with written permission from the department chairman to the Honors Committee for approval.

With the approval of the Honors Committee, the student may enroll in honors courses numbered 498 and 499 in the department in which the honors work is done (i.e., an honors course in English would be registered as English 498). Three semester hours credit are granted for each course. Approval of the Honors Committee normally is given in the first semester of the junior year, and the student formally registers for the honors courses in the next two semesters. However, other schedules may be approved.

Upon completion of the research, the student compiles the results in a formal paper. The sponsor then assigns a grade for the work done. A student earning no less than B is eligible to appear before an examining board well qualified to judge the excellence of her work. The

Committee, assisted by the sponsor, selects a three-member examining board which conducts an oral examination or such other examination as may be appropriate for the subject, e.g., art or music. The examinations are approximately one hour in length and are usually scheduled for the second semester of the senior year.

With a favorable recommendation from the examining board, the student graduates with honors in the field in which the work was done:

Should the student elect not to take the oral examination or should she fail to win the board's recommendation for graduation with honors, credit for six semester hours work with the grade assigned by her sponsor will still be given, although without reference to honors.

DEPARTMENT OF ART

Virginia Bedford, *Chairman*

Miss Bishop, Mr. Hathaway, Miss Leitch, Mrs. Lemen, Miss Ross,
Mr. Rouillard

The Department of Art offers courses for general education and for Art majors including all of the major and minor arts and Art History. Freshmen may choose electives from the following: Art 101, 111, 201, 221, 222, 223, 230, 231.

A major in Art leading to the Collegiate Professional Certificate for teaching at the secondary level requires the following:

Design 230	3 credits
Drawing 221	3 credits
Graphics 111	3 credits
Painting 231	3 credits
Ceramics 222	3 credits
Crafts 302 or 303	3 credits
Sculpture 304 & 305	6 credits
Art History 423, 424, 425, 426	6 credits
Art Education 400	2 credits

Six (6) additional credits chosen from courses offered in Design, Drawing, Graphics, Painting and Art History, making a total of 38 credits. Majors not seeking the Collegiate professional certificate may omit Art 400 in favor of an art elective. It is desirable that art majors elect Philosophy 381, *Aesthetics*.

All courses in the Art Department will be acceptable as general education requirements except Art 400 (required of Collegiate Professional secondary Art majors only and Art 311-312 required of Elementary Education majors only). The Art Department staff reserves the privilege of retaining student work for educational purposes.

Beginning in the spring semester of 1971, junior Art majors will be required to present annually an exhibition of work completed at Longwood College.

Field trips in some classes may be required for which slight personal cost may be involved. Students may be required to furnish all supplies and tools in studio courses.

Art 101. Introduction to the Visual Arts. Analytical introduction to the visual arts with emphasis on structure, terminology, and criticism of architecture, sculpture and painting, both traditional and contemporary. Offered each semester; 3 periods a week; 3 credits. Instructors: The Staff.

- Art 111. Introduction to Graphics.* Exploration of traditional and experimental printmaking concepts, processes and materials. Offered each semester; 4 periods a week; 3 credits. Instructor: Miss Bishop.
- Art 201. Crafts.* Fundamentals of structural and decorative crafts using varied materials and tools. Offered each semester; 4 periods a week; 3 credits. Instructors: Miss Bedford, Miss Ross.
- Art 221. Drawing and Composition.* Fundamentals of drawing, composition, and illustration in various media and techniques. Offered each semester; 4 periods a week; 3 credits. Instructor: Miss Leitch.
- Art 222. Ceramics.* Forming, decorating, glazing, and firing pottery. Offered each semester; 4 periods a week; 3 credits. Instructor: Miss Bedford.
- Art 223. Advanced Drawing and Composition.* Development of drawing skills in a wide range of subject matter, including figure construction. Prerequisite: Art 221. Each semester; 4 periods a week; 3 credits. Instructor: Miss Leitch.
- Art 230. Basic Design.* Understanding the basic principles and elements of design through an inquiry into the sources and terms of creative expression in the second and third dimensions. First semester; 3 credits; 6 periods a week. Instructor: Miss Bishop.
- Art 231. Beginning Painting.* Emphasis on various philosophical approaches to painting. Not open to students with Art 121 credit. Offered each semester; 4 periods a week; 3 credits. Instructors: Miss Bishop, Mrs. Lemen.
- Art 235. Design for Communication.* Further exploration of the elements of design with emphasis on package design, graphic reproduction and color separation, principles of layout design, typography and television advertising. Prerequisite: Art 230. Second semester; 3 credits; 6 periods a week. Instructor: Mr. Rouillard.
- Art 240. Design for Daily Living.* Use of Art principles as they relate to environment. Constructing, decorating, and examining articles which enhance the quality of living. Second semester; 4 periods a week; 3 credits. Instructor: Mrs. Lemen.
- Art 302. Enamels.* The design and production of vitreous enamels using copper as a base. Shaping, charging, and firing. Not open to freshmen. Offered each semester; 6 periods a week; 3 credits. Instructor: Miss Bedford.
- Art 303. Jewelry and Metal Work.* Special projects in the construction of jewelry and objects of silver and other metals with emphasis on original design and basic techniques. Not open to freshmen. Offered each semester; 6 periods a week; 3 credits. Instructor: Miss Ross.
- Art 304. Sculpture.* Fundamental problems in the understanding of sculptural form through laboratory experiences and related visual study. Use of varied mediums and tools. Prerequisite: Art 121 or 122, or 221. Offered each semester; 4 periods a week; 3 credits. Instructor: Miss Leitch.
- Art 305. Advanced Sculpture.* Further exploration of materials and form. One problem requiring greater depth of study. Emphasis on adaptation of course content to secondary art teaching. Slides and film supplements. Offered each semester; 4 periods a week; 3 credits. Prerequisite: Art 304 or equivalent. Instructor: Miss Leitch.
- Art 311-312. Fundamentals of Art.* Lectures and reading to introduce students to findings and theories concerned with the development of delineation and form as related to children's art, and theories and practices of Art Education. Studio problems using art media essential to the continuity and expansion of art experiences for elementary children. Three credits each; 4 periods a week.

(Required of Elementary Education majors; not acceptable as a requirement in general education for other curricula.) Instructors: The Staff.

- Art 313. Serigraphy.* The silk screen process of printing as an aesthetic expression. Prerequisite: Art 230 or 231. First semester; 4 periods a week; 3 credits. Instructor: Mrs. Lemen.
- Art 314. Graphic Arts.* Print production as a medium of original expression involving processes of relief and intaglio. Prerequisite: Art 111 or 221 or 231. First semester; 6 periods a week; 3 credits. Instructor: Miss Ross.
- Art 400. The Teaching of Art.* A study of contemporary practices and the examination of secondary art curriculum materials. Second eight weeks of each semester; 4 periods a week; 2 credits. Instructor: Mr. Hathaway.
- Art 423. History of Prehistoric, Ancient, and Medieval Art in the Western World.* Not open to freshmen. Alternate years. Offered first semester 1969-70; 3 periods a week; 3 credits. Instructor: Miss Ross.
- Art 424. History of Western Art from the Renaissance to the 19th Century.* Not open to freshmen. Offered second semester 1969-70; 3 periods a week; 3 credits. Instructor: Miss Ross.
- Art 425. History of Western Art of the 19th and 20th Centuries.* Not open to freshmen. Offered first semester 1970-71; 3 periods a week; 3 credits. Instructor: Miss Ross.
- Art 426. History of American Art.* Not open to freshmen. Offered second semester, 1970-71; 3 periods a week; 3 credits. Instructor: Miss Ross.
- Art 431. Painting: Oil.* Prerequisite: Art 231. Offered each semester; 6 periods a week; 3 credits. Instructor: Mrs. Lemen.
- Art 441. Painting: Water Color.* Prerequisite: Art 231. Offered second semester; 6 periods a week; 3 credits. Instructor: Mrs. Lemen.
- Art 442. Painting and Composition.* Open to students who have completed Art 431 or 441 or equivalent. (May be continued as 443, 444, etc., with permission of instructor.) First and second semesters. Hours to be arranged. 6 periods a week; 3 credits. Instructor: Mrs. Lemen.

GRADUATE OFFERING IN ART

For Graduates and Advanced Undergraduates

- Art 501. Craft Techniques.* A progressive series of problems in one craft with emphasis on the use of tools and materials for function and decoration. Ceramics, enameling, metal work and jewelry. The student will concentrate on one craft in one semester but may repeat the course for further study (as 502). 3 credits. Instructors: Miss Bedford, Miss Ross.
- Art 511. Problems in Art Education.* The student will select an area of art education for concentrated study through readings, research, and experimentation. The conclusions will be presented as a project or term paper. Prerequisite: Art 121 and 301 or equivalent. 3 credits. Instructors: The Staff.
- Art 531. Painting Studio.* Expressive qualities of painting will be stressed. Individual problems will be set up by the student and techniques will be developed in order to achieve satisfactory solutions. (Art 531-O, Oil; 531-W, Water Color; 531-S, Serigraphy.) Prerequisite: Art 313 or 431 or 441 or equivalent. 3 credits each. Instructor: Mrs. Lemen.

For Graduates Only

- Art 621. Special Studies in History of Art.* A seminar consisting of individual research and group presentation and discussion. Concentration will be on a particular artist, period, school or movement in art and art theory according to

the need and interest of the student. Prerequisite: One year of history of western art or equivalent. 3 credits. Instructor: Miss Ross.

DEPARTMENT OF BUSINESS EDUCATION

Merle L. Landrum, *Chairman*

Mrs. Hamlett, Mr. Leeper, Mr. Myers, Mrs. Taliaferro

The Department of Business Education offers courses leading to the degree of bachelor of science in business education which qualifies graduates to teach business subjects in secondary schools and to hold office administration positions.

A major in business education requires courses as follows:

Humanities (Refer to General Education Requirements—9 semester hours of electives)	18
Social Sciences (Refer to General Education Requirements—American History 3, Economics 3, 6 hours of electives)	12
Natural Sciences (Refer to General Education Requirements)	8
Mathematics 111-112—6 semester hours	6
Health and Physical Education (Refer to General Education Requirements)	4
Total General Education Requirements	48

Business Education—Students must elect a minimum of 45 semester hours. The Department offers courses that lead to specific endorsements in areas as follows: Secretarial, Accounting, General or Basic Business, and Office Systems and Procedures.

I. *Secretarial*—shorthand and typewriting, 15 semester hours.

This should include 9 semester hours in shorthand and 6 semester hours in typewriting. Students who have completed successfully courses in typewriting and/or shorthand before entering Longwood College may, with the approval of the chairman of the department, be permitted to begin their secretarial work in more advanced classes. This procedure allows such students to have a wider range of elective courses for additional areas of endorsement. Students should complete all courses in typewriting and shorthand by the end of the sophomore year.

II. *Accounting*—12 semester hours

III. *General or Basic Business*—12 semester hours

In order to comply with this requirement students must include Business Education 352 and add nine semester hours from the courses indicated below:

Business Education 151, 251, 253, *351, *353S, *355, and *455

For certification, only two of the course numbers preceded by an asterisk may be chosen.

IV. *Office Systems and Procedures*—12 semester hours

The following courses lead to this requirement:

Business Education 252, 356, 436, and Business Communications—English 220.

V. *Unrestricted Electives*—Business Education 354 and 436

For business teacher certification six semester hours of specialized professional education are required from courses as follows: Business Education 451, 452, and 453.

A special program is planned to meet the needs of students desiring specific endorsements to teach Accounting and Economics. It is also designed to provide the subject-matter background necessary for entrance into a career of business management or for admission to graduate study in Business.

The following combination of courses is required:

Humanities (Refer to General Education Requirements—9 hours of electives)	18 hours
Social Sciences (American History—3, Economic Geography—3, Business Statistics—3, Principles of Economics—6, Economics electives—6	21 hours
Natural Sciences (Refer to General Education Requirements)	8 hours
Mathematics—111-112	6 hours
Health and Physical Education (Refer to General Education Requirements)	4 hours
Business Education (Accounting—12, Shorthand or electives—9, Business Communications—3, Data Processing—3, Office Machines—3, Business Law—3, Methods—3, Typewriting or electives—9; students who do not desire to be endorsed in Shorthand and/or Typewriting must elect other Business courses)	45 hours
Education—as stipulated by Education Department.....	21 hours
Unrestricted Elective	3 hours
Total	126 hours

Prerequisites to advanced courses in Economics are Accounting 241—3 hours, Business Statistics—3 hours, and Economic Principles—6 hours.

Those majoring in other subject matter areas may elect courses in typewriting and shorthand. This will enable them to prepare for teaching in their major fields and to qualify them for some office positions.

Secretarial Science

Business Education 121. Elementary Typewriting (for students who have had less than one semester of typewriting). Emphasis on accuracy, carriage throw, and other correct techniques. Introduction to basic correspondence and elementary statistical copy. Students motivated to attain maximum levels of achievement. First and second semesters; 3 periods a week; 2 credits. Instructor: Mrs. Hamlett.

Business Education 131. Elementary Shorthand. Mastery of Gregg Shorthand principles; reading and writing practice necessary for skill development in taking dictation; students motivated to attain maximum levels of achievement. First and second semesters; 5 periods a week; 3 credits. Instructors: Mr. Myers, Mrs. Taliaferro.

Business Education 221. Advanced Typewriting. Prerequisite: Business Education 121 or equivalent. Development of proficiency in producing business correspondence, statistical reports, and legal documents through the use of modern laboratory materials; students motivated to attain maximum levels of achievement. First and second semesters; 3 periods a week; 2 credits. Instructors: Mrs. Hamlett, Mr. Myers.

Business Education 222. Advanced Typewriting. Prerequisite: Business Education 221. Development of maximum proficiency on production problems and office-style copy. First and second semesters; 3 periods a week; 2 credits. Instructor: Mrs. Hamlett.

Business Education 223. Advanced Typewriting. Statistical and other specialized areas are stressed; students motivated to attain maximum levels of achievement. Members of this class required to take Business Education 233. Prerequisite: The equivalent of three semesters of typewriting. First semester; 3 periods a week; 2 credits. Instructor: Mrs. Taliaferro.

Business Education 231. Advanced Shorthand and Transcription. Prerequisite: Business Education 131 or equivalent. Continued study of shorthand principles, brief forms, and phrasing; students motivated to attain maximum levels of achievement. Introduction to letter transcription at the typewriter. 5 periods a week; 3 credits. Instructors: Mrs. Hamlett, Mr. Myers.

Business Education 232. Advanced Shorthand and Transcription. Prerequisite: Business Education 231. Review of principles in Gregg Shorthand; development of speed and accuracy in taking dictation. Brief forms, phrasing, and enlargement of shorthand vocabulary are stressed; students motivated to attain maximum levels of achievement. First and second semesters; 5 periods a week; 3 credits. Instructor: Mrs. Hamlett.

Business Education 233. Advanced Dictation and Transcription. Specialized dictation and transcription of materials in the area of law, science, engineering, medicine, and government; students motivated to attain maximum levels of achievement. Members of this class required to take 223. Prerequisite: The equivalent of three semesters of shorthand. First semester; 3 periods a week; 3 credits. Instructor: Mrs. Taliaferro.

Accounting

Business Education 241-242. Elementary Accounting. Theory of debits and credits; journalizing and posting. Use of special journals and ledgers. The trial balance, work sheet, business statements, and adjusting and closing entries. Accounting for notes and interest, prepaid, unearned and accrued items, asset valuation, payrolls, and taxes. Partnership and corporation accounts. Practice sets. First and second semesters; 4 periods a week; 3 credits each semester. Instructors: Mr. Leeper, Mr. Myers.

Business Education 343. Intermediate Accounting. Survey of basic accounting principles; working capital, noncurrent items, and corporate capital. Concepts of profit and loss measurement and analytical processes of statement preparation. Prerequisite: Business Education 241-242. First semester; 3 periods a week; 3 credits. Instructors: Mr. Landrum, Mr. Leeper.

Business Education 344. Income Taxes and Payroll Accounting. Practical problems leading to filing of acceptable income tax returns to the United States

Internal Revenue Service and to the State of Virginia. Practical problems for social security and payroll accounting including tax deductions, required records and benefits. Prerequisite: Business Education 241-242. Second semester; 3 periods a week; 3 credits. Instructors: Mr. Landrum, Mr. Leeper.

General and Basic Business Subjects

Business Education 151. Introduction to Business. Intended to provide a broad but firm foundation in business, upon which advanced business courses can build. The course aims to help the student understand the business world, to outline the philosophy, objectives and responsibilities of business in relation to its environment, and to give some direction and motivation in making a vocational choice. Offered first semester; 3 periods a week; 3 credits. Instructor: Mr. Myers.

Business Education 251. Retailing Principles and Practices. Retail store organization and management, personnel, buying, selling, sales campaigns, and inventories. Offered both semesters; 3 periods a week; 3 credits. Instructor: Mr. Landrum.

Business Education 252. Business Machines. Provides operative training on common types of ten-key and full-keyboard, manual and electric, key-driven and rotary computing machines. Emphasis on speed and accuracy to establish vocational competency. Preparation of various types of stencils and master units; operation and care of ink, paste, and spirit duplicators. Offered both semesters; 5 periods a week; 3 credits. Instructor: Mr. Myers.

Business Education 253. Business Mathematics. 3 periods a week; 3 credits.

Business Education 350. Office Experience or Selling Experience. The completion of a minimum of 300 clock hours of approved successful experience in either office or selling position. Work should be completed before graduation. All prospective teachers urged to secure positions during summer or other convenient times.

Business Education 351. Insurance. Life insurance, property insurance, health and accident insurance, social insurance and liability insurance. Emphasis on the economic importance of insurance in community and individual living. First semester; 3 periods a week; 3 credits. Instructor: Mr. Leeper.

Business Education 352. Principles of Business Law. Designed to acquaint the student with the legal environment in which business decisions are made. Emphasis is placed on the basic law of Contracts, Agency, Property, Wills and Inheritances. Offered both semesters; 3 periods a week; 3 credits. Instructor: Mrs. Taliaferro.

Business Education 353. General Business Principles. A general business education course designed to give a broader understanding of the practices of present-day business society. (Offered only in the summer session.) 3 credits. Instructors: Mr. Landrum, Mrs. Taliaferro.

Business Education 354. Law and Society. A general education course designed to give a broad and philosophical understanding of the general law essential to a person living in our environment and to acquaint the student with the processes by which law is applied to resolve human conflicts in organized society. Emphasis is placed on issues and trends in contemporary law. Suitable as an elective for all students. First semester; 3 periods a week; 3 credits. Instructor: Mrs. Taliaferro.

Business Education 355. Personal Finance. A social-business course designed to acquaint the student with the basic fundamentals in selected areas of personal finance; role of the individual as a consumer and as an investor. Suitable as an elective for all students. Second semester; 3 periods a week; 3 credits. Instructor: Mrs. Taliaferro.

Business Education 356. Data Processing. Systems fundamentals; machine orientation and essential operations; methods of coding and condensing data; data processing application and procedures. Second semester; 3 periods a week; 3 credits. Instructor: Mr. Leeper.

Business Education 436. Office Management, Systems and Procedures. Study of the planning and installing of correct office methods and systems; securing effective correspondence and stenographic work; improving mailing, filing, and duplicating methods. Second semester; 3 periods a week; 3 credits. Instructor: Mrs. Hamlett.

Business Education 451. The Teaching of Business Subjects. Organization of subject matter for teachers who plan to guide the learning activities of high school and junior college students in the vocational business subjects. Offered second half of both semesters; 5 periods a week; 3 credits. Instructor: Mr. Landrum.

Business Education 452. Advanced Clerical Practice. Methods of organizing rotation plans and writing job instruction sheets for office and clerical practice classes; production of mailable letters through a study of shorthand; dictation at various rates of speed; timed production of mailable letters. Offered both semesters; 3 periods a week; 3 credits. Instructor: Mr. Landrum.

Business Education 453. Secretarial Practice, Office Administration, Procedures, and Methods. Preparation for office systems and procedures necessary for positions in conformity with the *Dictionary of Occupational Titles*; filing, transcription, fundamentals of business, mathematics, office behavior, etc.; designed for teachers of interrelated curricular patterns for training in office occupations. Second semester; 3 periods a week; 3 credits. Instructor:

Business Education 454. Advertising. Principles underlying advertising, economic and social aspects of advertising, policies, and objectives, selection and use of various media, advertising organizations, campaigns, displays and copy. Second semester; 3 periods a week; 3 credits. Instructor: Mr. Leeper.

Business Education 455. Money and Banking. Nature and function of money; legal tender and credit; relation of money and credit to prices, bank deposits, and general economic activity; the American banking system from colonial times to the present. First semester; 3 periods a week; 3 credits. Instructors: Mrs. Hamlett, Mr. Leeper.

Directed Teaching of Business Education in the Secondary School. Students preparing to teach Business Education subjects participate in directed teaching in this field during their senior year under the direction of a supervising teacher, general supervisor, and consultants in the Department of Business Education. First and second semesters. 6 credits in Education 402.

For Graduates and Advanced Undergraduates

Business Education 561. Principles of Business Education. A study of the principles of business education and their applications for business education students, teachers, supervisors, and administrators. 3 credits. Instructor: Mr. Landrum.

Business Education 562. Problems in Business Education. Suggestions for solutions to problems encountered by teachers, supervisors, and administrators in business education with special emphasis upon individual situations. 3 credits. Instructor: Mr. Landrum.

Business Education 581. Seminar in Business Education. Designed for business teachers, supervisors, and school administrators, who are interested in studying subject matter and curricular problems. Specific problems and plans for solution will be identified. Reports will be made on all studies attempted. 3 credits. Instructor: Mr. Landrum.

DEPARTMENT OF EDUCATION, PSYCHOLOGY, AND PHILOSOPHY

Charles H. Patterson, *Chairman*

Mr. Banton, Miss Bingner, Miss Bland, Mr. Dalton, Mr. DeWitt, Mr. Elliott, Mr. Kent, Mr. Land, Mrs. Page, Mrs. Ra, Mr. Rosecrans,* Mrs. Savage, Mrs. Simmons, Mrs. Sneller, Mr. Swertfeger, Miss Trent, Mr. Vassar, Mrs. Wacker, Miss Wilson, Mrs. Woodburn

The Department of Education, Psychology and Philosophy offers undergraduate majors in two fields, elementary education and psychology. Graduate programs are available in elementary education and supervision.

The undergraduate major in elementary education is divided into two patterns, Pattern A leads to specialization and certification in the Kindergarten and Grades 1, 2, and 3. Pattern B leads to specialization and certification in Grades 4, 5, 6, and 7. The student will normally make a final decision regarding her area of specialization at the beginning of the sophomore year.

The requirements for an undergraduate major in elementary education are:

GENERAL EDUCATION REQUIREMENTS

A. *Humanities*

English 100, 326	6 semester hours
English literature electives	6 semester hours
Art 311	3 semester hours
Music 237	3 semester hours

B. *Social Sciences*

American History	3 semester hours
Economics 202	3 semester hours
Geography 211	3 semester hours
History 111	3 semester hours

C. *Natural Sciences*

Biology 102	4 semester hours
Physical Science 151	4 semester hours

D. *Mathematics*

Mathematics 123-124	6 semester hours
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E. *Health and Physical Education*

Health Education 100	1 semester hour
Physical Education activity courses	3 semester hours

INTERDISCIPLINARY MAJOR REQUIREMENTS

Art 312	3 semester hours
Biology 103	4 semester hours
Education 325, 329	6 semester hours
English 300	3 semester hours
Geography 212	3 semester hours
History 112	3 semester hours
Mathematics 323	3 semester hours

*On leave of absence 1968-69.

Music 329	3 semester hours
Philosophy 460	3 semester hours
Physical and Health Education 360	3 semester hours
Science 362	3 semester hours
Speech 101	3 semester hours
Physical Science 152	4 semester hours

PROFESSIONAL EDUCATION REQUIREMENTS

<i>Pattern A</i> (Kindergarten and Grades 1, 2, 3)	
Education 353, 357, 400, 460	16 semester hours
Psychology 251, 256, 451	9 semester hours
<i>Pattern B</i> (Upper Elementary: Grades 4, 5, 6, 7)	
Education 354, 357, 401, 460	14 semester hours
Psychology 251, 256	6 semester hours

ADDITIONAL ELECTIVES

Pattern A minimum of:	9 semester hours
Pattern B minimum of:	14 semester hours

THE REQUIREMENTS FOR AN UNDERGRADUATE MAJOR IN PSYCHOLOGY ARE:

GENERAL EDUCATION

- A. *Humanities*
 - English 100 and 6 semester hours of literature..... 9 semester hours
 - Art, Music, or Dramatic Arts 6 semester hours
 - Philosophy 410 3 semester hours
- B. *Social Sciences*
 - History 221 or 222 and Economics or Government 6 semester hours
 - Sociology and Anthropology 6 semester hours
- C. *Natural Sciences*
 - Biology 131, 352 8 semester hours
- D. *Mathematics*
 - Mathematics 111-112 or 161-162 6 semester hours
- E. *Health and Physical Education*
 - Health Education 100 and 3 semester hours of 4 semester hours
 - Physical Education

REQUIREMENTS FOR MAJOR

- A. Foreign Language 12 semester hours
- B. A minimum of 36 semester hours in Psychology including: Psychology 233-234, 361-362, 420-421, 457, and 461 36 semester hours
- C. Electives 30 semester hours

Education 325. Language Arts. (Same as English 352) An introduction to the subject matter and instructional principles of Language Arts in the kindergarten through grade seven. Major emphasis is given to handwriting, grammar and usage, spelling, listening, vocabulary development and recent research in the field. Required for B.S. degree in Elementary Education. 3 periods a week; 3 credits. Instructors: Mr. Banton, Miss Bland, Mrs. Page, Miss Trent, Mrs. Woodburn.

Education 329. Principles and Techniques of Reading Instruction. An introduction to the principles and techniques of reading instruction in the elementary school. Special emphasis is given to the mechanics of reading, approaches to teaching reading and methods for providing for individual differences. Prerequisites: twelve semester hours of English and Education 325. Three periods a week; 3 credits. Instructors: Mr. Banton, Miss Bland, Mrs. Page, Miss Trent, Mrs. Woodburn.

- Education 347. Audio-Visual Education.* The improvement of instruction through the use of Audio-Visual equipment, techniques and materials. Offered each semester; 3 periods a week; 3 credits. Instructor: Mr. Rosecrans.
- Education 349. Educational Television.* A detailed study of educational television with special emphasis on the roles of the studio and classroom teacher. Includes laboratory practice in the planning and production of televised instruction. Three credits. Instructor: Mr. Rosecrans.
- Education 353. Principles of Kindergarten and Elementary Education.* Principles and methods of curriculum and instruction in the kindergarten-primary unit (K-3). Prerequisites: Education 325, 329. Three periods a week; 3 credits. Instructors: Staff.
- Education 354. Principles of Elementary Education.* Principles and methods of curriculum and instruction in the upper elementary grades (4-7). Prerequisites: Education 325, 329. Three periods a week; 3 credits. Instructors: Staff.
- Education 355. Principles of Secondary Education.* Principles and methods of curriculum and instruction in the secondary school. Required of all majors seeking the Collegiate Professional Certificate at the secondary level. Offered each semester; 3 periods a week; 3 credits. Instructors: Mr. Elliott, Mr. Kent, Mr. Land, Mr. Vassar, Mrs. Woodburn.
- Education 357. Educational Measurement.* Theory and practice in construction of teacher-made tests and in the selection, administration, scoring, and interpretation of standardized tests used in elementary and high schools. Required in all curricula leading to the Collegiate Professional Certificate. Offered each semester; 3 periods a week; 3 credits. Instructors: Miss Bingner, Mr. DeWitt, Mrs. Page, Mr. Patterson, Mrs. Ra.
- Education 425. Remedial Reading Practicum.* An introduction to the diagnosis of reading problems and remedial procedures. Laboratory experiences with children in the Reading Clinic. Prerequisites: Education 325, English 326, English 327, Education 300. Both semesters; 2 hours lecture, 4 hours laboratory per week; 2 credits. Instructors: Mr. Banton, Miss Bland, Mrs. Page, Miss Trent.
- Education 453. The Public School in the American Community.* The relationship of the teacher to various aspects of public education, including organization and administration. Offered each semester; 3 credits. Instructor: Mr. Elliott.
- Education 460. Seminar in Early Childhood Education.* Consideration of current issues, practices, and research in the Kindergarten primary unit. Prerequisites: Student teaching in grades K-3. Two credits. Instructors: Staff.
- Education 461. Seminar in Intermediate and Upper Elementary Education.* Consideration of current issues, practices and research in grades 4-7. Prerequisites: Student teaching in grades 4-7. Two credits. Instructors: Staff.
- Education 462. Seminar in Secondary Education.* Consideration of current issues, practices, and research in the high school. Two credits. Instructors: Staff.
- Education 470. Comparative Education.* A study of educational systems in selected nations with emphasis on historical philosophical and cultural differences. Three credits. Instructor: Mr. Land.

Psychology

- Psychology 231, 232. General Psychology.* (A general education course for non-psychology majors.) The subject matter and methods of general psychology, perception, motivation, intelligence, thinking, sensory processes. First and second semesters; 3 periods a week; 3 credits each semester. Instructor: Mr. Swertfeger.

Psychology 233-234. General Psychology and Quantitative Methods in Psychology. 6 credits. (Open only to psychology majors.)

Psychology 233. General Psychology. The principles of behavior and the application of psychology to practical problems concerning ability, sensory and perceptual processes, motivation, thinking and learning and the organic bases of behavior. First semester; 3 periods a week. Instructor: Mrs. Wacker.

Psychology 234. Quantitative Methods in Psychology. An introduction to the principles and techniques of experimental design and statistical analysis. Second semester; 3 periods a week. Instructor: Mrs. Wacker.

Psychology 251. Educational Psychology. The application of general psychology to education. Emphasis is placed on the study of the learning process. Required in all curricula leading to the Collegiate Professional Certificate. First semester; 3 periods a week; 3 credits. Instructors: Miss Bingner, Mr. DeWitt, Mr. Land, Mr. Patterson, Mrs. Ra, Mr. Rosecrans, Mr. Swertfeger, Mrs. Wacker.

Psychology 256. Developmental Psychology. Development of physical traits, learning and intelligence, social and emotional behavior, personality and adjustment from conception to senescence. Emphasis upon childhood and adolescence. Second semester; 3 periods a week; 3 credits. Instructors: Miss Bingner, Mr. DeWitt, Mr. Land, Mr. Patterson, Mrs. Ra, Mr. Rosecrans, Mr. Swertfeger, Mrs. Wacker.

Psychology 331. Social Psychology (Same as Sociology 331). Open to Juniors and Seniors only. Prerequisite: six hours of sociology and six hours of psychology. First semester; 3 periods a week; 3 credits. Instructors: Miss Bingner, Mr. Paterson.

Psychology 353. The Psychology of Adjustment. A dynamic and experimental approach to the study of personality. Prerequisite: 6 hours of psychology. Second semester; 3 periods a week; 3 credits. Instructors: Mr. DeWitt, Mr. Patterson.

Psychology 355. Individual Differences. Nature and significance of individual differences. Prerequisite: 6 hours of psychology. First semester; 3 periods a week; 3 credits. Instructor: Mr. DeWitt.

Psychology 361-362. Experimental Psychology. A detailed examination of the major problems of psychology and the experimental procedures available for their investigation. First and second semesters; 2 periods lecture and one double period lab per week; 3 credits each semester. Instructor: Mrs. Wacker.

Psychology 420-421. Psychological Tests and Measurements. A survey of methods, techniques, and instruments for measuring individual differences in behavior with special emphasis on the Binet and Wechsler Scales. First and second semesters; 2 periods lecture and one double period lab per week. 3 credits each semester. Instructor: Mr. DeWitt.

Psychology 422. Learning and Motivation. Theories of behavior and the experimental literature on learning and motivation in man and animals. Offered alternate years; 3 periods a week; 3 credits. Instructor: Mrs. Wacker.

Psychology 423. Physiological Psychology. A study of the physiological correlates of behavior including the sensory receptors central brain mechanisms, and coordination of the motor systems. Offered alternate years; 3 periods a week; 3 credits. Instructors: Mr. Swertfeger, Mrs. Wacker.

Psychology 451. Survey of Exceptional Children. Survey of essential characteristics of the exceptional child in an educational setting. Major emphasis is given to the educable mentally retarded, the slow learner, the gifted child, visually handicapped, crippled, and children with hearing impairments. Three periods a week; 3 credits. Instructor: Mr. Banton.

Psychology 455. Abnormal Psychology. Description and explanation of the psychological aspects of behavior disorders, including abnormalities of sensory and perceptual processes, memory, emotion and the phenomena and interpretation of psychoses and neuroses. Prerequisites: Psychology 233-234, 420-421. Offered alternate years; 3 periods a week; 3 credits. Instructors: Miss Bingner, Mr. DeWitt, Mrs. Wacker.

Psychology 457. History and Systems of Psychology. The development of psychology from ancient to modern times. Consideration of important men and significant ideas contributing to current systematic psychology. Prerequisite: 6 hours of psychology. 3 periods a week; 3 credits. Instructors: Mr. Swertfeger, Mrs. Wacker.

Psychology 459. Industrial Psychology. The facts, theories and techniques of psychology in relation to problems of employee selection and training, performance appraisal, worker motivation and morale, industrial leadership and safety, human engineering and space psychology. Offered alternate years; 3 periods a week; 3 credits. Instructors: Mr. DeWitt, Mrs. Wacker.

Psychology 461. Seminar in Advanced General Psychology. A seminar for the senior psychology major, designed to integrate his knowledge of specific fields into a comprehensive view of psychology, and to review the current research in various areas of psychology. (Open only to seniors.) Second semester; 2 periods a week; 2 credits. Instructors: The Staff.

Philosophy

Religion 302. Religions of the World. A study of the principal religions of the world including readings in the history and literature of the peoples whose religions are discussed. Open to juniors and seniors only. Second semester; 2 periods a week; 2 credits. Instructor: Miss Wilson.

Philosophy 351. Logic. The fundamentals of deduction and induction to aid the student in developing habits of valid thinking and in understanding the scientific method. First semester; 3 periods a week; 3 credits. Instructor: Mrs. Savage.

Philosophy 360. Philosophy of Life. Critical examination of the foundations and development of historical and current systems of thought. Required for the Bachelor of Arts degree. Offered each semester; 3 periods a week; 3 credits. Instructor: Mrs. Savage.

Philosophy 361. History of Western Philosophy: Ancient and Medieval. A survey of the development of European thought from its early Greek origins to the seventeenth century. First semester; 3 periods a week; 3 credits. Instructor: Mrs. Savage.

Philosophy 362. History of Western Philosophy: Modern and Contemporary. A survey of the history of European and American philosophy from the seventeenth century to the present. Second semester; 3 periods a week; 3 credits. Instructor: Mrs. Savage.

Philosophy 381. Aesthetics. A study of some problems in aesthetics, including the relation between beauty and the arts, the function and value of the arts in culture, and a consideration of standards for criticism and judgments of beauty. Offered first semester; 3 periods a week; 3 credits. Instructor: Mrs. Savage.

Philosophy 401. Philosophy of Science. The historical origins, and modern and contemporary influences on science. First semester; 3 periods a week; 3 credits. Instructor: Mrs. Savage.

Philosophy 430. American Thought. The development of American philosophy from its colonial beginnings to the present, with emphasis on the thinkers most significant to the creation and perpetuation of our religious, social, and political heritage and ideals. Second semester; 3 periods a week; 3 credits. Instructor: Mrs. Savage.

Philosophy 460. Philosophy of Education. Critical analysis of foundation, implications and applications of the different philosophies of education exemplified in current practice. Required in all curricula leading to the Collegiate Professional Certificate. Open to seniors only. Offered each semester; 3 periods a week; 3 credits. Instructors: Mr. Land, Mr. Swertfeger.

Philosophy 473. Ethics. A study of the significant moral and ethical principles developed in European and American philosophy. Second semester; 3 periods a week; 3 credits. Instructor: Mrs. Savage.

Teaching

Education 400. Directed Teaching in the Kindergarten and Primary Grades. Offered first ten-week block of fall semester only. Required of all majors in elementary education in the K-3 option. See prerequisites for student teaching on page 62. 8 credits. Instructors: Staff.

Education 401. Directed Teaching in the Upper Elementary Grades. Offered first eight-week block during both fall and spring semesters. Required of all elementary majors in the Upper Elementary option. See prerequisites for student teaching on page 62. 6 credits. Instructors: Staff.

Education 402. Directed Teaching in the Secondary School. Offered first eight-week block during both fall and spring semesters. Required of all students in the secondary education curricula. See prerequisites for student teaching on page 62. 6 credits. Instructors: Staff.

Graduate Offerings in Education and Psychology

The Department of Education, Psychology and Philosophy is responsible for the organization and administration of two graduate programs. One of these programs requires the student to major in Education in a curriculum designed to prepare the student for supervisory work in the public schools. The other program is interdisciplinary in nature and affords the elementary classroom teacher an opportunity to take additional or advanced work in subject-matter fields related to teaching at the elementary level. This program has an option which allows the student to gain certification to teach at the kindergarten level if he so desires.

All graduate students in the Longwood College Graduate Program either major or minor in education. The minor in Education consists of nine semester hours of work taken in Psychology 622, Education 571 and Education 681. This minor in Education also meets the state certification requirements providing for a teacher holding the Collegiate Certificate to raise that certificate to the level of the Collegiate Professional Certificate.

Requirements for the major in Education leading to a degree in Supervision are: Psychology 622, Education 571, Education 681, Education 541, Education 561 and Education 661, a total of eighteen semester hours. The minor in this degree program will consist of six semester hours of work taken in Mathematics 523, and Education 525. Electives totalling six semester hours will complete the thirty-hour program for this curriculum.

Requirements for the interdisciplinary major in elementary classroom teaching are: Psychology 622, Education 525, Education 541, Education 571, Education 681, Mathematics 523 and nine semester hours of additional work taken from the fields of Art, English, Music, Physical Education, Science or Social Science plus an elective course of three hours. The student seeking the kindergarten option will take Psychology 530 and Education 531 in lieu of six semester hours in the above electives.

Those students desiring to write a thesis in either of these degree programs will substitute Education 600, *Thesis Research*, for six semester hours of work in their program. This substitution will be made in consultation with and upon the advice of their faculty advisor. Education 661 must be taken prior to or concurrent with Education 600.

For Graduates and Advanced Undergraduates

- Education 525. Reading in the Elementary and Secondary School.* A study of the teaching principles and techniques in the field of reading. Prerequisite: Education 325 and teaching experience. 3 credits. Instructors: Mr. Banton, Miss Bland, Mrs. Page, Miss Trent.
- Education 526. Techniques in Diagnosis and Remedial Reading Methods.* The diagnosis of reading difficulties and remedial procedures in reading. Three credits. Instructors: Mr. Banton, Miss Bland, Mrs. Page.
- Education 531. Principles of Curriculum and Instruction in the Kindergarten.* A detailed study of the curriculum and instructional procedures employed in the kindergarten. 3 credits. Instructor: Mr. Banton.
- Education 541. Problems of Curriculum Development.* A study of the foundation principles of curriculum development in elementary and secondary education. 3 credits. Instructor: Mr. Land.
- Education 545. Introduction to Guidance and Counseling.* Introductory course in the techniques of counseling boys and girls in elementary and high schools. Prerequisite: Education 357 or equivalent. Offered each semester; 3 credits. Instructors: Miss Bingner, Mr. DeWitt.
- Education 547. Sensory Materials.* The philosophy and psychology of sensory learning and the techniques and materials of audio-visual instruction. 3 credits. Instructor: Mr. Rosecrans.
- Education 561. Supervision of Instruction.* A course for teachers, principals, supervisors and administrators. The nature and scope of supervision as educational leadership in the improvement of instruction. 3 credits. Instructors: Mr. Elliott, Mr. Vassar.
- Education 571. Principles of Instruction.* A study and appraisal of different methods of teaching in modern education. 3 credits. Instructors: Mr. Elliott, Mr. Vassar.
- Education 575. Public School Administration.* An introduction to school administration including: the organization and structure of the school system; legal basis for school administration; authority, responsibility and control of different levels of government for education; problems related to financial support of education, and the administration and supervision of the instructional program; techniques of communication, personnel administration, and record keeping. Three credits. Instructor: Mr. Dalton.
- Psychology 521. Human Growth and Development.* The principles and processes of human development covering the entire life span. Major aspects of development (social, physical, mental, emotional, etc.) are traced through the various stages of development, and their interaction in organized behavior examined. 3 credits. Instructor: Mr. Patterson.
- Psychology 523. Theories of Personality and Adjustment.* An examination of the major theories of personality and adjustment including an introduction to psychopathology. 3 credits. Instructor: Mr. Patterson.
- Psychology 530. Developmental Psychology of Early Childhood.* A consideration of the principles of growth and development from conception to age eight. Recent research regarding major aspects of development (physical, social, mental, emotional, etc.) and its importance to early childhood education is emphasized. 3 credits. Instructor: Mr. Banton.

For Graduates Only

- Education 600. Thesis Research.* Selected topics for Master's theses: The Staff.
- Education 661. Research in Education.* An examination of methodology in educational research involving the historical, sample-survey, case and clinical

studies, developmental, and experimental methods. Special emphasis is given to the development and testing of hypotheses and interpretation of research findings. Instructor: Mr. Patterson.

Education 681. *Evaluation of Education*. Techniques and resources of educational evaluation of instructional efficiency helpful to teachers, supervisors, and administrators. 3 credits. Instructors: Miss Bingner, Mr. DeWitt, Mr. Patterson, Mrs. Ra.

Philosophy 651. *The Philosophy of Comparative Education*. A study of the philosophical origins of selected foreign educational systems. 3 credits. Instructors: Mr. Land, Mr. Swertfeger.

Psychology 622. *Psychology of Learning*. The study of the basic facts and principles of human learning with particular emphasis on educational practice. 3 credits. Instructors: Mr. DeWitt, Mr. Swertfeger, Mrs. Wacker.

DEPARTMENT OF ENGLISH

William L. Frank, *Chairman*

Mrs. Beaumont, Mr. Blackwell, Miss Craft, Miss Douglass, Miss Drowota, Mr. Eyster, Miss Fritsche, Mr. Gresham, Mr. Herndon, Mr. Hevener, Mrs. Hooker, *Mr. Hughes, Miss May, Mr. Pyle, *Miss Seidell, Mr. Sowder, Miss Sprague, *Mr. Stuart

The Department of English seeks to provide its majors a philosophy of language, a philosophy of literature, and skill in communication and offers them courses leading to the A.B. and B.S. degrees in English and to the M.A. degree in Education. In cooperation with the Department of Speech and Dramatic Art, it offers a major in English and Dramatic Art and in English and Speech. Requirements for the undergraduate majors are as follows

Major in English in curricula for the A.B. and B.S. degrees—39 semester hours: (1) English 100; (2) English 211, 212; (3) English 300 or 510; (4) English 321, 322; (5) English 533 or 534; (6) Philosophy 361 or 362; and (7) fifteen hours of approved elective courses from Departmental offerings in writing, literature, and linguistics. Students working for the Collegiate Professional Certificate must also take English 400 and English 432.

Major in English and Dramatic Art in curricula for the A.B. and B.S. degrees—41 semester hours: (1) English 100; (2) English 211, 212; (3) English 300 or 510; (4) English 321 or 322; (5) nine hours of dramatic literature, including Dramatic Art 368; (6) Dramatic Art 101, 102; (7) Dramatic Art 301; (8) Dramatic Art 302; (9) Dramatic Art 402; and (10) Speech 403. Majors in English and Dramatic Art who are working for the Collegiate Professional Certificate must also take English 400 and English 432.

*On leave of absence 1968-69.

Major in English and Speech in curricula for the A.B. and B.S. degrees—42 semester hours: (1) English 100; (2) English 211, 212; (3) English 300 or 510; (4) English 321 or 322; (5) nine hours of approved elective courses from Departmental offerings in writing, literature, and linguistics; (6) Speech 100; (7) Speech 101; (8) Speech 201; (9) Speech 311; (10) Speech 401; (11) Speech 403. Majors in English and Speech who are working for the Collegiate Professional Certificate must also take English 400 and English 432.

The requirements for a major in English satisfy the Virginia Certification Regulations for Teachers, effective July 1, 1968, which state: "The requirement of a minimum of 30 semester hours shall include courses in English literature, American literature, language, and composition and should also include a course in advanced composition writing and a course in modern English grammar."

For certification to teach Speech, Dramatic Art, or Journalism as well as English, 6 additional semester hours in each field are required beyond the basic 30 semester hours in English. For Speech, the 6 additional hours may be obtained from any of the course offerings in Speech; for Dramatic Art, the 6 hours must be obtained from the following: Dramatic Art 101 and 102; for Journalism, English 223 and 323 satisfy the six-hour requirement.

Proficiency Test in Reading

A test to determine reading needs will be given to all freshmen and transfer students. Those found to be reading below college level will be required to take *Reading Improvement*, which is also open to any student interested in improving reading proficiency.

Prerequisites for English Courses

All English courses numbered 300 and above have English 100 as a prerequisite. Other prerequisites are listed for particular courses.

Writing

English 100. Expository Writing and Research Techniques. An introductory course in English Composition, concerned chiefly with Organization, Verbal Precision, Logic, and Style; some consideration will also be given to various literary genres. *Required of all students.* Offered each semester; 3 periods a week; 3 credits; prerequisite to all other English courses numbered 300 and above. (May not be taken by students who have taken English 111-112.) Instructors: The Staff.

English 220. Business Communications. Writing of business letters and complete business reports is emphasized; reading of professional business literature. Offered each semester; 3 periods a week; 3 credits. Instructor: Mrs. Taliaferro.

- English 223. Journalism.* Introduction to journalism with practice in journalistic writing. Emphasis upon daily routine news assignments and upon standard and news magazine practice. Those wishing journalism certification are required to serve on the student newspaper as a part of the work for this course. Alternate years. Offered second semester 1968-69; 3 periods a week; 3 credits. Instructor: Mr. Eyster.
- English 232. Advanced Expository Writing.* Criticism, argument, exposition, narration, and description. Second semester; 3 periods a week; 3 credits. Instructor: Mr. Eyster.
- English 323. Editorial Journalism.* Editing of books, magazines, and newspapers. Writing of editorials, critical reviews, feature stories, magazine articles, radio and television news broadcasts and information programs. Alternate years. Offered second semester 1969-70; 3 periods a week; 3 credits. Instructor: Mr. Eyster.
- English 351. Creative Writing.* Poetry, the short story, the novel, and narrative description. First semester; 3 periods a week; 3 credits. Instructor: Mr. Eyster.
- English. 432. Advanced Composition and Analysis of Literary Genres.* An in-depth course in written composition, organized along seminar lines, the courses will cater to the particular weakness of the individual student, with an equal emphasis on literature and composition. Offered each semester, but not in the summer session; 3 periods a week; 3 credits. (The English Department reserves to itself the right to waive this requirement for individual majors.) Instructors: The Staff.

Literature

- English 211, 212. Survey of English Literature.* The literature of England from the Old English Period into the Twentieth Century. First and second semesters; 3 periods a week; 3 credits each semester. Instructors: Miss Douglass, Mr. Frank, Miss Nichols, Mr. Pyle, Miss Sprague, Mr. Stuart.
- English 215, 216. Introduction to Literature.* Selected figures, types, and themes of world literature from the Greek Period to modern times. First and second semesters; 3 periods a week; 3 credits each semester. Instructors: Mrs. Beaumont, Miss Douglass, Mr. Eyster, Mr. Hevener.
- English 247. The Bible as Literature.* The Old and New Testaments as works of literature. Second semester; 3 periods a week; 3 credits. Instructor: Miss Seidell.
- English 321, 322. Survey of American Literature.* First semester: selected American writers from William Bradford to Walt Whitman. Second semester: selected American writers from Emily Dickinson to William Faulkner. First and second semesters; 3 periods a week; 3 credits each semester. Instructors: Mr. Frank, Mr. Sowder.
- English 326. Children's Literature.* Survey of children's literature; evaluation of children's books; study of the use of poetry and prose in the elementary classroom. Note: This course will not contribute toward the English requirement for General Education. Offered each semester to juniors and seniors only; 3 periods a week; 3 credits. Instructors: Mr. Gresham, Mr. Herndon, Mrs. Hooker, Mr. Woodburn.
- English 331. The English Novel to 1920.* Development of the English novel from Defoe to Henry James. First semester; 3 periods a week; 3 credits. Instructor: Mr. Herndon.
- English 332. The Contemporary British Novel.* Authors of the British novel from 1920 to the present. Second semester; 3 periods a week; 3 credits. Instructor: The Staff.

- English 333. The American Novel.* Historical development of form and theme in the American novel. Romanticism, realism, and naturalism to be considered in some depth. Offered second semester; 3 periods a week; 3 credits. Instructor: Mr. Frank.
- English 337. Literature for Young Adults.* A course designed to assist students preparing to teach in the secondary schools in the selection and evaluation of books for this age level, including adult books and classics. Note: This course will not contribute toward the English requirement for General Education. Offered each semester to juniors and seniors only; 3 periods a week; 3 credits. Instructor: Miss Sprague.
- English 355. Literature of the Far East* (in translation). An introductory study of Far Eastern literature and culture, with special attention given to the poetry, fiction, and drama of Japan. Prerequisites: English 211, 212, 215, or 216 or consent of instructor. Offered fall semester; 3 periods a week; 3 credits. Instructor: Mrs. Beaumont.
- English 362. Seventeenth Century Poetry and Prose, exclusive of Milton.* Donne, Jonson, Herrick, Herbert, Marvell, and other poets, with selected prose writers. Prerequisite: English 211-212 or consent of instructor. Alternate years. Offered first semester 1969-70; 3 periods a week; 3 credits. Instructor: Mr. Blackwell.
- English 363. English Literature of the 18th Century.* A survey of neo-classical poetry and prose with emphasis on Defoe, Addison and Steele, Swift, Pope, Richardson, Fielding, Johnson, and Goldsmith. Alternate years. Prerequisite: English 211-212 or consent of instructor. Second semester, 1969-70; 3 periods a week; 3 credits. Instructor: Miss Craft.
- English 364. Major British Romantic Poets.* Wordsworth, Coleridge, Byron, Keats, Shelley. Prerequisite: English 100 and 211 or 212; junior standing. First semester; 3 periods a week; 3 credits. Instructor: Mrs. Hooker.
- English 366. The Short Story.* A study of the modern short story as a literary form. First semester; 3 periods a week; 3 credits. Instructor: Mr. Eyster.
- English 367. Modern Poetry.* American and British poetry of the twentieth century with emphasis upon modern American poets. First semester; 3 periods a week; 3 credits. Instructor: The Staff.
- English 368. World Drama.* A study of the forms and types of representative plays in the main current of world drama from its beginning to Goethe. (Same as Dramatic Art 368.) In sequence with English 369 and 370. Offered first semester 1968-69; 3 periods a week; 3 credits. Instructor: Mr. Lockwood.
- English 369. Modern European Drama.* A study of the European theatre from Goethe through Shaw. (Same as Dramatic Art 369.) In sequence with English 368 and 370. Offered second semester 1968-69; 3 periods a week; 3 credits. Instructor: Mr. Lockwood.
- English 370. Contemporary Drama.* A study of European and American drama produced in the last fifty years. Brecht, Bolt, Betti, Albee, Frisch, Sartre, Girardoux, Ghelderode, and others. (Same as Dramatic Art 370.) In sequence with English 368 and 369. Offered first semester 1969-70; 3 periods a week; 3 credits. Instructor: Mr. Lockwood.
- English 412. Milton.* A study of Milton's thought, to include a close reading of *Paradise Lost*, *Paradise Regained*, *Samson Agonistes*, the important minor poems and selected prose. Prerequisite: English 211-212 or consent of instructor. Alternate years. Offered second semester, 1969-70; 3 periods a week; 3 credits. Instructor: Mr. Blackwell.
- English 413. English Drama to 1642.* A study of the origin and development of English drama from the Middle Ages until the closing of the theaters in 1642. Offered second semester; 3 periods a week; 3 credits. Instructor: Miss Craft.

Linguistics, Language Study, and Teaching

English 300. Traditional Grammar and Modern English Grammar. Offered each semester; 3 periods a week; 3 credits. Instructors: The Staff.

English 325. Language Arts and Reading in the Elementary School. (Same as Education 325.) Required for the B.S. degree in Elementary Education. Offered each semester; 3 periods a week; 3 credits. Instructors: Mr. Banton, Miss Bland; Mrs. Page, Mrs. Simmons, Miss Trent.

English 400. The Teaching of English. A study of current practices with emphasis on specific techniques and materials. Offered each semester; 3 periods a week; 3 credits. Instructor: Mr. Gresham.

English 401. Reading and Evaluation of Written Work. A tutorial course designed to prepare the teaching candidate to determine the effectiveness of English Composition. One period a week; 1 credit. Permission of instructor required. Instructors: The Staff.

Directed Teaching of English in the High School. Students majoring in English, preparing to teach English in the high school, carry on directed teaching in this field during their senior year as Education 400, under a general supervisor, supervising teacher, and a consultant in the Department of English. Consultant: Mr. Gresham.

Reading Improvement. Individualized programs designed to improve reading speed, comprehension, vocabulary, and study habits. Offered first semester; 2 periods a week; no credit. Instructor: Mr. Gresham.

GRADUATE OFFERING IN ENGLISH

An English major in the program for the degree of Master of Arts in Education may choose one of two plans of study, each totaling 30 semester hours.

Plan I. With thesis: English 510, 522, 600, and 631 or 632; Education 571 and 681; Psychology 622; and six hours of electives, one of which may be in a field other than English.

Plan II. Without thesis: English 510, 522, 631 or 632, and 561; Education 571 and 681; Psychology 622; and nine hours of electives, one which may be in a field other than English.

All courses numbered 500 and above have as a prerequisite at least two years of English.

For Graduates and Advanced Undergraduates

English 510. Introductory Linguistics. An introduction to current topics in linguistics, primarily descriptive and historical, with emphasis upon various modern grammars and upon the development of the English language. Offered first semester; 3 periods a week; 3 credits (Replaces English 505 and 506). Instructor: Miss Craft.

English 511, 512. Chaucer. A study of Chaucer's major poetry, with emphasis on *Troilus and Criseyda* in one semester, and on *The Canterbury Tales* in the other. Offered first and second semesters, alternate years; offered 1970-71; 3 periods a week; 3 credits each semester. Prerequisite: English 211, 212 or consent of instructor. Instructor: Miss Sprague.

English 513. Middle English Literature. A study of English literature from the Norman Conquest to Malory, exclusive of Chaucer. Offered first semester; 3 periods a week; 3 credits. Instructor: Miss Craft.

English 522. Practical Literary Criticism. A study of the various methods of evaluating literature. Historical, humanistic, philosophical, and formalistic ap-

proaches demonstrated in the criticism of the selected works. Second semester; 3 periods a week; 3 credits. Instructor: Mr. Hevener.

English 532. Literature of the South. A survey of literature produced in the south from 1607 to the present, with emphasis on Poe, the Nashville Agrarians, and Faulkner. First and second semesters; 3 periods a week; 3 credits. Instructor: Mr. Sowder.

English 533, 534. Comparative Literature. First semester: ancient, medieval, and Renaissance European classics in translation. Second semester: European literature of the neo-classical romantic, and modern periods in translation. Prerequisite: 6 hours of credit in English or foreign language literature beyond the freshman level; senior or graduate standing. Recommended to be taken concurrently with Philosophy 361 or 362. First and second semesters; 3 periods a week; 3 credits each semester. Instructor: Mrs. Hooker.

English 560, 561. Shakespeare. A chronological study of Shakespeare's works (Same as Dramatic Art 560, 561). First and second semesters; 3 periods a week; 3 credits each semester. Instructor: Miss May.

English 565, 566. Literature of the Victorian Age. A study of the major literary figures of the Victorian Age, with emphasis on Tennyson, Browning, Arnold, Rossetti, Swinburne, Carlyle, Macaulay, Ruskin and Pater; some attention to be given to the major novelists. First and second semesters. Alternate years; offered 1969-70; three periods a week; 3 credits each semester. Prerequisite: English 211, 212 or consent of instructor. Instructor: Miss Sprague.

English 568. Yeats and Joyce. A study of the complete poems of Yeats and the novels of Joyce, primarily *Portrait* and *Ulysses*, with a consideration of the general Irish Revival. Second semester; 3 periods a week; 3 credits. Instructor: Staff.

For Graduates Only

English 600. Thesis Research. Study of a selected topic for the Master's thesis under the direction of a departmental advisor. 6 credits.

English 631. Study of a Literary Figure: Shakespeare. Alternate years. Offered first semester 1969-70; one 2½-hour period a week; 3 credits. Instructor: Mr. Blackwell.

English 632. Study of a Literary Figure: Keats. Alternate years. Offered second semester 1968-69; one 2½-hour period a week; 3 credits. Instructor: Mrs. Hooker.

English 633. Studies in 19th Century American Literature. Hawthorne and Melville, or Whitman and Dickerson, or Twain, Howells, and James. May be taken twice with consent of instructor. Offered second semester and summer school; 2 periods a week; 3 credits. Instructor: Mr. Frank.

English 651. Seminar in English Composition. Procedures and problems of composition, including readings in current literature on rhetoric and style. Offered second semester 1968-69; one 2½-hour period a week; 3 credits. Instructor: Mr. Eyster.

DEPARTMENT OF SPEECH AND DRAMATIC ART

Patton Lockwood, *Chairman*

Mr. Melsness, Mr. Rutherford, Mr. Woodburn

It is assumed that a college graduate should be able to express ideas clearly, logically, and persuasively. To aid in the development of these skills, basic courses in public speaking, interpretation, and persuasion (Speech 101, 312, 403) may be elected without prerequisite. They are designed to serve students planning to enter occupations which require effective oral communication, such as teaching, business administration, personnel work, government service, law, and the ministry. These courses provide training in gathering, analyzing, and organizing evidence, with proper regard for logical and psychological factors important in audience situations, and in the development of effective delivery. Videotape facilities are available and may be used in evaluating platform assignments.

Dramatic art offers a total experience involving intellectual, emotional, and physical aspects which contribute to the personal and social development of the individual. Courses in dramatic art designed to give students an insight into human character and life as reflected in dramatic literature, a breadth of empathic experiences permitting them to participate vicariously in the lives and experiences of other people, an appreciation of good theatre and worthwhile dramatic literature, critical standards of judgment, and an ability to move and speak effectively on stage. More specialized courses deal with technical and aesthetic aspects of the theatre.

Three dual majors are offered by the department, two in conjunction with the Department of English: A major in Speech and Dramatic Art; Speech and English; and Dramatic Art and English. Specific requirements for these majors leading to the A.B. and B.S. degrees are as follows:

Major in Speech and Dramatic Art—38 semester hours: Speech 100, 101, 201, 311, 401, 403; Dramatic Art 101, 102, 301, 302, 368, 402; and one of the following: Dramatic Art 369, 370, or 413, 560, or 561.

Major in English and Dramatic Art—38 semester hours: English 100, 211-212, 321 or 322, 505; Dramatic Art 101, 102, 301, 302, 402; Speech 403; and six hours of dramatic literature, including Dramatic Art 368. The major in English and Dramatic Art who is working for the Collegiate Professional Certificate must also take English 400.

Major in English and Speech—39 semester hours: English 100, 211-212, 321 or 322, 505; Speech 100, 101, 201, 311, 401, 403; and 6 hours in approved offerings by the English Department in writing,

literature, and linguistics. The major in English and Speech who is working for the Collegiate Professional Certificate must also take English 400.

For certification in Speech or Dramatic Art as well as English, 6 additional semester hours are required in each field beyond the basic 30 semester hours in English. Certification to teach separately Speech or Dramatic Art requires 12 semester hours of work in each field. For Speech, the 6 or 12 semester hours may be obtained from *any* of the course offerings in Speech; for Dramatic Art the 6 hours must be obtained from Dramatic Art 101 and 102, and the 12 hours will include Dramatic Art 101, 102, 300, and 301.

Speech

Speech 100. Voice and Diction. Study of the vocal mechanism and voice production. Analysis of the sounds of American English through phonetic study. Improvement of personal speech skills through reading exercises. Offered each semester; 3 periods a week; 3 credits. Instructor: Mr. Woodburn.

Speech 101. Fundamentals of Public Speech. An introductory study of effective and responsible speaking. Provisions will be made for practical application. Offered each semester; 3 periods a week including a one-hour laboratory period; 3 credits. Instructors: The Staff.

Speech 201. Discussion and Debate. Study and analysis of public discussion and debate concerning current national and international issues; discussion types and methods; argumentation. Parliamentary procedure and conduct of the democratic meeting. Second semester; 3 periods a week; 3 credits. Instructor: Mr. Woodburn.

Speech 311. Radio and Television. Radio skills with studio practice; elementary television, function of radio and television media in American culture. First semester; 3 periods a week; 3 credits. Instructor: Mr. Woodburn.

Speech 312. Persuasion. Advanced public speaking with particular emphasis on the rhetoric of persuasive speech. First semester; 3 periods a week; 3 credits. Instructor: Mr. Rutherford.

Speech 401. Speech for the Classroom Teacher. The role of speech in teaching; physiology of speech, voice training, speech corrective measures, public address, and group discussion techniques. Second semester; 3 periods a week; 3 credits. Instructor: Mr. Woodburn.

Speech 403. Oral Interpretation. Development of skill in oral reading: the expression and discipline of voice, thought, emotional response, and bodily action; techniques of presentation as adapted to varying forms and types of literature. Practice in reading prose, poetry, and drama designed to increase literary appreciation. Second semester; 3 periods a week; 3 credits. Instructor: Mr. Rutherford.

Dramatic Art

Dramatic Art 101, 102. Play Production. A lecture and laboratory course. First semester: introduction to the theatre including methods of play analysis; organization of the professional and educational theatre; methods of scene construction and painting. Second semester: methods of lighting the stage; scene, costume, and light design. First and second semesters; 3 double periods a week; 3 credits each semester. Instructor: Mr. Melsness.

Dramatic Art 300. Children's Theatre. A study of the special requirements of presenting drama to children and of the nature of the child's response to theatrical experience. An exploration of improvisation as a basic directorial tool in work with children. In sequence with Dramatic Art 301 and 302. Offered second semester 1969-70; 3 two-hour class-laboratories a week; 3 credits. Instructor: Mr. Lockwood.

Dramatic Art 301. Problems in Directing. Directing with particular reference to the educational theatre, theatre organization, styles of presentation, composition and picturization, and relationships between the director and other theatre workers. Students to direct one-act plays and assist in direction of the major productions of the semester. Prerequisite: Dramatic Art 101 or 102. In sequence with Dramatic Art 300 and 302. Offered first semester 1970-71; 3 periods a week; 3 credits. Instructor: Mr. Lockwood.

Dramatic Art 302. Fundamentals of Acting. Study of methods and styles of acting; historical development of acting as a fine art. Pantomime and improvisation. Students to perform in major productions, one-act plays, and class exercises and scenes. Prerequisite: Dramatic Art 101 or 102. In sequence with Dramatic Art 300 and 301. Offered first semester 1969-70; 2 double periods a week; 2 credits. Instructor: Mr. Lockwood.

Dramatic Art 303. Scene Design. A lecture-laboratory course dealing with the concept of scene design, the practical application of basic principles to modern staging methods, the function of scene design in its relation to the play, and the visual contribution of design to the production as a whole. Procedures and presentation techniques, theatre lighting, analysis of equipment needs of educational producing groups. Prerequisite: Dramatic Art 101, 102 or consent of instructor. Alternate years. Offered second semester 1969-70; 2 double periods a week; 2 credits. Instructor: Mr. Melsness.

Dramatic Art 304. Costuming. A lecture-laboratory course dealing with the history of costumes for stage productions, the organization and care of theatre wardrobe, and the theory and technique of stage make-up. Laboratory work coordinated with college productions. Prerequisites: Dramatic Art 101 and 102 or consent of instructor. Alternate years. Offered first semester 1970-71; 2 double periods a week; 2 credits. Instructor: Mr. Melsness.

Dramatic Art 368. World Drama. A study of the forms and types of representative plays in the main current of world drama from its beginning to Goethe. (Same as English 368.) In sequence with Dramatic Art 369 and 370. Offered second semester 1969-70; 3 periods a week; 3 credits. Instructor: Mr. Lockwood.

Dramatic Art 369. Modern European Drama. A study of the European theatre from Goethe through Shaw. (Same as English 369.) In sequence with Dramatic Art 368 and 370. Offered first semester 1970-71; 3 periods a week; 3 credits. Instructor: Mr. Lockwood.

Dramatic Art 370. Contemporary Drama. A study of European and American drama produced in the last fifty years. Brecht, Bolt, Betti, Albee, Frisch, Sartre, Giradoux, Ghelderode, and others. (Same as English 370.) In sequence with Dramatic Art 368 and 369. Offered first semester 1969-70; 3 periods a week; 3 credits. Instructor: Mr. Lockwood.

Dramatic Art 402. History of the Theatre. A study of Western and Oriental theatre from its beginnings to the present with special emphasis on the impact of the theatre arts on Western civilization. First semester; 3 periods a week; 3 credits. Instructor: Mr. Melsness.

Dramatic Art 404. Play Writing. An historical survey of play-writing techniques of the past and the present; the development in the student, of a philosophy of play writing which clarifies objective and means; emphasis on theory and

practice in play writing; the writing of a one-act play. Offered second semester; 2 two-hour class-laboratories a week; 3 credits. Instructor: Mr. Lockwood.

Dramatic Art 413. English Drama to 1642. A study of the origin and development of English drama until the closing of the theaters in 1642, with particular emphasis on Marlowe, Chapman, Dekker, Jonson, Beaumont, and Fletcher. (Same as English 413.) Alternate years. Offered second semester 1969-70; 3 periods a week; 3 credits. Instructor: Mr. Blackwell.

Dramatic Art 560, 561. Shakespeare. Selected comedies, tragedies, and non-dramatic poetry. (Same as English 560, 561). 560 offered first semester, 561 second semester; 3 periods a week; 3 credits. Instructor: Miss May.

DEPARTMENT OF FOREIGN LANGUAGES

Frances M. Garnjost, *Acting Chairman*

Mrs. Ernouf, Mrs. Koonce, Mr. Nunn, Mr. Sandidge, Mr. Saunders,
Mrs. Silveira

Majors in French, German, or Spanish must complete 24 semester hours in the language beyond the Intermediate course, including courses numbered 321-322, 401, and 402, and 12 additional semester hours French 321-322, German 321-322, or Spanish 321-322, are prerequisite to other literature courses. Those preparing to teach must take the 400 course. Supporting courses are recommended in English, linguistics, philosophy, and history. Study of a second foreign language is strongly recommended. Majors in Elementary Education are encouraged to certify in the language of their choice.

Majors in Latin through the cooperative program with Hampden-Sydney must complete 18 semester hours in the language beyond the Intermediate course and 6 semester hours in either a modern language beyond the beginning level at Longwood College or Greek at Hampden-Sydney. At least 3 semester hours in Ancient History is recommended. Those preparing to teach must meet the usual requirements in Education.

A student who plans to take courses abroad and receive credit toward a Longwood degree is required to submit well in advance, to the Chairman of the department and to the Dean of the College, a written statement describing the plan under which the student expects to study. Advance approval is required if credit is to be allowed at Longwood.

French

French 111-112. Beginning French. A balanced program in understanding, speaking, reading, and writing proficiency within the framework of a first-year college program. Laboratory practice required. 3 periods a week; 3 credits each

semester. No credit given to a student with 2 years or more of secondary school study in the language. Instructor: Mrs. Garnjost.

French 211-212. Intermediate French. Readings in aspects of French civilization and introductory literary texts. Review of grammar. Laboratory practice. Prerequisite: French 111-112 or its equivalent. 3 periods a week; 3 credits each semester. Instructor: Mr. Nunn.

French 221, 222. Advanced French Composition and Conversation. Prerequisite: French 211-212 or Advanced Placement. 3 periods a week; 3 credits each semester. Instructor: Mrs. Saunders.

French 321-322. A Survey of French Literature. Prerequisite: French 211-212 or Advanced Placement. This course is prerequisite to other literature courses. With permission of the department, it may be taken concurrently. 3 periods a week; 3 credits each semester. Instructor: Mrs. Saunders.

French 400. Methods of Teaching French. One period a week; 1 credit. Offered first semester. Recommended to be taken in the junior year. Instructor: The Staff.

French 401. Advanced Grammar. A review course. Limited to juniors and seniors preparing to teach French. 3 periods a week; 3 credits. Instructor: Mrs. Garnjost.

French 402. Advanced Phonetics. Theory and practice in the spoken language. Valid techniques and their uses in attaining mastery of oral French. 3 periods a week; 3 credits. Instructor: Mrs. Garnjost.

French 441, 442. Literature of the Seventeenth Century. Literary trends of French Classicism. Study in depth of Descartes, Pascal, La Fontaine, Moliere, Corneille, and Racine. Alternate years. Offered 1969-70. 3 periods a week; 3 credits each semester. Instructor: Mrs. Garnjost.

French 451, 452. Literature of the Eighteenth Century. The Age of Enlightenment. The growth of modern thought and criticism. Emphasis upon Montesquieu, Diderot, Voltaire, and Rousseau. Alternate years. Offered 1970-71. 3 periods a week; 3 credits each semester. Instructor: Mr. Nunn.

French 461, 462. Literature of the Nineteenth Century. Romanticism, Realism, Naturalism, and the Parnassian and Symbolist movements. Alternate years. Offered 1970-71. 3 periods a week; 3 credits each semester. Instructor: Mrs. Garnjost.

French 471, 472. Literature of the Twentieth Century. Main currents in contemporary French thoughts as reflected in the various *genres*, poetry, drama, and the novel. Special attention to the development of surrealism and existentialism. 3 periods a week; 3 credits each semester. Instructor: Mr. Nunn.

French 511. Life and Literature in the Middle Ages. The political and artistic development of medieval France seen through: the epic, the *roman courtois*, Chretien de Troyes, *Aucassin et Nicolette*, *Tristan et Iseut*, the *fabliaux*, the sacred and profane theatre, Charles d'Orleans and Villon. First semester; 3 periods a week; 3 credits. Alternate years. Offered 1969-70. Instructor: Mr. Nunn.

French 512. Life and Literature in the Sixteenth Century. The age of the Renaissance and the Reformation. The mood and temper of the time and its expression in the works of leading authors such as Rabelais, the members of the Pleiade, DuBellay, Ronsard and Montaigne. Second semester; 3 periods a week; 3 credits. Alternate years. Offered 1969-70. Instructor: Mr. Nunn.

French 521. Directed Study. Individualized study in literature. Recommended only when material cannot be studied in scheduled courses. By permission of the department chairman. 3 periods a week; 3 credits. Instructor: The Staff.

German

German 111-112. Beginning German. A balanced program in understanding, speaking, reading, and writing proficiency within the framework of a first-year college program. Laboratory practice required. 3 periods a week; 3 credits each semester. No credit given to a student with 2 years or more of secondary school study in the language. Instructor: Mr. Sandidge.

German 211-212. Intermediate German. Readings in representative cultural and literary texts. Review of grammar. Laboratory practice. Prerequisite: German 111-112 or equivalent. 3 periods a week; 3 credits each semester. Instructor: Mr. Sandidge.

German 221, 222. Advanced German Composition and Conversation. Prerequisite: German 211-212 or Advanced Placement. 3 periods a week; 3 credits each semester. Instructor: Mr. Sandidge.

German 321-322. A Survey of German Literature. Prerequisite: German 211-212 or Advanced Placement. This course is prerequisite to other literature courses. With permission of the department it may be taken concurrently. 3 periods a week; 3 credits. Instructor: Mr. Sandidge.

German 400. Methods of Teaching German. 1 period a week; 1 credit. Offered first semester. Recommended to be taken in the junior year. Instructor: The Staff.

German 401. Advanced Grammar. A review course. Limited to juniors and seniors preparing to teach German. 3 periods a week; 3 credits. Instructor: The Staff.

German 402. Advanced Phonetics. Theory and practice in the spoken language. Valid techniques and their uses in attaining mastery of oral German. 3 periods a week; 3 credits. Instructor: The Staff.

German 521. Directed Study. Individualized study in literature. Recommended only when material cannot be studied in scheduled courses. By permission of the department chairman. 3 periods a week; 3 credits. Instructor: The Staff.

Spanish

Spanish 111-112. Beginning Spanish. A balanced program in understanding, speaking, reading, and writing proficiency within the framework of a first-year college program. Laboratory practice required. 3 periods a week; 3 credits each semester. No credit given to a student with 2 years or more of secondary school study in the language. Instructor: Mrs. Koonce.

Spanish 211-212. Intermediate Spanish. Readings in aspects of Spanish and Latin-American civilization and representative literary texts. Review of grammar. Laboratory practice. Prerequisite: Spanish 111-112 or equivalent. 3 periods a week; 3 credits each semester. Instructor: Mrs. Ernouf.

Spanish 221, 222. Advanced Spanish Composition and Conversation. Prerequisite: Spanish 211-212 or Advanced Placement. 3 periods a week; 3 credits each semester. Instructor: Mrs. Koonce.

Spanish 321-322. A Survey of Spanish Literature. Prerequisite: Spanish 211-212 or Advanced Placement. This course is prerequisite to other literature courses. With permission of the department it may be taken concurrently. 3 periods a week; 3 credits each semester. Instructor: Mrs. Silveira.

Spanish 400. Methods of Teaching Spanish. 1 period a week; 1 credit. Offered first semester. Recommended to be taken in the junior year. Instructor: The Staff.

- Spanish 401. Advanced Grammar.* A review course. Limited to juniors and seniors preparing to teach Spanish. 3 periods a week; 3 credits. Instructor: Mrs. Silveira.
- Spanish 402. Advanced Phonetics.* Theory and practice in the spoken language. Valid techniques and their uses in attaining mastery of oral Spanish. 3 periods a week; 3 credits. Instructor: Mrs. Silveira.
- Spanish 421-422. Spanish-American Literature.* Study of representative authors from the Colonial period to the present. 3 periods a week; 3 credits each semester. Instructor: Mrs. Koonce.
- Spanish 441, 442. Literature of the Golden Age.* First semester: A study of the Spanish drama of the sixteenth and seventeenth centuries. Lope de Vega, Calderon, Tirso de Molina, and other representative figures. Second semester: A study of the chivalric, sentimental, pastoral, and *picaresque genres* of prose, culminating with Cervantes. 3 periods a week; 3 credits each semester. Alternate semesters. Instructor: Mrs. Silveira.
- Spanish 461. Literature of the Nineteenth Century.* First semester: A study of the Romantic theatre; Costumbrism, Realism, and Naturalism in the novel. 3 periods a week; 3 credits alternate semesters. Instructor: Mrs. Silveira.
- Spanish 462. Generation de '98.* Representative figures include Unamuno, Azorin, and Baroja. 3 periods a week; 3 credits. Alternate semesters. Instructor: Mrs. Silveira.
- Spanish 471, 472. Literature of the Twentieth Century.* Contemporary studies in the genres of poetry, drama, and the novel. 3 periods a week; 3 credits each semester. Instructor: Mrs. Ernouf.
- Spanish 521. Directed Study.* Individualized study in literature. Recommended only when material cannot be studied in scheduled courses. By permission of the department chairman. 3 periods a week; 3 credits. Instructor: The Staff.
- Spanish 522. Cervantes.* 3 periods a week; 3 credits. Offered upon demand. Instructor: Mrs. Ernouf.

DEPARTMENT OF HISTORY AND THE SOCIAL SCIENCES

Charles F. Lane, *Chairman*

Mr. Berkis, Mr. Bittinger, Mr. Burke, Mr. Couture, Mrs. Cover,
Mr. Cristo, Mr. Crowl, Miss Etheridge, Mr. Hall, Mr. Helms, Mr.
McCrimmon, Mr. Magnusson, Mr. Mortimer, Mr. Ra, Mr. Rubley,
Mr. Scolnick, Mr. Sneller, Mr. Stauffer

The Department of History and the Social Sciences offers courses in anthropology, economics, geography, government, history, and sociology. Majors may be taken in History, Economics, Geography, Government, Sociology, or Social Science. All of these majors meet the Collegiate Professional Certification standards for teaching in Virginia. For a state endorsement in history, geography, government, or sociology, a course in basic economics is required.

The following courses totaling 48 semester hours are required for a Social Science major

History 111-112	6 hours	Geography 141-142	6 hours
History 221-222	6 hours	Government 335-336	6 hours
History 334	3 hours	Government elective	6 hours
History 343	3 hours	Economics 331-332	6 hours
History 452	3 hours	Sociology 221	3 hours

The major in History requires 30 semester hours in History beyond one of the survey courses (History 111-112, or History 221-222), and 12 hours in related Social Sciences (3 hours must be in economics). Students majoring in History are required to complete, in sequence, Plan 1 or Plan 2 listed below.

<i>Plan 1</i>		<i>Plan 2</i>	
History 111-112	6 hours	History 221-222	6 hours
History 305	3 hours	History 339	3 hours
History 447	3 hours	History 340	3 hours
History 449	3 hours	History 341	3 hours
History 402	3 hours	History 342	3 hours
History 334	3 hours	History 343	3 hours
History 452	3 hours	History 452	3 hours
European History		American History	
elective	6 hours	elective	6 hours
History electives	6 hours	History electives	6 hours
<hr/> 36 hours		<hr/> 36 hours	

Courses selected from at least 2 of the following areas: History 111-112, Economics 331-332, Economics 202, Geography 141-142, Geography 201, Government 335-336, Government 201, Sociology 221, or Anthropology 301, will meet the nine hours of general education requirements in the social sciences for all curricula except the one for elementary majors. The latter must take History 111-112. For the second social science requirement, all students must take either History 221 or 222 (History 222 is recommended).

The subject matter of geography is dual in nature in that it deals with the areal arrangements for both cultural and physical elements. Major emphasis is placed upon human activities and their spatial associations. A major in Geography requires 30 hours in Geography and 12 hours in related social sciences. Six hours from Geography 141-142 or Geography 251, 252 are required. Twelve hours must be in Systematic Geography (Geography 242, 354, 356, 444, or 445). The remaining hours must be selected from Regional Geography courses. Geology 111 may be included in a Geography major.

The Government major requires 30 semester hours in government courses and 6 hours in related history and/or social sciences. These requirements are in addition to the General Education requirements in the social sciences.

The following courses are required for a Government major: Government 335-336, 337-338, and 445-446.

Twelve hours selected from the courses listed below:

Government 201
Government 241
Government 242
Government 346
Government 435, 436
Government 437, 438
Government 447

Six hours selected from the courses listed below:

History 335
History 336
History 343
History 535
Economics 342
Economics 410
Geography 444
Geography 450
Government 354

The Economics major is planned to meet the needs of those students desiring specific endorsements to teach Economics and Accounting and to give the subject matter background necessary for careers in business management.

Prerequisites to advanced courses in Economics are Accounting 241, Business Statistics 201, and Principles of Economics 331-332. A major in Economics requires the following subjects.

Principles of Economics	6 hours
Approved elective Economics courses	9 hours
Business Statistics	3 hours
Elementary Accounting	6 hours
Intermediate Accounting	3 hours
Income taxes and payroll accounting	3 hours
Business Law	3 hours
TOTAL	33 hours

The major in Sociology is planned to meet the needs of those students desiring to enter the field of social work or desiring to enter a graduate school of sociology. These students must take the Bachelor of Arts degree. Students who plan to teach on the secondary level should major in one of the other social sciences and take eighteen hours in Sociology in order to receive an endorsement to teach Sociology.

A major in Sociology requires Anthropology 301, Economics 331-332, Government 335-336, and 24 credits in Sociology, which should include Sociology 221-222. Students preparing to enter social welfare work should take at least 24 credits in Sociology, including Social Psychology; 8 credits in Biology; 6 credits in Economics; and 6 credits in American Government.

A student majoring in History or the Social Sciences may be required to take a comprehensive examination preceding student teaching to demonstrate academic proficiency in her major subjects.

*American History**

History 221, 222. American History. An introductory survey course in American history. First and second semesters; 3 periods a week; 3 credits each semester. Instructors: The Staff.

History 334. Domestic United States History Since 1900. Prerequisite: History 221, 222. Offered first semester; 3 periods a week; 3 credits. Instructor: Mr. Sneller.

History 335. American Diplomatic History Since the Civil War. Prerequisite: History 221, 222. Offered second semester; 3 periods a week; 3 credits. Instructor: Mr. Sneller.

History 336. Economic History of the United States. Prerequisite: History 221, 222. Offered first and second semesters; 3 periods a week; 3 credits. Instructor: Mr. Cristo.

History 402. Civil War, Reconstruction, and Emergence of Modern America. Prerequisite: History 221, 222. Offered second semester; 3 periods a week; 3 credits. Instructor: Mr. Hall.

History 406. Southern History. Prerequisite: History 221, 222. Offered first semester; 3 periods a week; 3 credits. Instructor: Mr. Hall.

History 442, 443. Virginia History. Prerequisite: History 221, 222. First semester: The Colony; second semester: The Commonwealth. First and second semesters; 3 periods a week; 3 credits each semester. Instructor: Mr. Couture.

History 447. American Colonial History. Prerequisite: History 221, 222. Offered second semester; 3 periods a week; 3 credits. Instructor: Mr. Helms.

History 449. The Early National Period. Study of the United States from the Revolution to the Mexican War. Prerequisite: History 221, 222. Offered first semester; 3 periods a week; 3 credits. Instructor: Mr. Helms.

History 453. American Social and Intellectual History to 1865. A review of ideas and attitudes in their social context, beginning with the European heritage and continuing through their adaptation to the frontier environment. Prerequisite: History 221, 222. Offered first semester; 3 periods a week; 3 credits. Instructor: Miss Etheridge.

History 454. American Social and Intellectual History Since 1865. A study of the principal developments in American philosophy, religion, science, and literature. Prerequisite: History 221, 222. Offered second semester; 3 periods a week; 3 credits. Instructor: Miss Etheridge.

*European History**

History 111, 112. History of Civilization. A survey course in western civilization. First and second semesters; 3 periods a week; 3 credits each semester. Instructors: The Staff.

History 305. Tudor-Stuart England. Prerequisite: History 111, 112. Offered first semester; 3 periods a week; 3 credits. Instructor: Mr. Couture.

History 306. Georgian England. Prerequisite: History 111, 112. Alternate years. Offered second semester 1968-69; 3 periods a week; 3 credits. Instructor: Mr. Couture.

History 339. Ancient History. Prerequisite: History 111-112. Offered first semester; 3 periods a week; 3 credits. Instructor: Mr. Berkis.

*The prerequisites do not apply to History majors since they are following a planned sequence of courses.

History 340. Medieval History. Study of Europe from the Fall of Rome through the Renaissance. Prerequisite: History 111-112. Offered second semester; 3 periods a week; 3 credits. Instructor: Mr. Berkis.

History 341. European History, 1500 to 1815. Absolutism and Revolution in Europe. Prerequisite: History 111-112. Offered first semester; 3 periods a week; 3 credits. Instructor: Mr. Bittinger.

History 342. European History, 1815 to 1870. Nineteenth century European history. Prerequisite: History 111-112. Offered second semester; 3 periods a week; 3 credits. Instructor: Mr. Bittinger.

History 343. European History, 1870 to the Present. Twentieth century European history. Prerequisite: History 111-112. Offered second semester; 3 periods a week; 3 credits. Instructor: Mr. Berkis.

History 448. History of Russia. Prerequisite: History 111-112. Alternate years. Offered first semester 1968-69; 3 periods a week; 3 credits. Instructor: Mr. Crowl.

Latin-American History

History 431, 432. Latin-American History. First semester: the colonial period; second semester: the period of independence. First and second semesters; 3 periods a week; 3 credits each semester. Instructors: The Staff.

History 433. Latin America in the Twentieth Century. Social, political, cultural, and economic movements since the beginning of the twentieth century, with special emphasis on Mexico, Brazil, Argentina, Chile, Peru, Uruguay, and Colombia. 3 periods a week; 3 credits. Instructors: The Staff.

Asian History

History 455, 456. History of the Far East. 3 periods a week; 3 credits each semester. Instructor: Mr. Ra.

Other Undergraduate History Courses

History 452. Concepts and Techniques in History and the Social Sciences. A study of the nature, the uses, and the materials of history and social science, with specific attention to the component areas of the field (history, political science, geography, economics, and sociology) and their interrelationships. Required of all students preparing to teach history and the social sciences. Offered both semesters; 3 periods a week; 3 credits. Instructors: Mr. Hall and Staff.

History 460, 461, 462. History Seminar. Offered on demand. 1 period a week; 1 credit. Open to junior and senior history majors. Instructors: The Staff.

History 466. Directed Study in History. Offered on demand. 3 to 6 credits. Must be approved by Chairman of Department. Instructors: The Staff.

Economics

Economics 201. Business Statistics. A study of the basic statistical methods appropriate for dealing with problems in business and the social sciences. Offered second semester; 3 periods a week; 3 credits. Instructor: Mr. Cristo.

Economics 202. Basic Economics. A concentrated study of economic principles with emphasis on methods of economic analysis and current economic problems. Offered each semester; 3 periods a week; 3 credits. Instructors: Mr. Cristo, Mr. Stauffer.

Economics 331-332. Principles of Economics. First and second semesters; 3 periods a week; 3 credits each semester. Instructors: Mr. Cristo, Mr. Stauffer.

- Economics 336. Economic History of the United States.* Prerequisite: History 221-222. Offered second semester 1969-70; 3 periods a week; 3 credits. Instructor: Mr. Cristo.
- Economics 342. Comparative Economic Systems.* A critical study of capitalism, socialism and autocratic systems. Offered second semester 1970-71; 3 periods a week; 3 credits. Instructor: Mr. Stauffer.
- Economics 406. Public Policies in Relation to Business and Labor.* A study of the labor movement in the United States and the changing public policy and regulation of both business and labor. Offered first semester; 3 periods a week; 3 credits. Instructor: Mr. Cristo.
- Economics 408. History of Economic Thought.* A study of the economic thought and theories from Aristotle to the present. Offered first semester 1970-71; 3 periods a week; 3 credits. Instructor: Mr. Stauffer.
- Economics 410. Problems of American Capitalism.* A study of the structure and characteristics of the American economic system, including an analysis of problems related to monopolies, collective bargaining, agriculture, poverty, foreign trade, inflation, and economic growth. Offered second semester 1969-70; 3 periods a week; 3 credits. Instructor: Mr. Stauffer.
- Economics 455. Money and Banking.* First semester; 3 periods a week; 3 credits. Instructor: Mr. Leeper.
- Economics 465. International Trade.* A study of the fundamental principles of international trade, balance of payments problems, and problems of foreign exchange. Offered first semester; 3 periods a week; 3 credits. Instructor: Mr. Cristo.

Geography

- Geography 141-142. Principles of Geography.* Fundamentals of geography as a foundation to the understanding of man's environment. First and second semesters; 3 periods a week; 3 credits each semester. Instructor: Mr. Mortimer.
- Geography 201. Basic Elements of Geography.* The scope and nature of geographic philosophies are treated. Special emphasis is placed on the significance of man, culture, and the cultural process in the organization of space on the earth's surface. First and second semesters; 3 periods a week; 3 credits. Instructor: Mr. Mortimer.
- Geography 211, 212. World Geography—A Conceptual Approach.* An experimental and practical approach in teaching world and regional geography. Skills involved in reading and interpreting geographic data will be emphasized. First and second semesters; 3 periods a week; 3 credits each semester. Instructors: Mr. Mortimer, Mr. Rubley.
- Geography 242. Economic Geography.* Relation of geographic factors to economic conditions in determining the nature and location of the several productive occupations and the distribution of the output of these occupations, including their transportation and marketing. Second semester; 3 periods a week; 3 credits. Instructor: Mr. Rubley.
- Geography 251. Physical Geography—Meteorology and Climatology.* The study of basic weather phenomena and processes is emphasized. The varieties of climate and their origin in terms of air masses, source regions, and frontal zones are treated. First semester; 3 periods a week; 3 credits. Instructors: Mr. Mortimer, Mr. Lane.
- Geography 252. Physical Geography—Pedology, Hydrology, Plant Geography and Earth Resources.* A study of the physical environment in which terrestrial elements are analyzed and inter-related. The natural resource base is em-

phasized. Second semester; 3 periods a week; 3 credits. Instructors: Mr. Mortimer, Mr. Lane.

Geography 353. Geography of Virginia. Geographical appraisal of Virginia, including the geology, landforms, soils, climate, economic minerals, original vegetation, and the human geography of Virginia, emphasizing settlement and population, agriculture, industries, and transportation. First and second semesters; 3 periods a week; 3 credits. Instructor: Mr. Lane.

Geography 354. Weather, Climate, and Man. An elementary background of various weather phenomena and climatic patterns. Particular emphasis is given to the effects of weather and climate upon man and his activities. Alternate years. Offered first semester 1970-71; 3 periods a week; 3 credits. Instructor: Mr. Lane.

Geography 356. Conservation of Natural Resources. Survey of resource problems and related conservation techniques in the United States. Particular emphasis is placed upon the resource conservation problems of the Southeastern States. Alternate years. Offered second semester 1970-71; 3 periods a week; 3 credits. Instructor: Mr. Mortimer.

Geography 401. Geography of Southeast Asia. Regional analysis of the physical geography and problems in the economic and political geography of Southeast Asia. Emphasis on China, Japan, and India. Alternate years. Offered first semester 1970-71; 3 periods a week; 3 credits. Instructor: Mr. Rubley.

Geography 402. Geography of South America. Regional analysis of the geography of South America, including treatment of physical, cultural, and economic characteristics of the several regions within the South American nations. Offered first semester 1969-70; 3 periods a week; 3 credits. Instructor: Mr. Mortimer.

Geography 403. Geography of Europe and the Mediterranean. Regional analysis of peninsula, western and central Europe and the Mediterranean Basin. Alternate years. Offered second semester 1970-71; 3 periods a week; 3 credits. Instructor: Mr. Mortimer.

Geography 404. Geography of Anglo-America. Regional analysis of human geography of the United States, Canada, and Alaska, emphasizing the physical and economic factors affecting the utilization of the several regions. Alternate years. Offered second semester 1971-72; 3 periods a week; 3 credits. Instructor: Mr. Mortimer.

Geography 405. Regional Geography of Modern Africa. A regional analysis of the geographical factors influencing the culture and economies of the African Continent. Special emphasis will be placed on the present state of economic development and potentialities for future development. Offered first semester 1969-70; three periods a week; 3 credits. Instructor: Mr. Rubley.

Geography 444. Political Geography. Geographic factors in major nations of the world and how they affect international relations, with analysis of current strategic positions of the U. S. and U.S.S.R. Second semester 1970-71; 3 periods a week; 3 credits. Instructor: Mr. Mortimer.

Geography 445. Geographic Influences in American History. This course deals with the importance of natural environment in the exploration, colonization, and expansion of trade and settlement; the distribution and development of cities, industries, and transportation systems; and the growth of the United States to a continental world power. Offered first semester 1970-71; 3 periods a week; 3 credits. Instructor: Mr. Mortimer.

Geography 450. Geography of Contemporary Problem Areas. A physical, economic, historical, and cultural analysis of selected regions and nations in the news. A background for understanding present day conditions, and the social

significance of the events occurring in these areas. Second semester; 3 periods a week; 3 credits. Instructor: Mr. Rubley.

Geography 453. Geographical Appraisal of the Soviet Union. An evaluation of people, land, climate, resources, and space as they bear on economic developments and political prospects of the Soviet Union. First semester 1969-70; 3 periods a week; 3 credits. Instructor: Mr. Rubley.

Geography 454. Man's Role in Changing the Face of the Earth. A review of the diverse ways cultures have transformed the natural landscapes of the world. Comparative studies of the land use by primitive and technologically advanced peoples. Offered on demand; 3 periods a week; 3 credits. Instructor: Mr. Lane.

Geography 455. The South: Landscapes and Folk Culture. Investigation of changes in the natural landscapes wrought by man. Elements of material culture that give character to areas will be considered. Alternate years. Offered first semester 1970-71; 3 periods a week; 3 credits. Instructor: Mr. Lane.

Geography 470, 471. Geography Seminar. Offered on demand; 3 periods a week; 3 credits. Instructor: Staff.

Government

Government 201. Introduction to Political Science. An introductory study of fundamental political principles and institutions. First and second semesters; 3 periods a week; 3 credits. Instructor: Mr. Ra.

Government 241. Parties, Politics and Pressure Groups in the United States. The nature and evolution of political parties; party organizations; campaign techniques, suffrage, and elections. Offered second semester 1970-71; 3 periods a week; 3 credits. Instructor: Mr. Scolnick.

Government 242. Modern Ideologies. The study of such major influences on modern society as fascism, communism, nationalism, and liberal democratic thought. Offered first semester 1969-70; 3 periods a week; 3 credits. Instructor: Mr. Scolnick.

Government 335-336. Federal, State and Local Government. First and second semesters; 3 periods a week; 3 credits each semester. Instructor: Mr. Scolnick.

Government 337. Political Thought to the Nineteenth Century. A study of the major western thinkers from classical Greece to Rousseau. Offered first semester 1969-70; 3 periods a week; 3 credits. Instructor: Mr. Ra.

Government 338. Contemporary Political Theory. Political Theory in the Nineteenth and Twentieth centuries with some attention to American political thought. Offered second semester 1969-70; 3 periods a week; 3 credits. Instructor: Mr. Ra.

Government 346. American Political Theory. A critical examination of the thought which has conditioned the political life and institutions of the United States. Second semester 1969-70; 3 periods a week; 3 credits. Instructor: Mr. Scolnick.

Government 354. Law and Society. The course is designed to give a broad and philosophical understanding of the general law essential to a person living in our environment and to acquaint the student with the processes by which law is applied to resolve human conflicts in organized society. Emphasis is placed on issues and trends in contemporary law. First semester; 3 periods a week; 3 credits. Instructor: Mrs. Taliaferro.

Government 435, 436. Comparative Governments and Politics. The political system of England, France, Russia, and other selected countries: a survey of

constitutional development, organization, and practices. First and second semesters; 3 periods a week; 3 credits. Instructor: Mr. Ra.

Government 437, 438. Asian Governments and Politics. 3 periods a week; 3 credits each semester. Instructor: Mr. Ra.

Government 445. Introduction to International Politics. The geographic, demographic, economic, ideological, and other factors conditioning the policies of states and the methods and institutions of conflict and of adjustment among states, including the functions of power, diplomacy, international law and organization. First semester; 3 periods a week; 3 credits. Instructor: Mr. Scolnick.

Government 446. Foreign Policies of the Great Powers. The foreign policies of the United States, Russia, France, England, Communist China, Japan, and Germany, as well as selected smaller powers. Second semester; 3 periods a week; 3 credits. Instructor: Mr. Scolnick.

Government 447. Public Law and Jurisprudence. An examination of the principal legal systems of the world; an introduction to legal philosophy; major characteristics of American Constitutional law. Offered on demand. 3 periods a week; 3 credits. Instructor: Mr. Scolnick.

Government 460, 461, 462. Government Seminar. Offered on demand; 1 period a week; 1 credit. Open to juniors and seniors. Instructor: Mr. Scolnick.

Sociology

Sociology 221. Introductory Sociology. The study of principles and comparisons in society and culture as these relate to social groups and institutions. First and second semesters; 3 periods a week; 3 credits. Instructors: Mrs. Cover, Mr. McCrimmon.

Sociology 222. Sociology of Child Development. Emphasis in this course is upon the social situations in which children live and grow from infancy to maturity. Second semester; 3 periods a week; 3 credits. Instructor: Mrs. Cover.

Sociology 331. Social Psychology. Open to Juniors and Seniors only. Prerequisite: six hours of sociology and six hours of psychology. First semester 1969-70; 3 credits. Instructor: Staff.

Sociology 332. Race and Cultural Minorities. Open to Juniors and Seniors only. Second semester; 3 periods a week; 3 credits. Offered on demand.

Sociology 335. Juvenile Delinquency. Open to Juniors and Seniors only. The nature of delinquent behavior. Social determinants of delinquency. Methods of detention, probation and parole, court administrations. Alternate years. Offered first and second semesters 1970-71; 3 periods a week; 3 credits. Instructor: Mrs. Cover.

Sociology 441. Marriage and the Family. Open to Juniors and Seniors only. Offered each semester; 3 periods a week; 3 credits. Instructor: Mrs. Cover.

Sociology 442. Introduction to Social Service. Prerequisite: six hours of sociology. This course is required of sociology majors and is open to other seniors who are considering social work as a career. First semester; 3 periods a week; 3 credits. Instructor: Mrs. Cover.

Sociology 443. The Community. Open to Juniors and Seniors only. Prerequisite: six hours of sociology. Enrollment is limited to sociology and social science majors. First semester 1969-70; 3 credits. Alternate years. Instructor: Mr. McCrimmon.

Sociology 444. Contemporary Social Problems. Prerequisite: Sociology 221. Second semester; 3 periods a week; 3 credits. Instructor: Mrs. Cover.

Sociology 445. Social Theory. Prerequisite: six hours of sociology. This course is designed to review historical growth and development of social thought, types and nature of social theories, and the influence of social conditions on the development of theories of society. Alternate years, 1970-71; 3 periods a week; 3 credits. Instructor: Mr. McCrimmon.

Sociology 460, 461, 462. Sociology Seminar. Offered on demand; 1 period a week; 1 credit. Instructor: Staff.

Anthropology

Anthropology 301, 302. Introductory Anthropology. A survey of the biological basis of human society and culture as revealed in cultures around the world. First and second semesters; 3 periods a week; 3 credits each semester. Instructor: Mr. McCrimmon.

Graduate Offerings in History

The Department of History and Social Sciences offers a major in history leading to the Master of Arts degree in Education. Majors may choose one of two plans of study, each totaling 30 semester hours.

Plan I. With thesis: American History, six hours; European History, three hours (or European History, six hours and American History, three hours); six hours of electives, three of which may be in a field other than History; Education 571, Education 681, and Psychology 622.

Plan II. Without thesis: American History, nine hours; European History, six hours (or European History, nine hours and American History, six hours); six hours of electives, three of which may be in a field other than History; Education 571, Education 681, and Psychology 622.

For Graduates and Advanced Undergraduates

History 535. Constitutional History of the United States. 3 credits. Instructor: Staff.

History 536. Seminar in Virginia History. 3 credits. Instructor: Staff.

History 541. French Revolution and Napoleon. 3 credits. Instructor: Staff.

History 543. The First British Empire. 3 credits. Instructor: Staff.

History 544. Seminar in Soviet History. 3 credits. Instructor: Staff.

History 561. The American Colonies. 3 credits. Instructor: Staff.

History 562. The Age of Jefferson. 3 credits. Instructor: Staff.

History 563. The Age of Jackson. 3 credits. Instructor: Staff.

History 564. Civil War and Reconstruction. 3 credits. Instructor: Staff.

History 565. Modern America. 3 credits. Instructor: Staff.

History 590, 591. History Seminar. 3 credits each semester. Instructors: Staff.

For Graduates Only

History 600. Thesis Research. 6 credits.

History 631. The German Empire. 3 credits. Instructor: Staff.

History 632. Germany Since 1918. 3 credits. Instructor: Staff.

Graduate Offerings in Geography

Geography 543. Geography in the Twentieth Century. 3 credits. Instructor: Staff.

Geography 544. Geography in World Society. 3 credits. Instructor: Staff.

Geography 545. Seminar in the Nature, Scope, and Tools of Geography. 3 credits. Instructor: Staff.

Geography 570, 571. Geography Seminar. 3 credits each semester. Instructor: Staff.

Geography 601. Research in Regional Geography. 3 credits. Instructor: Staff.

DEPARTMENT OF HOME ECONOMICS

Nell H. Griffin, *Chairman*

Miss Bernard, Mrs. Gee

The Department of Home Economics offers students an opportunity to prepare for teaching home economics in the public schools and to prepare for positions as home economists in business. Social emphasis is placed upon the development of the student in the areas of home and family living in all home economics courses. Students meeting the requirements for a Bachelor of Science degree in home economics are qualified to teach in vocational programs under the requirements of the Federal Vocational Education Acts.

A major in home economics requires Chemistry and Biology, Art 240, Economics 202, Sociology 441, 45 semester hours in home economics including the following: Home Economics 102, 121, 127, 128, 133, 134, 322, 331, 334, 345, 347, 348, 441 and 443. To qualify for teaching Vocational Home Economics, requirements include Home Economics 336 and 431.

Home Economics 102. Home Equipment. The selection, operation and care of home equipment. Second semester; 1 single and two double periods a week; 3 credits. Instructor: Mrs. Griffin.

Home Economics 121. Family Development. The continuing development of interpersonal relationships of family members throughout the family life cycle. 3 periods a week; 3 credits. Instructor: Mrs. Griffin.

Home Economics 127, 128. Textiles and Clothing. A study of fibers and their relation and application to use in the home. Fundamental principles in selection and construction of family clothing; principles of fitting. Development of standards and techniques. 1 single and 2 double periods per week; 3 credits each semester. Instructor: Miss Bernard.

Home Economics 132. Nutrition and Food Preparation (Open to pre-nursing students only). A study of the nutritive values of foods and methods of conserving these values. 1 single and 2 double periods a week; 3 credits. Instructor: Mrs. Gee.

Home Economics 133, 134. Foods and Nutrition. Food preparation based upon principles of nutrition and applicable to family meals. Nutrition study and practice in selection, storage, preparation, and service of foods. 1 single and 2 double periods a week; 3 credits each semester. Instructor: Mrs. Gee.

Home Economics 300, 301. New Trends in Homemaking: Foods, Clothing. Home Economics 300: Furnishing the new kitchen, preparation of family meals. Home Economics 301: Selection and care of family clothing and home furnishings, construction of simple garments. (Open to student not majoring in Home Economics.) 1 single and 2 double periods a week; 3 credits each semester. Instructors: Mrs. Gee, Miss Bernard.

- Home Economics 322. Advanced Clothing.* Advanced work in fabrics, pattern adjustments, fittings, construction, remodeling and renovation of family clothing. Prerequisite: Home Economics 128. One single and 2 double periods a week; 3 credits. Instructor: Miss Bernard.
- Home Economics 323. Fashion Fundamentals.* A study of the fashion world including designing and designers, preparation for designing, and fashion cycles. Prerequisite: Home Economics 128. 3 periods a week; 3 credits. Instructor: Miss Bernard.
- Home Economics 331. Management of the Home.* Application of effective management processes to decision-making, personal and family values, and the specific resources of families. 2 single periods a week; 2 credits. Instructor: Mrs. Gee.
- Home Economics 334. Child Development.* A study of the role of parents and other family members in providing an adequate climate for a child's physical, social and emotional development. Observation of infants and young children is required. 3 periods a week; 3 credits. Instructor: Mrs. Griffin.
- Home Economics 336. Teaching of Vocational Home Economics.* The organization of teaching materials, principles of teaching and evaluation procedures for vocational home economics programs in secondary schools. 3 periods a week; 3 credits. Instructor: Mrs. Griffin.
- Home Economics 344. Nutrition in Elementary Schools.* Presentation of nutrition applicable to establishing good food habits in elementary school children. 3 periods a week; 3 credits. Instructor: Mrs. Gee.
- Home Economics 345. Advanced Nutrition.* Fundamental principles and current findings in nutrition with emphasis on food practices and the teaching of valid facts. Prerequisite: Home Economics 134. 1 single and 2 double periods a week; 3 credits. Instructor: Mrs. Gee.
- Home Economics 347. Housing.* A study of housing standards; aesthetic and economic factors influencing the planning of housing for the family. 1 single and 2 double periods a week; 3 credits. Instructor: Miss Bernard.
- Home Economics 348. Home Furnishings.* The aesthetic and economic factors influencing the selection of furnishings for the home. 1 single and 2 double periods a week; 3 credits. Instructor: Mrs. Gee.
- Home Economics 424. Tailoring.* Tailoring techniques as applied to construction of suits or coats. Prerequisite: Home Economics 322. 1 single and 2 double periods a week; 3 credits. Instructor: Miss Bernard.
- Home Economics 431. Special Problems in Home Economics Education.* The responsibilities and activities of the home economics teacher in the total school and community program. 3 periods a week; 3 credits. Instructor: Mrs. Griffin.
- Home Economics 441. Home Management Residence.* Senior home economics students are required to live in the home management house approximately one-half semester. Directed experiences in family living and home management. Prerequisites: Home Economics 331 and 345; 4 credits. Instructor: Mrs. Gee.
- Home Economics 443. Family Finance.* A study of the needs and desires of the consumer and the use of family income. 3 periods a week; 3 credits. Instructor: Miss Bernard.
- Home Economics 450. Experimental Cookery.* Experimentation in factors affecting food preparation. Comparative studies of published experimental data. Prerequisite: Home Economics 134; 1 3-hour and 2 single periods a week; 3 credits. Instructor: Mrs. Gee.

Home Economics 452. Demonstration Techniques. Study of techniques used in commercial demonstrations. Practice in radio, TV, and audience presentations of home economics materials. Prerequisite: Home Economics 134; 1 single and 2 double periods a week; 3 credits. Instructor: Mrs. Gee.

GRADUATE OFFERING IN HOME ECONOMICS

The following courses are offered in Home Economics for individuals who wish to become more proficient in certain areas of study, to keep abreast of current developments in the field, or to meet or renew certification requirements.

For Graduates and Advanced Undergraduates

Home Economics 501. Home Economics in the Elementary School. A study of the various aspects of home and family life included in the program for elementary schools. Emphasis placed on family relations, housing, nutrition, appearance, health, and clothing needs as related to the child. Prerequisite: 3 semester hours in home economics; 3 credits. Instructor: Mrs. Griffin.

Home Economics 502. Management in Family Living. Management principles involving the analyzing and solving of managerial responsibilities in family living. 3 credits. Instructor: Mrs. Griffin.

Home Economics 503. The Modern Family. A study of modern family life. Emphasis is placed on the development stages in the life cycle of families. 3 credits. Instructor: Mrs. Griffin.

Home Economics 505. Program Planning for Home Economics Education. Planning the home economics curriculum to meet the changing conditions of present day family living; adjusting programs of work to various community groups. 3 credits. Instructor: Mrs. Griffin.

Home Economics 507. Advanced Tailoring. A comparison of custom tailoring and trade methods used in making suits, coats and costumes. Construction of tailored garments. Permission of instructor required. 3 credits. Instructor: Miss Bernard.

DEPARTMENT OF MATHEMATICS

Blanche C. Badger, *Chairman*

Miss Allen, Mrs. Bollinger, *Mr. Gussett, Miss Holladay, Mrs. Magnifico,
Mr. Noone, Mrs. Parrish, Mr. Webb, Mr. Wu

The Department of Mathematics offers courses designed for (1) those students who plan to teach in the elementary and secondary schools of the State and (2) those students who plan to complete a curriculum without meeting the certification requirements for teaching.

A major in mathematics requires a minimum of 31 semester hours which includes the following courses: Mathematics 235, 236, 261, 262, 342, 343, 361, 460, and 471. It is recommended that all majors elect Mathematics 461, 472, and 485, and those who plan to teach in high school are required to take Mathematics 451. A student with sufficient

*Leave of Absence, 1968-69.

preparation in the secondary school may take a qualifying examination in mathematics administered by the Mathematics Department during the orientation week. Results of the examination may enable a freshman to begin her mathematics study with analytic geometry and the calculus. Other freshmen should take Mathematics 161, 162 to prepare for a major in mathematics.

One and one-half units of high school credits in algebra and one unit in geometry are prerequisites for a major in mathematics in any curriculum.

Students majoring in mathematics are urged to elect general physics and other courses lending themselves to mathematical interpretations.

Mathematics 161, 162 or Mathematics 111-112 meet the six-hour general education requirement in mathematics for all curricula except that one preparing teachers for the elementary school (Requirement: Mathematics 123, 124, and 323). Mathematics and science majors must take Mathematics 161, 162, except for those students who begin their mathematics with Mathematics 261, 262. Mathematics 111-112 does not serve as a prerequisite for Mathematics 261- 262.

Credit will not be given for both Mathematics 111-112 and 161, 162.

Mathematics 111-112. Introduction to Mathematics. This course is designed to give the meaning and method of mathematics. Emphasis will be placed upon understanding rather than upon memorizing mathematical facts. The course is recommended for the non-mathematically oriented student and will not serve as a prerequisite to Mathematics 261, 262. First and second semesters; 3 periods a week; 3 credits each semester. Instructors: The Staff.

Mathematics 123, 124. Basic Concepts of Mathematics. First semester: basic concepts underlying contemporary arithmetic; emphasis on meaning and understandings; social uses of certain topics; analysis and solution of problems. Second semester: the subject matter of algebra from the standpoint of structure and of geometry from the intuitive point of view; simple concepts and language of sets; graphing of equations and inequalities; concepts of measurement and practical applications. First and second semesters; 3 periods a week; 3 credits each semester. Required for the B.S. degree in Elementary Education. Instructors: The Staff.

Mathematics 161, 162. Fundamentals of College Mathematics. A unified treatment of the basic ideas of contemporary algebra, trigonometry, and analytics. The aim of this course is to show the nature of mathematics as a logical system. The material is fundamental to any student's training whether he wishes to continue in mathematics, the natural sciences, and engineering, or whether his interests lie in the social sciences or economics. First and second semesters; 3 periods a week; 3 credits each semester. Instructors: The Staff.

Mathematics 204. Computer Science. This is an introductory course, in computer science including machine language and techniques of programming in the Fortran language with applications. Prerequisite: Mathematics 161, 162. Second semester; 3 credits.

Mathematics 235, 236. Advanced Geometry. Concepts of elementary geometry from a mature viewpoint. Emphasis is placed on contemporary ideas and

language. Mathematical logic is stressed including consistency, independence, and categoricity of postulational systems. Topics from non-Euclidean geometry are included. The relation of geometry to the algebra of the real number system is emphasized. First and second semesters; 3 periods a week; 3 credits each semester. Instructors: Mrs. Parrish, Mr. Wu.

Mathematics 261, 262. The Differential and Integral Calculus. Prerequisite: Mathematics 161, 162 or the equivalent. First and second semesters; 5 periods a week; 5 credits each semester. Instructors: Miss Allen, Mr. Noone.

Mathematics 323. Mathematics for Teachers of the Elementary School. A continuation of the subject matter of Mathematics 123 and 124 viewed in the light of the content, materials and procedures recommended by nationally recognized groups to improve the mathematics curriculum of the elementary school. Offered each semester; 3 periods a week; 3 credits. Required for the B.S. degree in Elementary Education. Instructors: The Staff.

Mathematics 342, 343. Introduction to Modern Algebra. First semester: sets and mappings, integers, general algebraic systems, groups, rings, and fields. Second semester: linear algebra. Prerequisite: Mathematics 262. First and second semesters; 3 periods a week; 3 credits each semester. Instructors: Mr. Webb, Mr. Noone.

Mathematics 361. Calculus III. Advanced topics in calculus not considered in Mathematics 261, 262. Prerequisite: Mathematics 261, 262. First semester; 3 periods a week; 3 credits. Instructor: Miss Allen.

Mathematics 442. Topics in Algebra. Prerequisite: Mathematics 342, 343. Offered on demand; 3 periods a week; 3 credits.

Mathematics 451. The Teaching of High School Mathematics. Offered first semester 1967-68; 3 periods a week; 3 credits. Instructor: Mrs. Magnifico.

Mathematics 460. Differential Equations. Primarily a study of ordinary differential equations of the first and second order with applications to elementary work in mechanics and physics. Second semester; 3 periods a week; 3 credits. Instructor: Mr. Webb.

Mathematics 461. Advanced Calculus. Infinite series, power series, theoretical approach to the study of limits and continuity, line and surface integrals, general theorems of partial differentiation, and the theory of multiple integrals. Prerequisites: Mathematics 361 and preferably Mathematics 460. Offered on demand. 3 periods; 3 credits. Instructor: Mr. Noone.

Mathematics 471, 472. Introduction to Probability and Statistics. Prerequisite: Mathematics 261-262. Mathematics 471 offered second semester; Mathematics 472 offered on demand. 3 periods a week; 3 credits each semester. Instructor: Mr. Wu.

Mathematics 485. Introduction to Analysis. Prerequisite: Consent of the instructor. Offered second semester; 3 periods a week; 3 credits. Instructor: Miss Allen.

Mathematics 523. Mathematics for Teachers in the Elementary School. This course is designed to update the elementary teacher in modern concepts of mathematics and to give three hours credit toward a Master's degree in elementary education. 3 credits. Instructor: Mrs. Magnifico.

DEPARTMENT OF MUSIC

John W. Molnar, *Chairman*Mr. Blasch, Miss Boehm, Miss Clark, Mr. Harbaum, Mr. Hesselink,
Mr. McCombs, Miss Myers

The aims of the Department of Music are to emphasize the cultural, intellectual, emotional, and social values of music; to broaden the concept of music in life and in the schools; to prepare elementary teachers to teach music in their respective grades; to prepare supervisors and special teachers of vocal and instrumental music in elementary and high schools; to prepare church choir directors; to help students attain an artistic proficiency on their instruments and in the use of the singing voice; and to develop an understanding and an appreciation of the best music through participation in instrumental and vocal ensembles and through directed listening to the world's great music literature.

The required courses for the Bachelor of Music Education degree are Music 211-212 and Music 311-312; Music 321, 322; Music 323, 324 or Music 335, 336; Music 345, 346; Music 465, 466; twenty-six hours in applied music distributed as follows: 16 hours in concentration, four in proficiency, and six in elective and ensemble; two hours in music literature in the concentration area.

The required courses for a major in the Bachelor of Arts program are Music 211-212 and Music 311-312; twenty hours in applied music distributed as follows: sixteen in concentration and four in elective areas, plus a minimum of six additional hours approved by the department chairman.

If the student chooses to do part or all of her General Education requirement in the six-hour area of Humanities designated Art, Music, or Dramatic Arts, in music, the first three hours must be in a classroom subject listed under Appreciation, History, or Literature, or Music 237.

The amount of credit in applied music that may be transferred from other institutions will be determined through evaluation of the student's ability by the Department of Music.

Music 115. Basic Musicianship. An introductory course in music reading through singing and the use of melodic instruments, for the non-music major. Offered first semester; 2 periods a week; 1 credit. Instructor: Miss Boehm.

Music 211-212. Structure of Music. An integrated study of music through the keyboard; written and creative work, ear training, form and analysis, keyboard harmony, part writing. First and second semesters; 5 periods a week; 4 credits. Instructors: Miss Clark, Mr. Hesselink.

Music 311-312. Structure of Music. A continuation of Music 211-212, which is prerequisite. Altered chords; modulation; chromatic harmony; elementary

counterpoint. First and second semesters; 5 periods a week; 4 credits each semester. Instructors: Miss Clark, Mr. Hesselink.

Music 411-412. Structure of Music. Strict and free counterpoint; motive development; invertible counterpoint. Prerequisite: Music 311-312. Offered on demand. 2 periods a week; 2 credits each semester. Instructors: The Staff.

Music 345, 346. Conducting. Technique of the baton; score reading; rehearsal procedures. First and second semesters; 2 periods a week; 1 credit each semester. Instructor: Mr. Molnar.

Appreciation, History, and Literature

Music 123, 124. Guided Listening. Compositions selected for their relationship to literature. First and second semesters; 2 periods a week; 1 credit each semester. Instructor: Miss Boehm.

Music 165. The Appreciation of Music. Study for the understanding of the forms, styles, and periods of the music usually heard in performance. Offered both semesters; 3 periods a week; 3 credits. Instructors: The Staff.

Music 168, 169. Music in Western Culture. Survey of the major periods of music with examples of the compositions of principal composers in each period; the relation of music to other aspects of history and the culture of western civilization. First and second semesters; 3 periods a week; 3 credits each semester. Instructors: Mr. Harbaum, Mr. Molnar.

Music 321, 322. Survey of Music Literature. A historical survey of music literature. Directed listening with the use of scores; analysis of significant compositions from the major periods of musical development. First and second semesters; 3 periods a week; 3 credits each semester. Instructor: Mr. Molnar.

Music 353, 354. Concert Hour. Directed listening to selected masterpieces of music; biographical study of the composers. First and second semesters; 2 periods a week; 2 credits each semester. Instructor: Mr. Harbaum.

Music 461. Choral Literature. A study of sacred and secular choral literature of all periods. Offered on demand; 2 periods a week; 2 credits.

Music 462. Organ Literature. A study of the literature of the organ through performance and listening. Required of organ concentrators. Alternate years; offered second semester; 2 periods a week; 2 credits. Instructor: Mr. Hesselink.

Music 463. Piano Literature. A study of the literature of the pianoforte through performance and listening. Required of piano concentrators. Alternate years; offered second semester; 2 periods a week; 2 credits. Instructor: Mr. Blasch.

Music 464. Voice Literature and Pedagogy. A study of the literature and the teaching of voice; principles of voice teaching and laboratory work with beginning voice students. Required of voice concentrators. Offered second semester; 2 periods a week; 2 credits. Instructor: Mr. McCombs.

Music 465, 466. History of Music. The history of music of western civilization, with examples. Open to non-music majors only with permission of the instructor. First and second semesters; 3 periods a week; 3 credits each semester. Instructor: Mr. Harbaum.

Music Education

Music 237. Music for Elementary Teachers. Music for students preparing to teach in the elementary grades. Piano, including technique, chording, rhythm and accompaniment patterns; tonal and rhythmic reading; listening. Offered each semester; 3 periods a week; 3 credits. Instructors: Miss Clark, Miss Myers.

Music 323. Music Teaching and Supervision in the Elementary School. Music activities in the five-fold program from early childhood through the middle and upper elementary school levels; materials and procedures. Open only to music majors and others with the consent of the department chairman. First semester; 3 periods a week; 3 credits. Instructor: Miss Boehm.

Music 324. Music in the School, Secondary Level. Philosophy, procedure, materials; emphasis on the musical activities of the five-fold program; problems of the adolescent voice and interest; adaption of the program to the community. Open only to music education majors and others with the consent of the department chairman. Second semester; 2 periods a week; 2 credits. Instructor: Miss Boehm.

Music 329. Music in the Elementary School. Kindergarten through upper grades. Study of the goals and philosophy of education through music in the elementary school; techniques and approaches implementing the experiences needed in a developmental program of classroom music; practice in planning and implementing the program. Prerequisite: Music 237: Both semesters; 3 periods a week; 3 credits. Instructor: Miss Boehm.

Music 335, 336. Instrumental Music in the Schools. Study of all the band and orchestral instruments; embouchure and technical development; rehearsal techniques, fundamentals of marching; materials. First and second semesters; 3 periods a week; 3 credits each semester. Instructor: Mr. Harbaum.

Music 445. Teaching Piano. Techniques and materials of teaching piano in groups; observation and teaching of demonstration groups. Second semester; 2 periods a week; 2 credits. Instructor: Miss Clark.

Music 481. Operetta Production. The selection, casting, rehearsal, staging, and production of the school operetta. Offered on demand. Two periods a week; 2 credits. Instructor: Mr. Molnar.

Applied Music

Opportunity is offered all students of the College for cultural development through the study of the piano, harpsichord, organ, voice, or orchestral or band instruments, either through private instruction or in small classes. Students may enter at any stage of advancement. Students majoring in music must pass a proficiency test in piano and voice.

Courses on the concentration level will be recorded as follows: Music 177 (Voice Concentration) or Music 177 (Piano Concentration). The name of the instrument, or voice, will be used in the blanks in the course descriptions.

Music 177, 178. (_____ Concentration.) One-half hour individual lesson, one hour group instruction (or equivalent) plus related studio classes and recitals. 2 credits each semester.

Music 277, 278. (_____ Concentration.) One-half hour individual lesson, one hour group instruction (or equivalent) plus related studio classes and recitals. 2 credits each semester.

Music 377, 378. (_____ Concentration.) One-half hour individual lesson, one hour group instruction (or equivalent) plus related studio classes and recitals. 2 credits each semester.

Music 477, 478. (_____ *Concentration.*) One-half hour individual lesson, one hour group instruction (or equivalent) plus related studio classes and recitals. 2 credits each semester.

Elective level applied music courses are designed for (1) those music majors who must attain proficiency in a performing medium other than their concentration or who wish to broaden their music performance ability in other areas, and (2) for those students not majoring in music who wish to study applied music.

The courses on the elective level will be recorded in the same manner as those on the concentration level.

Music 171, 172. (_____ *Elective.*) One-half hour individual or one hour small class instruction. 1 credit each semester.

Music 271, 272. (_____ *Elective.*) One-half hour individual or one hour small class instruction. 1 credit each semester.

Music 371, 372. (_____ *Elective.*) One-half hour individual or one hour small class instruction. 1 credit each semester.

Music 471, 472. (_____ *Elective.*) One-half hour individual or one hour small class instruction. 1 credit each semester.

Ensembles

Ensembles are open to all students who sing or play an orchestra or band instrument. The following require an audition with the conductor: Concert Choir, Madrigal Singers, and instrumental ensembles. The Chorus does not require an audition. Formal programs are presented on and off the campus.

Credit and grades in ensembles are recorded in the following manner: Music 234, 244 (Concert Choir) or Music 234, 244 (Madrigal Singers).

Ensembles may be participated in without credit.

Music 140. (*Ensemble.*) Two periods a week; no credit.

Music 143, 144. (*Ensemble.*) Two periods a week; 1 credit each semester.

Music 240. (*Ensemble.*) Two periods a week; no credit.

Music 243, 244. (*Ensemble.*) Two periods a week; 1 credit each semester.

Music 340. (*Ensemble.*) Two periods a week; no credit.

Music 343, 344. (*Ensemble.*) Two periods a week; 1 credit each semester.

Music 440. (*Ensemble.*) Two periods a week; no credit.

Music 443, 444. (*Ensemble.*) Two periods a week; 1 credit each semester.

GRADUATE OFFERINGS IN MUSIC

For Graduates and Advanced Undergraduates

Music 521. Symphonic Literature.

Music 531. Music for Children.

Music 532. Music in the High School.

DEPARTMENT OF NATURAL SCIENCES

Marvin W. Scott, *Acting Chairman*

Mr. Austin, Mrs. Bass, Mr. Batts, Mr. Breil, Mr. Brumfield, Mr. Buteau, Mr. Curley, *Mr. Fawcett, Miss Foy, Mr. Hardy, Mr. Harvill, Mr. Heinemann, Miss Holman, Mrs. Jackson, Mr. Lane, Mr. Law, Mr. Lehman, *Mr. McGinley, Miss Wells

The Department of Natural Sciences offers courses leading to a major in biology, chemistry, general science, earth science, and physics. The introductory courses in biology, chemistry, geology, physics, and physical science fulfill the science requirements for general education. The requirements for pre-professional preparation for the medical sciences are included in the course offerings.

There is wide variation in the requirements for admission to different graduate schools and in different departments in the same institution. Students who plan to enter graduate schools should consult with the appropriate staff members for help in planning a program which will satisfy the admission requirements of the graduate school they plan to attend.

The requirements for the major in each of the disciplines are presented under the appropriate headings. Students should consult the current schedule for courses offered in alternate years and for those offered on sufficient demand.

Biology

Twenty-two hours in addition to Biology 101, 102, and 103 are required for a major. The selection of the advanced courses should be made so as to provide a broad background in the biological sciences. The program should include courses in each of the following areas: anatomy and taxonomy; genetics and evolution; physiology; ecology. A biology major should consult a member of the biology staff to plan a balanced program of advanced courses. Chemistry 101; Physics 101; Mathematics 161, 162 or its equivalent are also required, and Chemistry 205, 206 highly recommended.

Biology 101. Biological Concepts. An inquiry into the nature and common features of life. This course fulfills the general education requirement. First and second semesters; 3 single and 1 double period a week; 4 credits. The Staff.

Biology 102. General Botany. The biology, life cycles, and economics of representatives of the plant kingdom. First and second semesters. 3 single and 1 double period a week; 4 credits. The Staff.

Biology 103. General Zoology. The biology, life histories, and economics of representatives of the animal kingdom. First and second semesters. 3 single and 1 double period a week; 4 credits. The Staff.

Biology 201. Plant Anatomy. First semester. The development and structure of tissues and organs in plants. 2 single and 2 double periods a week; 4 credits. Mr. Breil.

*Leave of absence 1968-69.

- Biology 202. Animal Morphology.* Second semester. The comparative development and structure of tissues, organs, and organ systems in representative chordate groups. 2 single and 2 double periods a week; 4 credits.
- Biology 203. Animal Taxonomy.* First semester. Collection, identification, and classification of animals. 2 single and 2 double periods a week; 4 credits. The Staff.
- Biology 204. Plant Taxonomy.* Second semester. Collection, identification, and classification of plants. 2 single and 2 double periods a week; 4 credits. Mr. Harvill.
- Biology 205. Heredity.* First semester. A study of the principles of heredity and variation for non-science majors. No prerequisite. This course does not satisfy the requirements for the major in biology. 2 periods a week; 2 credits. Mr. Brumfield.
- Biology 206-207. Human Anatomy and Physiology.* First and second semesters. Basic physiological principles and functional anatomy of the respiratory, circulatory, digestive, excretory, and reproductive systems (Biology 206); and of the integumentary skeletal, muscular, nervous, and endocrine systems (Biology 207). 3 single and 1 double period a week; 4 credits each semester. Miss Holman, Miss Wells.
- Biology 208. Bryophytes.* A study of the morphology, ecology, and taxonomy of mosses and liverworts with emphasis on field work. One four-hour period a week; 2 credits. Mr. Breil.
- Biology 300. General Ecology.* First semester. Basic relationships among and between organisms and their environment. 3 single and 1 double period a week; 4 credits. Mr. Batts.
- Biology 302. Plant Ecology.* Second semester. Relationships of plants to their environments. 3 single and 1 double period a week; 4 credits. Mr. Harvill.
- Biology 303. Genetics.* First semester. Genetic concepts which form a foundation for an understanding of inheritance. 3 single and 1 double period a week; 4 credits. Miss Wells.
- Biology 304. Modern Genetics.* Second semester. Modern concepts of the nature and function of genetic material. 3 single and 1 double period a week; 4 credits. Miss Wells.
- Biology 305. Plant Physiology.* First semester. Principles of cellular and tissue functions in plants. 2 single and 2 double periods a week; 4 credits. Mr. Lehman.
- Biology 306. Animal Physiology.* Second semester. Functions of animal organs and organ systems. 2 single and 2 double periods a week; 4 credits.
- Biology 307. Cytology and Cytogenetics.* First semester. Structural and functional aspects of cellular maintenance and heredity. 3 single and 1 double period a week; 4 credits. Mr. Heinemann.
- Biology 308. Field Biology.* Second semester. Collection, identification, and life histories of local flora and fauna. 1 single and 1 double period a week; 2 credits. Mr. Batts.
- Biology 309. Bacteriology.* First and second semesters. Fundamentals of microbial growth and culture. 2 single and 2 double periods a week; 4 credits. Mr. Scott.
- Biology 310. Evolution.* Second semester. A study of the basic processes of and evidences for evolution. 3 single periods a week; 3 credits. Mr. Brumfield.
- Biology 311 (Science 311). Oceanography.* An introduction to the geological, physical, chemical and biological aspects of the oceans. Offered 1969-70 and alternate years. Second semester; 3 single and 1 double period a week; 4 credits. Mr. Austin, Mr. Batts.

Biology 401 BSCS: Concepts and Methods. Second and fourth blocks. Studies to acquaint students with high school biology courses designed by the Biological Sciences Curriculum Study Committee. 5 periods a week; 3 credits. The Staff.

Biology 402. Plant Geography. Second semester. A study of the origins, migrations, and distribution of the flowering plants. 2 double periods a week; 2 credits. Mr. Harvill.

Biology 403, 404. Directed Individual Study. First and second semesters. Special problems for students capable of pursuing independent investigation under the direction of a staff member. Permission of the department chairman is prerequisite for enrollment in this course. 2 or 4 credits. The Staff.

Biology 405. Biological Seminar. First and second semesters. Selected topics in biology. May be repeated as 406, 407, etc. 1 period a week; 1 credit. The Staff.

Chemistry

The major in Chemistry requires 32 hours in chemistry. The advanced work must include courses in the areas of analytical, organic and physical chemistry. Physics 101, 102 and Mathematics 161, 162 or its equivalent are also required. Students majoring in chemistry should seek the advice of a member of the chemistry staff in planning programs of advanced courses.

Chemistry 101. Introductory Chemistry I. A study of the laws and principles of chemistry. Prerequisite to all other courses in chemistry. Offered both semesters; 3 single and 1 double period a week; 4 credits. The Staff.

Chemistry 102. Introductory Chemistry II. Continuation of Chemistry 101. Qualitative analysis will be included in the laboratory work. Second semester; 3 single and 1 double period a week; 4 credits. The Staff.

Chemistry 201, 202. Analytical Chemistry. The theory and practice of quantitative analysis by gravimetric, volumetric, and instrumental methods. First and second semesters; 2 single and 2 three-hour periods a week; 4 credits each semester. Mrs. Bass.

Chemistry 205, 206. Organic Chemistry. Fundamental principles and reactions of organic chemistry. First and second semesters; 3 single and 1 three-hour period a week; 4 credits each semester. Mr. Hardy.

Chemistry 401, 402. Physical Chemistry. Fundamental principles and problems associated with the properties of matter—its structure and interactions. Prerequisite or corequisite: Physics 101, 102; 3 single and 1 three-hour period a week; 4 credits each semester. Mr. Law.

Chemistry 420. Chemistry Seminar. Reports and discussions of topics of interest in the field of chemistry. Open to qualified students. May be repeated for credit, in which event the number will be 421, 422, etc. One period a week; 1 credit. The Staff.

Chemistry 433. Theoretical Inorganic Chemistry. A study of electronic structure and the periodic system, bonding in inorganic materials, non-aqueous solvent systems, and modern acid-base theory. Prerequisite: Permission of the instructor. 3 single periods a week; 3 credits. Mrs. Bass.

Chemistry 434. Organic Analysis. Theory and practice in analysis of organic compounds. Prerequisite: Chemistry 206. 1 single and 2 three-hour periods a week; 3 credits. Mr. Hardy.

Chemistry 435. Organic Preparations. Preparation and purification of organic compounds selected according to individual interests, with emphasis on modern techniques. Prerequisite: Chemistry 206. 1 single and 2 three-hour periods a week; 3 credits. Mr. Hardy.

- Chemistry 443. Biochemistry.* A study of the chemistry of proteins, carbohydrates, lipids, and nucleic acids in biological systems. Prerequisite: Chemistry 205 or permission of the instructor. 3 periods a week; 3 credits. Mr. Hardy.
- Chemistry 451, 452. Special Projects in Chemistry.* Students will prepare lecture demonstrations or carry out literature and laboratory research projects under individual supervision. The nature of the project will depend on the interests and needs of the student. May be repeated as 461, 462; also as 471, 472. Credits 1 or 2. The Staff.
- Chemistry 460. Radiochemistry.* Properties of radionuclides, interaction of radiations with matter, radioactivity detection and measurements, isotope techniques and analytical applications. Prerequisite: permission of the instructor. 2 single periods and 1 double period a week; 3 credits. Mr. Law.
- Chemistry 465. Instrumental Analysis.* The theoretical principles underlying selected instruments and their application to the analysis of matter. Prerequisite: Chemistry 201, 202. 2 single and 1 three-hour period a week; 3 credits. Mrs. Bass.

Physics

The Major in physics requires twenty-four semester hours of advanced courses beyond the introductory course. In addition, Mathematics 261, 262, 361, and 460 are required. Students who wish to major in physics should plan their programs of advanced courses in physics and mathematics with the advice of a member of the physics staff.

- Physics 101, 102. General Physics.* First and second semesters; 3 single and 1 double period a week; 4 credits each semester. Miss Foy.
- Physics 201, 202. University Physics.* An introduction to physics employing the calculus. Prerequisite or corequisite: Mathematics 261, 262. 3 single and 1 double period a week; 4 credits each semester. Mr. Meshejian.
- Physics 321, 322. Atomic and Nuclear Physics.* A survey of modern developments in electron, atomic, and nuclear physics. Prerequisite: Physics 101, 102. Prerequisite or corequisite: Mathematics 261, 262. 3 single and 1 three-hour period a week; 4 credits each semester. The Staff.
- Physics 324. Thermodynamics.* A study of thermal properties of matter; phenomena involved in flow of heat and performance of work. Kinetic theory and statistical mechanics are included. Prerequisite or corequisite: Mathematics 261. Offered alternate years. 3 single periods a week; 3 credits. Miss Foy.
- Physics 326. Light.* A study of the nature and behavior of light and other electromagnetic radiation. 3 single periods a week; 3 credits. Miss Foy.
- Physics 331, 332. Electricity and Magnetism.* DC and AC circuits; instruments; electrostatics; magnetic effects; introduction to Maxwell's equations. Prerequisite: Physics 101, 102 or 201, 202. Prerequisite or corequisite: Mathematics 261, 262. Offered alternate years. Three single and 1 three-hour period a week; 4 credits each semester. The Staff.
- Physics 341. Electronics.* A survey of basic electronic circuits and their use in radio, television and other applications; introduction to transistors. Prerequisite: Physics 101, 102 or 201, 202. Offered alternate years. First semester; 3 single and one 3-hour period a week; 4 credits. The Staff.
- Physics 352. Mechanics.* A mathematic study of the physical laws pertaining to matter and motion. Prerequisite: Physics 101, 102 or 201, 202. Prerequisite or corequisite: Mathematics 261, 262. Offered alternate years. Second semester; 4 single periods a week; 4 credits. Miss Foy.

Physics 461, 462, 463. *Special Projects in Physics*. Students will prepare lecture demonstrations, carry out research projects or perform experiments under individual supervision. The nature of the project will depend on the interests and needs of the student. May be repeated for credit as 471, 472, and 473; also 481, 482, and 483. Credits 1, 2 or 3 respectively. The Staff.

Science

The major in General Science requires 8 semester hours each in biology, chemistry, geology, and physics. Students should also elect 16 additional semester hours in biology or chemistry or 12 additional hours in physics to secure an endorsement in either biology, chemistry, or physics. Other requirements are: 3 semester hours in astronomy; 3 semester hours in physical geography (Meteorology and Climatology); and Mathematics 161, 162 (or its equivalent).

The major in Earth Science requires 8 semester hours in each of the following biology, chemistry, geology, and physics. Also 6 semester hours in astronomy, 6 semester hours in physical geography and 4 semester hours in oceanography are required. Mathematics 161, 162 is a requirement for the Earth Science major.

Astronomy 321, 322. *Descriptive Astronomy*. Three periods a week to include sky studies at night. 3 credits each semester. Mr. Curley, Mrs. Jackson.

Geography 251. *Physical Geography (Meteorology and Climatology)*. The study of basic weather phenomena and processes is emphasized. The varieties of climate and their origin in terms of air masses, source regions and frontal zones is treated. First semester; 3 periods a week; 3 credits. Mr. Lane.

Geography 252. *Physical Geography (Pedology, Hydrology, Plant Geography and Earth Resources)*. A study of the physical environment in which terrestrial elements are analyzed and inter-related. The natural resource base is emphasized. Second semester; 3 periods a week; 3 credits. Mr. Lane.

Geology 111. *Elements of Geology (Physical)*. First semester; 3 single and 1 double period a week; 4 credits. Mr. Lane.

Geology 112. *Elements of Geology (Historical)*. First semester; 3 single and 1 double period a week; 4 credits. Mr. Lane.

Geology 321. *Geology of Virginia*. Second semester; 3 periods a week; 3 credits. Mr. Lane.

Science 101, 102. *Physical Science*. First and second semesters. First semester: basic physics and chemistry. Second semester: meteorology, geology, and astronomy. Three single periods and 1 double period a week; 4 credits each semester. Mr. Austin, Mr. Curley, Mr. Meshejian.

Science 311. (*Biology* 311) *Oceanography*. An introduction to the geological, physical, chemical and biological aspects of the oceans. Offered 1969-70 and alternate years; second semester; 3 single and 1 double period a week; 4 credits. Mr. Austin, Mr. Batts.

Science 352. *Science for Secondary Teachers*. First semester; 3 periods a week; 3 credits. Mr. Austin.

Science 360. *Case Histories in Science*. A historical survey of the development of our modern scientific concepts. Two lectures a week; 2 credits. Offered on sufficient demand. Mr. Brumfield.

Science 362. *Science for Elementary Teachers*. Required for the B.S. degree in Elementary Education. Both semesters; 1 single and 2 double periods a week; 3 credits. Mrs. Jackson.

Science 462, 463, 464. *Special Projects in the Natural Sciences*. Students will prepare lecture demonstrations or carry out research projects under individual supervision. The nature of the project will depend on the interest and needs of the student. May be repeated for credit as 472, 473, and 474; also 482, 483, and 484. Credits 2, 3, 4 respectively. The Staff.

DEPARTMENT OF PHYSICAL AND HEALTH EDUCATION

Shirley M. O'Neil, *Chairman*

Miss Andrews, *Mrs. Bobbitt, Miss Bowman, Miss Brockenbrough,
Miss Bush, Miss Callaway, Miss Fath, Mrs. Harriss, Miss Heintz, Miss
Huffman, Mrs. Landrum, Miss Ripley, Miss Smith

The department has a two-fold purpose: first, to provide professional courses in physical and health education that will prepare students to teach Physical and Health Education in elementary and secondary schools; second, to provide opportunity for all students to engage in developmental and recreational activities.

A regulation suit is required in all activity courses. The suits are purchased through the College. See page 48. Regulation swimming suits are provided by the College and must be used for instructional and recreational swimming.

The swimming pool is open to students at certain hours for recreational purposes. Opportunities are provided for all students to participate in sports and dance activities through clubs, intramural, interclass, and intercollegiate and recreational programs.

The Required Physical Education Curriculum

All students are required to complete one semester hour of credit in health and physical education activity courses in each of four different semesters during the freshman and sophomore years. Juniors and seniors may elect courses after freshmen and sophomores have registered. The first semester of health education is taken in a prescribed program which consists of exercise, body mechanics and basic skills activities. As a part of the physical education requirement, a student must complete a course in swimming unless she passes a beginner's proficiency test before the end of the junior year or is excused from swimming by the College Physician.

It is recommended that each student select a program of activity so that she will develop a skill competency in at least one individual sport or activity and in some area of dance. A maximum of one semester hour may be taken in any one activity at the beginning level, but any number of semester hours may be taken in any one activity at the intermediate and advanced levels. Numerals after the name of the

*On leave of absence 1968-69.

activity indicate the level of proficiency: I—Beginner; II—Intermediate; III—Advanced.

**Health Education 100. Freshman Health Education.* A prescribed program for all freshman students. A general self-image course designed to meet present needs and interests of college students through exercise, body mechanics and basic skills activities. Offered both semesters; 3 periods a week; 1 credit.

Physical Education 204, 205, 206, 207, 208, 209, 210, 212. Physical Education for all second semester freshman students, sophomores, juniors, and seniors.

Semester activity courses; 3 periods a week; 1 credit.

Physical Education 204. Fencing I-II.

Physical Education 205. Gymnastics I-II.

Physical Education 206. Modern Dance I, II, III.

Physical Education 207. Tennis I-II.

Physical Education 208. Golf I-II.

Physical Education 209. Lacrosse I-II.

Physical Education 210. Swimming—Non-Swimmers, Beginner, Intermediate, Senior Life Saving, Water Safety Instructors, Synchronized, Competitive.

Physical Education 211. Seasonal activity courses; two half-semester courses; students signing up for seasonal activity classes must take one class each half-semester and are not permitted to take two half-semester courses in one half-semester. Registration for both half-semester classes must be completed during regular registration sessions at the beginning of each semester; 3 periods a week; 1 credit for both classes combined.

Archery I

Badminton I

Basketball I, II

Bowling I, II

Fencing I, II

Field Hockey

Folk and Square Dance

Golf I, II

Lacrosse I, II

Tennis I, II

Volleyball I, II

Physical Education 212. Archery I-II.

Physical Education 213. Camping Skills.

Professional Physical and Health Education Curriculum

A degree of Bachelor of Science with a major in Physical Education requires fifty-four (54) semester hours in prescribed courses. All majors in Physical and Health Education are required to take the prescribed semester hours in General Education and teacher education courses.

Students with a major in Physical Education who have not had a course in physiology and anatomy are required to take Biology 320-321. Students planning to transfer from junior colleges should endeavor to include physiology and anatomy in their program before transferring to Longwood. It is also recommended that transfer students have as many activity courses as possible before transferring.

*Students who completed Physical Education 100 in 1968-69 may not enroll in Health Education 100.

All students with a major in Physical Education are expected to participate in the intramural or intercollegiate program offered at the College.

The curriculum established for the major in physical and health education is:

General Education courses	53 semester hours
Teacher Education courses	15 semester hours
Elective courses	5 semester hours
Major courses	51 semester hours

Major courses:

Physical Education 102-103	4 credits
Physical Education 202-203, 206MDI, 206MDII 210 SLS, 150, 261	9 credits
Physical Education 302-303, 322, 338, 339, 354	15 credits
Physical Education 402, 403, 440	9 credits
Biology 321	4 credits
Health Education 301-302, 339	10 credits

**Physical Education 102-103. Basic Techniques.* Techniques of activities basic to the physical education and recreation programs: Hockey skills, Soccer, Movement, Stunts and Tumbling, Basketball skills, Gymnastics, Archery, and Tennis. Offered first and second semesters; 5 periods a week; 2 credits each semester.

**Physical Education 150. History and Principles of Physical Education.* Historical survey of the field of physical and health education; present-day trends and practices; theoretical concepts and underlying principles. First semester; 3 periods a week; 2 credits.

**Physical Education 202-203. Basic Techniques.* Techniques of activities basic to the physical education and recreation programs: Hockey techniques, Tennis, Gymnastics, Volleyball skills, Basketball mechanics and officiating, Folk and Square Dance, Field and Track, Bowling. Offered first and second semesters; 5 periods a week; 2 credits each semester.

**Physical Education 261. Physical Education in the Elementary School.* Physical Education principles and activities for the elementary school. Offered second semester; 3 periods a week; 3 credits.

**Physical Education 302-303. Basic Techniques.* Techniques of activities basic to the physical education and recreation programs: Hockey officiating, Lacrosse, Badminton, Volleyball officiating, Fencing, Folk & Square Dance, Golf, and Softball. Offered first and second semesters; 5 periods a week; 2 credits each semester.

**Physical Education 322. Dance in Education.* The place of dance (forms) in physical education with emphasis upon the Junior and Senior high school levels. Dance principles in education and procedures of teaching dance as an art form within physical education. 3 periods a week; 2 credits.

Physical Education 328. Dance as a Basic Art Form. Dance as a basic and independent art form clarifying two cultures: Oriental and Western Civilization through concepts relating to the primitive, archaic, and the medieval through historical, philosophical and contemporary forms of dance, and as an art form related to all other arts. Offered first semester; 3 periods a week; 3 credits.

*Required of all physical education majors.

Physical Education 337. Camp Counseling. Theory and practice in skills and procedures necessary for camping leadership. Second semester; 3 periods a week; 2 credits.

ties, methods of analysis, and applications of scientific principles in specific

**Physical Education 339. Kinesiology.* Scientific bases of physical education activities, methods of analysis, and applications of scientific principles in specific physical education activities. First semester; 3 periods a week; 3 credits.

**Physical Education 354. Principles and Procedures of Teaching Physical Education in Junior and Senior High Schools.* Physical education principles and activities for junior and senior high school girls. First and second semesters; 3 periods a week; 3 credits each semester.

Physical Education 355. Conduct of Extramural Physical Education Programs. Practice and theory in organization of intramural and interscholastic athletic programs including the principles and practice of coaching. Two periods a week; 2 credits.

Health and Physical Education 360. Elementary School Health and Physical Education. Health and Physical Education principles and activities for the elementary school. Required for a major in elementary education. Offered each semester; 2 single and 1 double period a week; 3 credits.

**Physical Education 402. Organization and Administration of Physical Education.* Problems and procedures in physical education, with special emphasis on the Virginia program. Second semester; 5 periods a week; 3 credits.

**Physical Education 403. Evaluation in Physical and Health Education.* Practice and theory in evaluation of performance in physical and health activities including physical fitness, skills and motor performance tests, grading procedures, body measurements, written tests, and classification of students. Offered second semester; 5 periods a week; 3 credits.

Physical Education 404. Seminar in Elementary School Physical Education. Contributions of a variety of physical education activities through the traditional and movement exploration approaches to the growth and development of the child. Prerequisite: student teaching. Three periods a week; 3 credits.

Physical Education 405. Practicum in Teaching. Supervised teaching experiences to supplement the professional teacher-training program. Credit and hours to be arranged (maximum of 3 credits).

Physical Education 428. Survey of Contemporary Dance Forms. Comparative study and analysis of the literature pertaining to classical and modern ballet, modern dance, and current theatre dance. Open to juniors and seniors. Prerequisite: Physical Education 328 or previous experience and study in ballet and/or modern dance. Second semester; 2 periods a week; 2 credits.

**Physical Education 440. Adapted, Developmental, and Corrective Physical Education.* Analysis of teaching body mechanics in a general program of physical education, study and analysis of an adapted program within the physical education program, and development of procedures for a corrective physical education program. First semester, second block; 5 periods a week; 3 credits.

Physical Education 463. Special Projects in Physical Education. Independent study and research projects for qualified students. 3 credits (may be taken as 461 or 462 for 1 or 2 credits, respectively).

Professional Health Education

**Health Education 301-302. Driver Education.* Classroom instruction and supervised experience in teaching practice driving. Prerequisite: valid Virginia

*Required of all physical education majors.

driver's license and background of driving experience. This course is required for state certification in Driver Education. First and second semesters; 2 periods a week plus additional hours in behind-the-wheel instruction; 2 credits each semester.

**Health Education 339. Safety and First Aid.* A course in general safety, accident prevention and first aid. American Red Cross certificates will be issued to qualified applicants. Second semester; 4 periods a week; 3 credits.

**Health Education 341. Personal Health.* General health course meeting present day needs and interests of college students. Required of all secondary school majors. Offered first and second semesters; 2 periods a week; 2 credits.

***Health Education 342e. Health Education Methods and Materials for Elementary Schools.* A study and survey of content, methods, techniques, sources, and materials for effective health teaching in the elementary school. Offered first and second semesters; 3 periods a week; 3 credits. Required of all elementary education majors.

Health Education 344. School Health Program in Elementary and Secondary Schools. Study of health problems of the school and community; health supervision; health inspection; agencies of the community which aid in healthful environment; aims, methods, and materials for teaching in the secondary schools. Offered first semester; 3 periods a week; 3 credits.

*Open only to students who are bound by the catalogue under which they entered to complete 6 semester hours in Health and Physical Education.

**Open only to students who have completed Physical Education 360. Students who have enrolled in Health and Physical Education 360 are not eligible to take this course.

Longwood College Alumnae Association

The object of the Longwood College Alumnae Association is to promote the interests of Longwood, to maintain among its graduates and ex-students a spirit of fellowship and service, and to help in promoting better education in Virginia. The Alumnae Association serves both the College and its former students. The Alumnae are informed of the activities and plans of the College and the College is made aware of the needs and the continuing interest and contributions of the Alumnae. The Association is a kind of clearing house through which the Alumnae and College work together to their mutual benefit.

The Alumnae Association is proud of the many active local alumnae chapters throughout Virginia, three in the state of North Carolina, one in Maryland, one in Georgia, and one in Pennsylvania. These chapters stay in close touch with the members through meetings, fund-raising projects, and social events. One of their objectives is to interest students in attending Longwood, and many chapters present scholarships to deserving high school seniors.

The Alumnae Association maintains a record of former students, keeps the class lists revised, holds reunions and an annual business meeting in March at Founders Day, and entertains the college students at various class teas. The Alumnae are proud of the Alumnae House which is used by college guests and alumnae in addition to numerous meetings and social gatherings held by college-related groups.

The Alumnae Association publishes two magazines a year, which are mailed to over ten thousand alumnae throughout the United States and many foreign countries. Monies are raised by fund-appeal drives, the operation of the Snack Bar on campus, chapter contributions, and the sale of Longwood Wedgwood China, Notepaper, and Blue and White Cookbooks.

Alumnae Association Executive Board

DR. H. I. WILLETT, JR., President, Longwood College, Farmville, Va.

DR. DABNEY S. LANCASTER, President Emeritus, Millboro Springs, Va.

DR. FRANCIS G. LANKFORD, JR., Cavalier Dr., Colthurst, Charlottesville, Va.

President: MRS. JEAN RIDENOUR APPICH, JR., 34 Willway Ave., Richmond, Va.

First Vice President: MRS. GLADYS GRIFFIN JETER, 4433 Gorman Dr., Lynchburg, Va.

Second Vice President: MRS. ANNIE LEE YOUNG DUFF, P. O. Box 296, Chuckatuck, Va.

Executive Secretary and Treasurer: MRS. ELIZABETH SHIPPLETT JONES, Rt. 2, Farmville, Va.

Alumnae House Chairman: MRS. ROSEMARY ELAM PRITCHARD, 604 E. Cawson St., Hopewell, Va.

Snack Bar Chairman: MRS. NELL BRADSHAW GREEN, JR., 1410 Blue Jay Lane, Richmond, Va.

Directors: MRS. HELEN JEFFRIES MILES, 106 Skyview Dr., Blacksburg, Va.
 MRS. ELISE TURNER FRANKLIN, 1906 Lafayette Avenue, Greensboro, N. C.
 MISS KATHERINE E. GILBERT, 2507 Memorial Ave., Lynchburg, Va.
 MRS. BETTY JONES KLEPSE, 1405 S. 20th St., Arlington, Va.
 MISS DOROTHY OVERCASH, 21 S. Washington St., Winchester, Va.
 MRS. CHARLOTTE RICE MUNDY, 1342 East Dr., Roanoke, Va.
 MRS. MAY HENRY SADLER MIDGETT, 401 Bay Colony Dr., Virginia Beach, Va.
 MRS. ELEANOR FOLK CANTER, JR., 456 Ott St., Harrisonburg, Va.

Class Representatives: MISS ANN HUTCHINSON, 103 N. George Mason Dr., Arlington, Va.

MRS. BARBARA BURRELL WHEELER, 12724 Richmond St., Chester, Va.
 MRS. HELEN WEEKS PARKER, Box 39, FPO Seattle, Wash.
 MISS OLIVIA GIBSON, 2624 Yale Court, Apt. 2, Chesapeake, Va.
 MISS SUE ELLA COLE, 907 Jefferson Davis Blvd., Apt. 229, Fredericksburg, Va.
 MISS JEANNETTE FALLEN, 102 Dara Dr., Apt. 3, Woodbridge, Va.
 MISS VIRGINIA POINDEXTER, 4632 Hanover Avenue, Richmond, Va.
 MISS SHIRLEY DURVIN, 4307 Austin Avenue, Richmond, Va.
 MISS SUZANNE MEEK, 3 South Oak Ave., Highland Springs, Va.
 MISS PHYLLIS MYERS, 5609-D Crenshaw Rd., Richmond, Va.
 MISS MARGIE WOOD, 6 East Bellefonte Ave., Alexandria, Va.

Presidents of Local Alumnae Chapters:

MRS. JANE RICHARDS MARKUSON, 210 Margate Rd., Lutherville-Timonium, Md.
 MRS. LENOIR HUBBARD COLEMAN, Rt. 3, Box 604, Farmville, Va.
 MRS. RETA NORRIS RICHARDSON, 1605 Brookcliff Dr., Greensboro, N. C.
 MRS. FRANCES HARNSBERGER SWOPE, Millboro, Va.
 MISS RENA M. ROBERTSON, 230 Warwick Lane, Lynchburg, Va.
 MRS. HELEN SMITH BARNES, 409 Forest St., Martinsville, Va.
 MISS MILLY WOODWARD, 6113 Breezewood Ct., Greenbelt, Md.
 MRS. JEAN HOPKINS BOLLINGER, 82 Mormandy Lane, Newport News, Va.
 MRS. DONNIE DEVINE CLARK, 4112 Providence Rd., Apt. C, Charlotte, N. C.
 MRS. JOANNE FARLESS BATTEN, 209 Ridgeland Drive, Smithfield, Va.
 MRS. ANNIE MAE TYUS COLE, 1548 Cedar Lane, Norfolk, Va.
 MRS. PAULINE LANFORD STONER, 8 South Childs St., Woodbury, N. J.
 MRS. VIRGINIA LEWIS SHORT, 25-A Woodmere Apts., Petersburg, Va.
 MRS. BARBARA BLACKMAN WYNNE, 5413 Emerson Dr., Raleigh, N. C.
 MRS. HARRIET BUTTERWORTH MILLER, 7606 Cheshire Rd., Richmond, Va.
 MRS. SUE YEAMAN BRITTON, 3750 Verona Trail, Roanoke, Va.
 MRS. NELL COPLEY IRBY, Rt. 1, Box 42, Blackstone, Va.
 MRS. LAURA HURT ELMORE, 226 Terrace Court, Suffolk, Va.
 MRS. VIRGINIA SUMMERS CHIOSTERGI, 918 Jefferson Ave., Waynesboro, Va.
 MRS. BETTY BARR GIBBS, 1305 N. Alanton Dr., Virginia Beach, Va.
 MRS. PATSY HUDSON NESMITH, 2341 Briarcliff Rd., N.E., Atlanta, Ga.

Enrollment 1968-69

Total Enrollment	2,453
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SUMMER SESSION, 1968

Virginia Students	666
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Non-Virginia Students	18
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684

SESSION, 1968-69 (ON NOVEMBER 1, 1968)

Virginia Students	1,685
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Non-Virginia Students	84
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1,769

Freshmen	495
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Sophomores	449
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Juniors	400
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Seniors	344
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Graduate Students	45
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Special Students	36
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1,769

Index

	<i>Page</i>		<i>Page</i>
Absences	58	Dining room	22
Academic and professional life	38	Diploma fee	48
Academic honors	63	Dormitories	24
Academic probation	60	Dramatic Art	103
Academic regulations	55	Economics	112
Accreditation	1, 26	Education	89
Adjustments in curriculum requirements	56	Educational Objectives	19
Administrative officers	7	Employment	50
Administrative offices	22	English	96
Admission requirements	29	Enforced withdrawal	66
Admission to the Program of Teacher Education	61	Enrollment 1968-69	139
Advanced Placement	57	Examinations	48, 64
Alumnae Association	137	Expenses	45
Anthropology	117	Faculty, college	9
Application blank	143	Financial assistance	49
Application fee	47	Financial information	45
Art	81	Foreign languages	105
Athletic Association	40	French	105
Athletic facilities	22	Geology	131
Auditorium	23	Geography	113
Automobile registration	48	German	107
Biology	127	Government	115
Board of Visitors	5	Grades	58
Book store	25	Graduate study	73
Business education	84	Graduation requirements	65
Calendar, 1969-70	2, 3	Guests	49
Campus	20	Guidance and counseling	31
Changes in requirements	66	Gymnasium suits	48
Chemistry	129	Health service	32
Choir and Chorus	37, 43	History and social sciences	108
Class attendance	58	History of the College	20
Class rooms	22	Home economics	118
Closed-circuit Television	22	Home management house	24
College year	26	Honor Code	39
Commencement	26	Honor societies	40
Cooperative Program with Hampden-Sydney College	27	Honors courses	79
Course changes	47, 56	House Council	39
Course numbers	55	Infirmary	22
Credits	56	Installment Payment of Fees	54
Cultural, social and recreational life	36	Institute of Southern Culture	37
Day students	44	Laboratories	22
Departments of instruction	79	Laboratory school	27
		Laundry	22
		Library	22

	<i>Page</i>		<i>Page</i>
Library service	23	Refunds	49
Loan funds	52	Repetition of courses	64
Location of college	20	Residency	46
Mathematics	120	Scholarships	50
Moral and religious life	35	Science	131
Music	123	Social regulations	38
Music building	23	Sociology	116
Natural sciences	127	Sororities	42
Nursing	70	Spanish	107
Organizations	38	Speech	102
Out-of-state students	45, 46	Speech Pathology and Audiology ...	69
Overload	46	Student activity centers	25
Payments	48	Student Government Association ...	39
Physical and health education	132	Student life on the campus	35
Philosophy	93	Student load	56
Physics	130	Student organizations	41
Placement service	32	Student personnel program	29
Post office	25	Student teaching	25, 47, 61
Prerequisites for student teaching ...	62	Student Teaching Centers	25
Programs of study	67	Tearoom	25
Psychology	90, 91	Transfer of credits	64
Publications	43	Transfer Students, Requirements	
Quality credits	59	for	30
Recreation centers	25	Y. W. C. A.	39

WHERE TO WRITE FOR INFORMATION

Communications relative to general college policies should be addressed to the President of the College.

Requests for specific information about courses and curricula for both the undergraduate and graduate programs of the College and requests for summer catalogues should be addressed to the Dean of the College.

Applications for admission, requests for regular session catalogues, inquiries regarding scholarships, loan funds, and self-help should be addressed to the Director of Admissions.

Requests for credits and transcripts of records should be addressed to the Registrar.

Remittances and correspondence relating to students' accounts should be addressed to the Business Manager. Checks should be made payable to Longwood College.

Requests for information about dormitories and social regulations should be addressed to the Dean of Students.

LONGWOOD COLLEGE

Preliminary Application for Admission

(This application must be accompanied by a fee of \$10.00)

Longwood College is pledged to a non-discriminatory policy of admission concerning race and religion.

Date_____

Name (print) _____
first middle last

Street or R. F. D. _____

Town or City _____ State _____

Zip Code _____ Age _____ Sex _____

Name of parent or guardian _____

Name and address of high school from which you have been or will be graduated

Date of graduation from high school _____ Names and addresses

of colleges you have attended _____

(OVER)

Directions for Applying

1. Fill out the preliminary application above and mail it to the Director of Admissions, Longwood College, Farmville, Virginia 23901.
2. Submit with the application an application fee of ten dollars. Send check or money order made payable to Longwood College. DO NOT send cash.
3. Have your College Board scores sent from the Princeton testing center directly to Longwood College.
4. If you have attended any other college or university, request that the registrar of that institution send an official transcript of your record.
5. When the College receives the preliminary application, a detailed application blank will be mailed to you. This must be filled out and returned before the Committee on Admissions can begin its consideration of your application.

Will you be a boarding student?_____

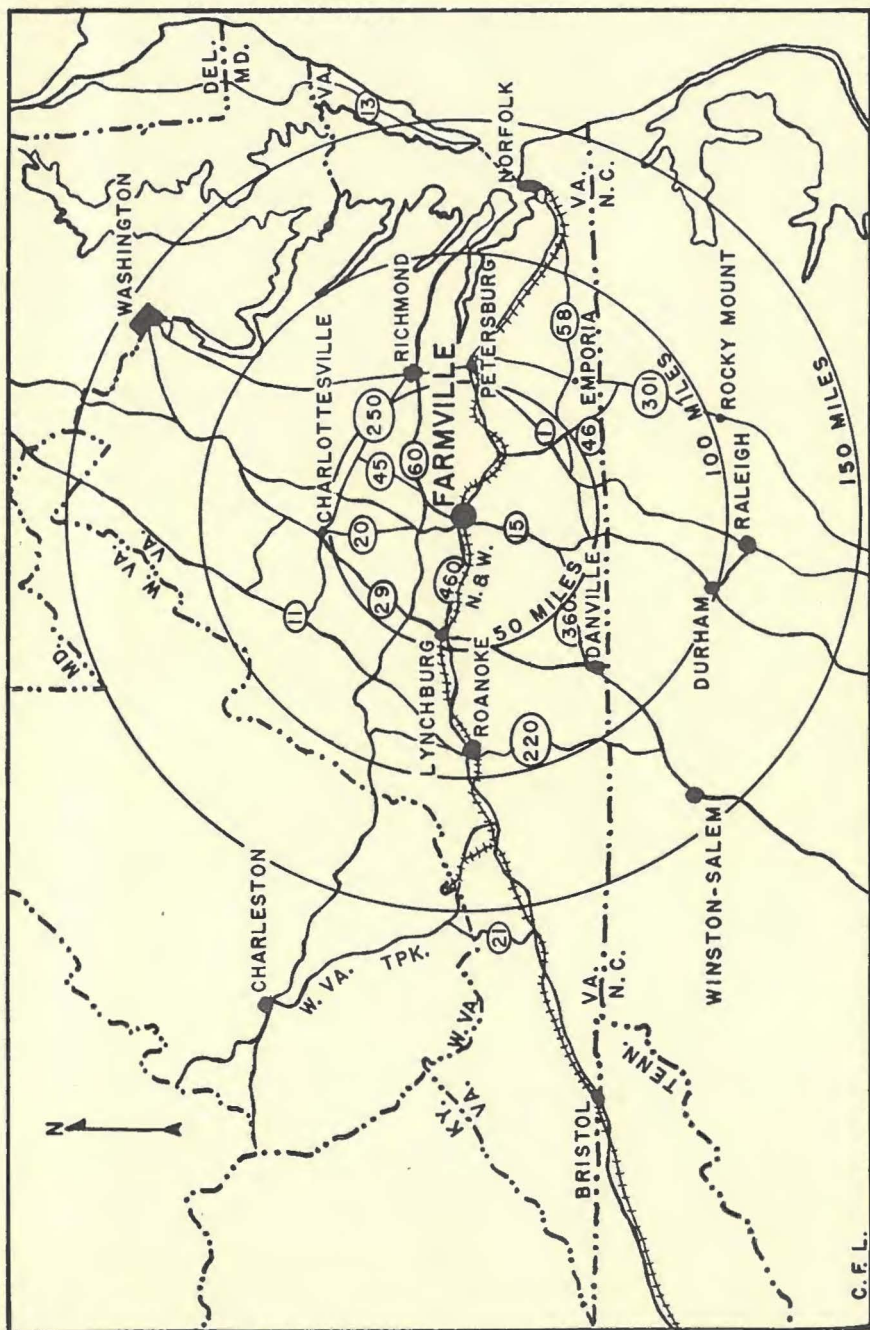
Date that you wish to enter_____

Have you taken the College Board Scholastic Aptitude Test?_____ Have your

scores been sent to Longwood College?_____

Remarks: _____

Your signature _____



Notes

Notes

Notes

the 1990s, the number of people in the UK who are employed in the public sector has increased by 1.5 million, from 2.5 million in 1980 to 4 million in 1995. The public sector has grown from 10% of the economy to 15% of the economy.

There is a growing awareness of the need to improve the efficiency of the public sector. The public sector is a major employer in the UK, and its performance is a key indicator of the health of the economy. The public sector is also a major source of revenue for the government, and its performance is a key indicator of the health of the public sector. The public sector is a major employer in the UK, and its performance is a key indicator of the health of the economy.

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