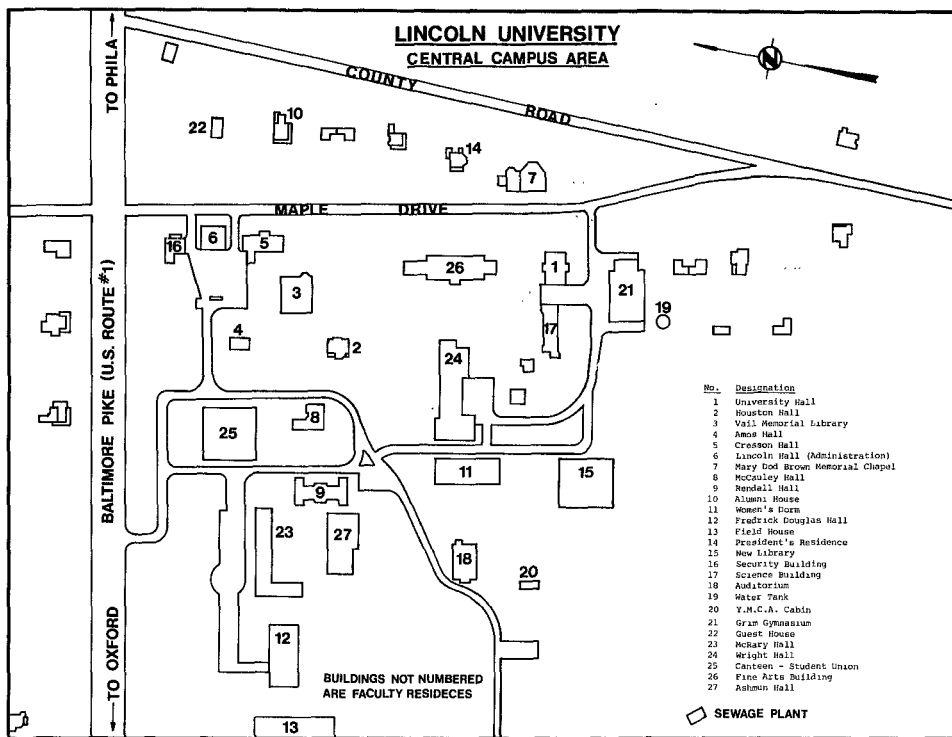


Lincoln University

BULLETIN 1970 / 1972



CORRESPONDENCE WITH LINCOLN UNIVERSITY

Communications should be addressed to the appropriate administrative officer.

ACADEMIC STANDING OF STUDENTS

Dean and Registrar

ADMISSIONS

The Office of Admissions

ALUMNI RELATIONS

The Director of Alumni Relations

FACULTY AND CURRICULUM

Dean and Registrar

FINANCIAL AID, STUDENT EMPLOYMENT

The Financial Aid Officer

FINANCIAL ARRANGEMENTS AND PAYMENTS OF BILLS

Comptroller

GENERAL INFORMATION

The Office of Public Information

PERSONAL AND SOCIAL LIFE OF STUDENTS

Dean of Students

PLACEMENT OF GRADUATES

Director of Placement

REQUESTS FOR TRANSCRIPTS

The Registrar

The Post Office address is Lincoln University, Pennsylvania 19352.

The Office telephone number is 932-8300 (Area Code 215).

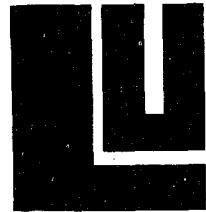
Visitors to the campus are welcome. Those desiring accommodations should contact the Assistant Dean of Students in advance. Meals and lodging may be obtained at nominal cost.

The Offices are open Monday through Friday 8:30-12:00 and 1:00-5:00. Applicants for admission are urged to write for an appointment.

For information regarding public transportation and highway routes, see inside back cover.

Photos by student photographers Travis Broxton, Richard Connell and James McCullers.

**Lincoln
University**
BULLETIN 1970 / 1972



University Calendar

1970-1971

117TH UNIVERSITY YEAR

1970

THE FIRST SEMESTER

September 9 Freshmen students arrive
September 9-14 Freshmen Orientation
September 10 Faculty Conference . . . 10:00 a.m. Thursday
September 12 Freshmen Registration
September 13 Sophomores, Juniors, Seniors arrive
September 14 Registration — Sophomores, Juniors, Seniors
September 15 Classes begin . . . 8:00 a.m. Tuesday
October 27-30 Registration for January Term
October 29 Mid-Term Grade Reports Due
November 25 Thanksgiving recess begins . . . 5:00 p.m. Wednesday
November 30 Thanksgiving recess ends . . . 8:00 a.m. Monday
December 7-11 Pre-registration for second semester
December 16 Last day of classes
December 17-22 Final examinations
December 22 Christmas recess begins . . . 5:00 p.m. Tuesday

1971

January 4 Christmas recess ends . . . 8:00 a.m. Monday

JANUARY INTERIM

January 4 January Term begins . . . 8:00 a.m. Monday
January 29 January Term ends . . . 5:00 p.m. Friday

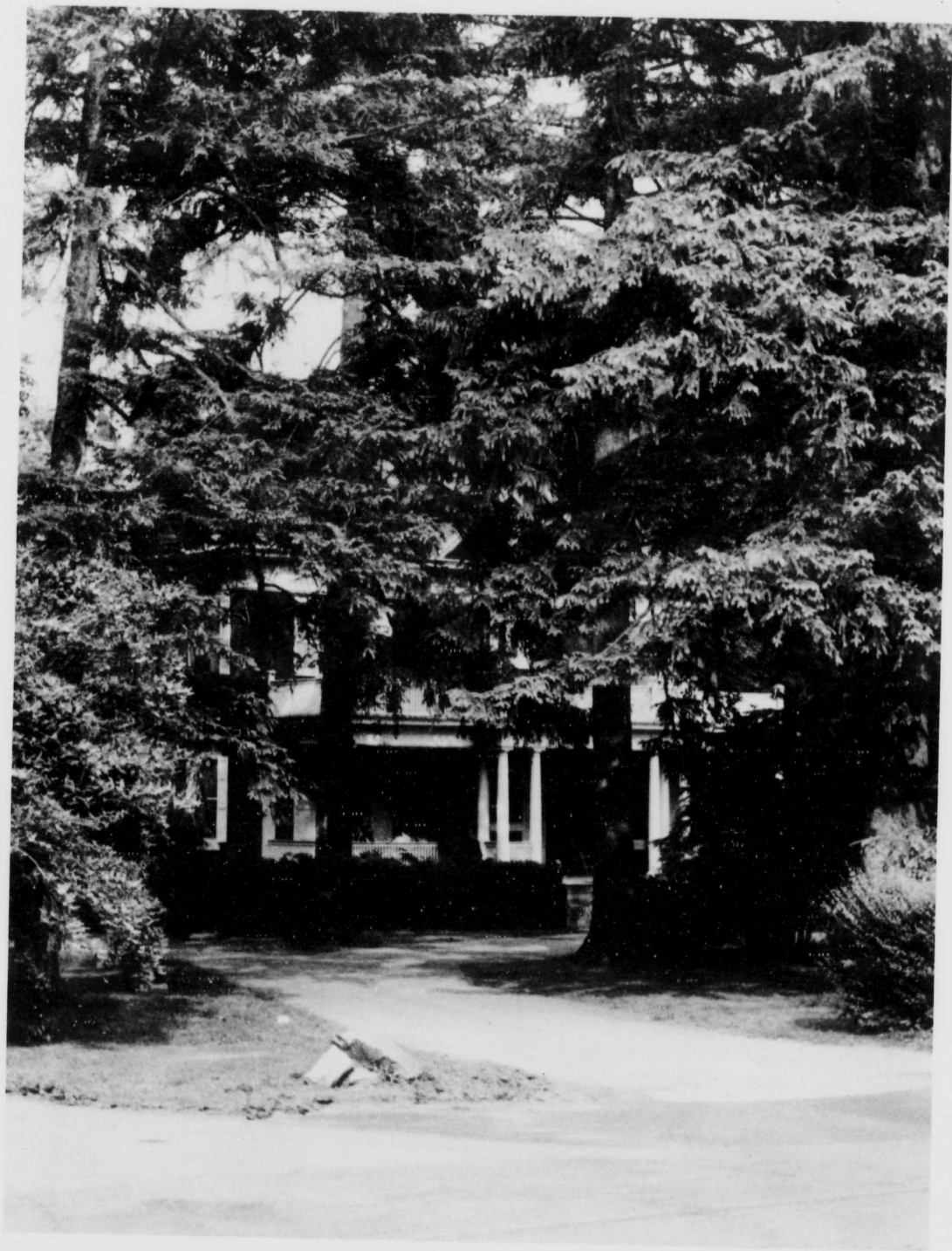
THE SECOND SEMESTER

February 1 Registration — All Students
February 2 Classes begin . . . 8:00 a.m. Tuesday
April 3 Mid-Term Grade Reports Due
April 7 Spring recess begins . . . 8:00 a.m. Wednesday
April 13 Spring recess ends . . . 8:00 a.m. Tuesday
April 20-24 Pre-registration — Fall Term
May 7 Classes end . . . 5:00 p.m. Friday
May 10 Final examinations begin
May 15 Final examinations end
May 23 Baccalaureate and Commencement Services

the 117th and 118th university year

Table of Contents

UNIVERSITY CALENDAR 1970-1971	2
INTRODUCTION TO LINCOLN	5
ADMISSIONS	11
EXPENSES	19
FINANCIAL AID	23
PRIZES AND AWARDS	27
GENERAL INFORMATION	33
UNIVERSITY REGULATIONS	45
PROGRAMS OF STUDY	57
COURSES OF INSTRUCTION	67
DIRECTORY	124
UNIVERSITY CALENDAR 1971-1972	159



Introduction to Lincoln University

Founded in 1854, Lincoln University is the oldest college in the United States having as its original purpose the highest education of Negro youth. Since 1866 it has provided a superior liberal arts education to students "of every clime and complexion." Few universities in this country enroll as large a percentage of students from other countries.

Lincoln University is a nonsectarian, coeducational, privately controlled and state-aided four-year college of liberal arts. Its campus, surrounded by the rolling farmlands and wooded hilltops of southern Chester County, Pennsylvania, is conveniently located on U.S. Route 1, 45 miles southwest of Philadelphia and 55 miles north of Baltimore.

Those who come to Lincoln will share in a rich heritage and a challenging future. The Lincoln student of today has a unique opportunity to equip himself, through a basic training in the liberal arts, for the professions, business, education, government, and social service. His experience will be enriched by association with students of many races and creeds coming from many parts of the world.

STUDENT PARTICIPATION

The University community encourages full participation by all campus groups in every area of its activities. Particular emphasis is placed upon student partnership in the development and institution of curricular and cocurricular programs. Students are active members of many governing and decision-making committees including: Library Building, Lectures and Recitals, Curriculum, Athletics, Health-Welfare and Discipline, Library, Religious Activities, and Publications.

Lincoln students also participate with the faculty committee on honorary degrees, and representatives from the student body are invited to attend the regular monthly meeting of the faculty. In addition, the

president of the University holds regular informal discussion hours with students. Members of the administration and, of course, faculty are always available for consultation.

OBJECTIVES

It is Lincoln University's purpose to offer a thorough grounding in the liberal arts through a curriculum which, incorporating the heritage of the past, stresses the relevance of all knowledge to the problems of the present. The liberal arts, which encompass the sciences and mathematics, are the recognized preparation for the learned professions, for business and for public service, and best equip the student to play a useful role in an increasingly complex yet unitary world. From this premise and from the aims of the several divisions of study the objectives of the college are derived:

First, to cultivate an inquiring and critical mind; to direct it toward the apprehension of truth; and to arm it with those skills essential for effective oral and written communication.

Second, to acquaint the student with the cultural aspects of civilization as expressed in languages, literature, art, music, religion, and philosophy; and to cultivate an appreciation of the role they play in the enrichment of human life.

Third, through the medium of mathematics and the laboratory sciences, to enable the student to cope with the quantitative aspects of life, and to familiarize him with the nature of the physical and biological worlds and with scientific method.

Fourth, to promote understanding of contemporary societies and culture, in terms of their historical antecedents, of their interrelations, and of their economic, political, social, and psychological factors; and to inculcate the values of good citizenship and service to one's fellow man.

Fifth, to develop recreational skills and to encourage participation in all areas of life that promote the health and general welfare of the student; and to develop strength of character and convictions consistent with the ideals of free men.

Sixth, through intensive instruction in the area of the student's special competence, to qualify him for successful graduate or professional study.

Because we believe that only by freely living and learning together shall we move to greater understanding of man's personal and collective problems, Lincoln will actively seek to enroll students of diverse race, color, and national origin. The faculty and board of trustees of Lincoln University, both of which are broadly interracial, are persuaded that this is among the desirable objectives of a liberal education.

To achieve such diversity and to provide the educational values of learning to live constructively in a pluralistic society, Lincoln University will continue, as it has traditionally done with conspicuous success, to accept students with underprivileged backgrounds and to provide compensatory educational opportunities to the full limit of its resources.

ACCREDITATION

The College is approved by the College and University Council of the State of Pennsylvania, by the American Medical Association and, since December 1, 1922, as a fully accredited four-year senior college by the Middle States Association of Colleges and Secondary Schools.

HISTORY

The story of Lincoln University goes back to the early years of the nineteenth century and to the ancestors of its founder, John Miller Dickey, and his wife, Sarah Emlen Cresson. The maternal grandfather of John Miller Dickey was a Philadelphia marble merchant who made contributions to the education of Negroes in that city as early as 1794; his father was minister of the Oxford Presbyterian Church before Rev. Dickey, after serving as a missionary and preaching to the slaves in Georgia, became pastor of that same church in Oxford, Pennsylvania, in 1832. Sarah Emlen Cresson inherited a long tradition of service and philanthropy through the Society of Friends in Philadelphia.

Rev. Dickey was involved in the American Colonization Society and took an active part in 1851 in the court actions leading to the freeing of a young Negro girl who had been abducted from southern Chester County by slave-raiders from Maryland. At the same time, having been unsuccessful in his efforts to gain admission to even the most liberal of schools for a young freeman, James Amos, Rev. Dickey undertook to prepare the young man for the ministry.



In October of 1853 the Presbytery of New Castle approved the plan advanced by Rev. Dickey for the establishment of "an institution to be called Ashmun Institute, for the scientific, classical and theological education of colored youth of the male sex." On April 29, 1854, the new school received its charter from the Commonwealth of Pennsylvania.

On changing the name of the Institute to Lincoln University in 1866, John Miller Dickey proposed to teach on the university level and to enroll students of "every clime and complexion." Law, medical, pedagogical, and theological schools were planned in addition to the College of Liberal Arts. White students were encouraged to enroll; two graduated in the first baccalaureate class of six men in 1868, and the enrollment has continued to be interracial.

A great schoolmaster, Isaac N. Rendall, became principal of Ashmun Institute in 1865 and president of Lincoln University in 1866. Within a decade plans for the law, medical, and pedagogical schools had to be dropped for financial reasons, but the College of Liberal Arts grew in stature and the Theological Seminary continued until 1959 to prepare many Lincoln graduates for the ministry.

Isaac N. Rendall resigned in 1905, after forty years of conducting an institution that graduated leaders as extraordinary as any American college may claim among its alumni. He was succeeded by his nephew, John Ballard Rendall, who served as president from 1905 to his death in 1924. William Hallock Johnson, professor of Greek, served as president from 1926-1936 and was succeeded by Walter Livingstone Wright, 1936-1945. Horace Mann Bond, president from 1945 to 1957, was succeeded first by Dr. A. O. Grubb, professor of romance languages, and then by Dr. Donald C. Yelton, University librarian, who served as acting presidents. In the summer of 1961 Dr. Marvin Wachman was appointed president of the University. He served for eight and one-half years and was followed by Dr. Bernard Harleston as acting president.

In July 1970, Dr. Herman R. Branson was elected the 10th president of the University and assumed office November 1.

Since the turn of the century the number of Lincoln alumni undertaking graduate study for the various professions — most notably, medicine, dentistry, law, and education — has increased to include more than 50% of Lincoln's graduates.

Lincoln University offers instruction in the liberal arts to all who show promise of profiting by it. In reckoning that promise, race is, of course, irrelevant.

Attainment of more than the token integration which has long existed is a corollary of this purpose and a prime goal.

The growing diversity of Lincoln students in color, national origin, and economic and cultural background makes the campus a natural setting for intergroup relations, resulting in a greater sensitivity to human relations and a better understanding of group dynamics.

RESOURCES

The campus is part of a tract of 300 acres of farm and woodlands owned by the University. There are 24 main buildings on the campus and 21 faculty residences. Wright Hall, opened in 1960, provides facilities for the latest instruction in physics, chemistry, and mathematics. A new Student Union was completed in January 1964.

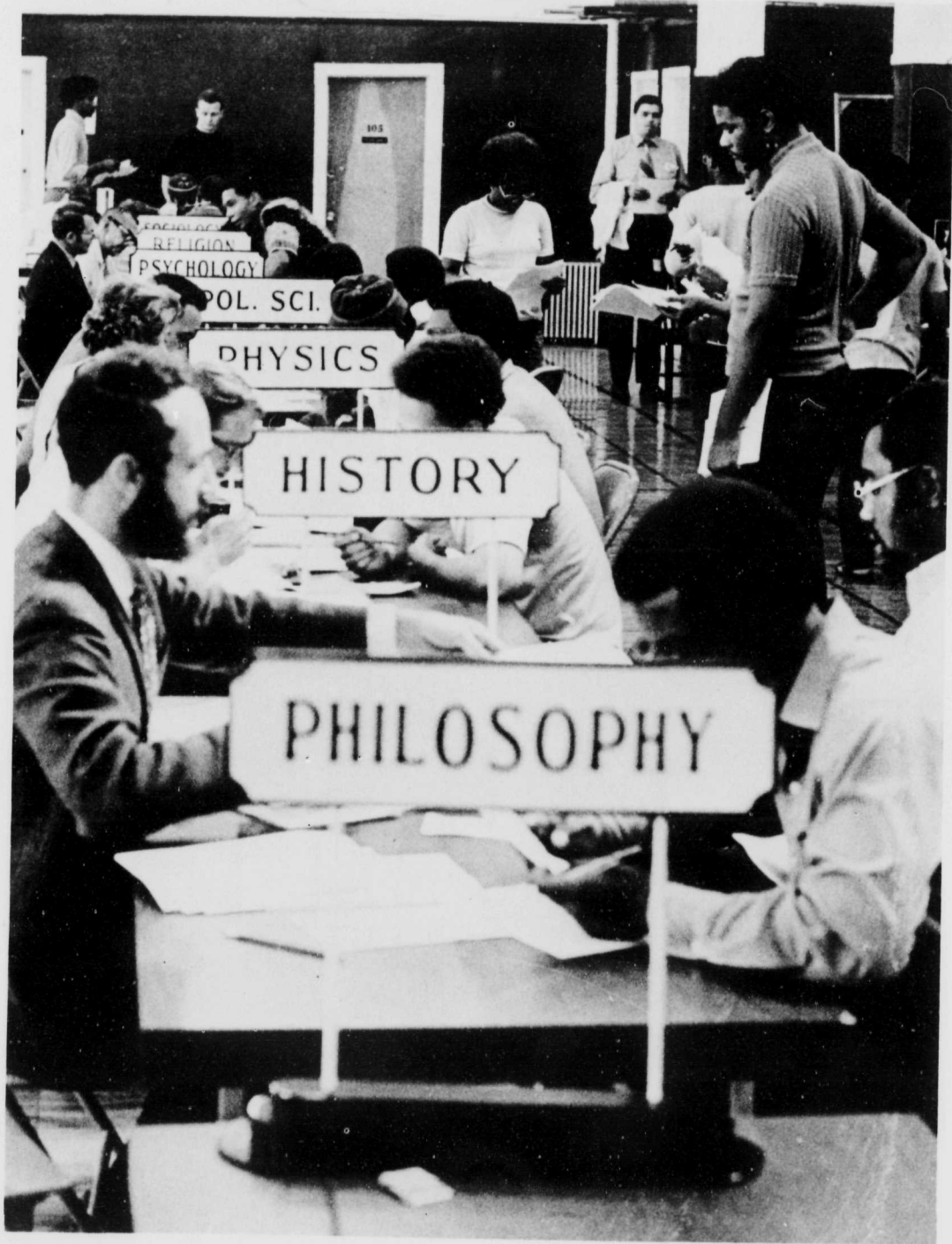
The Ware Center for Fine Arts was opened in 1966 and the Life Sciences building has been doubled in size for study and research in the life sciences.

Vail Memorial Library, which contains over 110,000 volumes and receives about 650 different periodicals a year, is considered to be one of the finest for a college of Lincoln's size.

Presently under construction is a gymnasium which will contain an Olympic size swimming pool. Already approved and under construction is a new \$3,000,000 library.

The University has an endowment of more than \$2,000,000, and the buildings and grounds have a replacement value of more than \$16,000,000.





Admissions

The Committee on Admissions seeks to enroll those students who have demonstrated a sincere desire to further their intellectual and social development. Such development should be consistent with a quest for excellence, understanding and a sense of responsibility to themselves, their colleagues and the community.

Admission to Lincoln University is based on the strength of a student's academic record, grades received, all national standardized test results which are indicated on the transcript with particular emphasis on the College Board's Scholastic Aptitude Test, recommendations, cocurricular activities, job experience, demonstrated leadership and contribution to community, and socio-economic background. No single item of the admission credentials determines whether or not an applicant is admitted.

Applications are welcomed from prospective freshmen any time after the completion of the junior year in secondary school. Lincoln University employs the *rolling admissions* system in which there is no official deadline for applications. However, it is strongly recommended that applications be made by March 15 if admission is desired in September. Applications should be made by December 1 if January admission is desired.

Those who wish to apply for admission should write the Admissions Office, Lincoln University, Lincoln University, Pennsylvania 19352, for application forms. The application form should be completed by the applicant and returned to the Admissions Office. An application fee of \$10.00 must accompany each application and is not refundable. The application fee cannot be waived.

The Secondary School Transcript and Student Description Summary form should be given to the counselor or headmaster of the applicant's

secondary school to be completed and returned directly to the Admissions Office by the applicant's school.

Applicants in their senior year of secondary school whose records are complete are notified of admissions decisions shortly after the first term of their twelfth grade, if admission in September is desired. Transfer students whose records are complete are notified of admissions decisions after February 15. It is the applicant's responsibility to see that all the appropriate steps are completed in filing an application for admission.

ADMISSION BY CERTIFICATE

Each candidate for admission must have completed a minimum of fifteen acceptable units in a secondary school accredited as a standard senior high school either by the state authorities or by the regional accrediting bodies.

The fifteen units of secondary school credits offered for admission should be distributed as follows:

Subjects	Units
*English	3
*Mathematics: Elementary Algebra	1
Plane Geometry	1
Foreign Language in one language	2
History or Civics	1
Science	2
Academic electives	3
Other electives	2
	<hr/>
	15

It is recommended that the elective subjects include an additional unit of a foreign language, of mathematics, and of history or social science, and not more than two of the vocational subjects usually taught in secondary schools. The Committee on Admissions may, at its discretion, accept equivalent preparation.

ENTRANCE EXAMINATIONS

All candidates for admission are required to take the Scholastic Aptitude Test prepared and administered by the College Entrance Examination Board, unless excused by the Committee on Admissions.

It is recommended that the candidates take this test in November, December, January, or March if admission is desired the following September.

Candidates for admission in January should take these tests the preceding May, July, or December. It is further recommended that each candidate take the English Composition Achievement Test and two additional tests in the College Board series.

Information and application forms for the tests should be secured from the College Entrance Examination Board at one of the following addresses (whichever is closer to the candidate's home or school):

Box 592, Princeton, New Jersey 08540, or Box 1025, Berkeley, California 04710.

The candidate is responsible for requesting that his test scores be sent to Lincoln University — either by indicating Lincoln University on his College Board application blank or, if he failed to do this, by special request to the College Board office.

Applicants from outside United States territory must submit the results of examinations such as the Test of English as a Foreign Language, and/or the Scholastic Aptitude Tests as well as local examination results.

ADVANCED PLACEMENT

Students who have completed college level courses in secondary schools and have taken the Advanced Placement Examination administered by the College Entrance Examination Board may have the results forwarded to Lincoln University for evaluation. The chairman of the department concerned evaluates the performance on the test and determines the credit to be allowed for the work.

ADMISSION UNDER THE EARLY DECISION PLAN

The early decision plan is offered only for candidates who are sure Lincoln University is the college they will attend if admitted and whose credentials are such as to make the probability of admission high. This plan is designed primarily to reduce anxiety for candidates as early as possible in the senior year; it has the additional advantage of reducing unnecessary multiple applications that otherwise would have to be filed, supported by the schools and considered by the colleges.

The first choice early decision plan requires a candidate to certify that Lincoln University is his first choice, and that he will accept an offer of admission if it is extended, provided it includes adequate financial aid if such is needed. This first choice plan permits the candidate to initiate other applications for admission should this seem advisable, but the candidate must agree to withdraw such applications when notified of acceptance and financial aid, if needed, by Lincoln University.

This plan must be initiated by the candidate. A candidate must submit a letter with his application requesting consideration for early decision. Lincoln University will provide for notification of action of any financial aid application at the same time the candidate is notified of action on his application for early decision. Further information is available upon request.

ADMISSION WITH ADVANCED STANDING

A student who has taken work at a college of recognized standing may be admitted with such advanced credits as his previous record may warrant, but no student who has been enrolled less than two semesters at Lincoln University will be recommended for a degree. The applicant should request the institution last attended to send to

the Registrar a transcript of his academic record. On the basis of this transcript a tentative estimate can be given the candidate as to the prescribed work he must do and the length of time it will take him to earn a degree. At the end of his first semester at Lincoln, he will be given a definite classification with a statement of the exact amount of work he must complete before recommendation for the degree.

Candidates for advanced standing must also furnish a certificate of honorable dismissal from the institution previously attended, a certificate of good moral character from an authorized representative of his college, and a certificate of sound health.

ADMISSION WITH THE A.A. OR A.S. DEGREE

Lincoln University will give preference to those who hold the *Associate of Arts or Associate of Science degrees from regionally accredited junior colleges* over those transfers who do not. Applicants with either the A.A. or A.S. degree, who have been enrolled in a liberal arts or transfer programs, will in general be admitted with junior standing. Transfers from new junior colleges not yet accredited will be evaluated on the basis of their academic records. We recommend that junior college students complete their lower division program before transfer. However, if this is not the case, the transfer should have earned at least a C+ (2.5 grade point average). Lincoln University accepts about one-half of those transfers who apply.

A wide range of scholarships, grants and loans are available to applicants with an A.A. or A.S. degree. All other transfer applicants must be enrolled at Lincoln for one semester before scholarships can be awarded, unless unusual circumstances warrant consideration. However, loans, work-study and E.O.G.'s are available pending admission. All applicants should submit a Parents Confidential Statement and a Lincoln University Application for Financial Aid by April 1. Awards are granted on an annual basis.

"PROJECT GOOD NEIGHBOR"

In an effort to render even more service to our community, Lincoln University has conceived a program entitled "Project Good Neighbor" to enroll formerly inadmissible students from our immediate vicinity. High school graduates living in proximity (30 miles) to our campus who have either received somewhat below average grades or SAT scores are being encouraged to reconsider college as a possibility through the auspices of this program.

"Good Neighbor" is coeducational and invites students with academic, commercial, or industrial arts backgrounds to apply. The SAT portions of the CEEB examination for college admission are not required but recommended. Specimens of English composition and a series of interviews are suggested prior to matriculation. It is necessary that applicants have demonstrated extraordinary motivation to succeed, in the opinions of their high school counselors and other professionals



with whom they have contact.

Through a relevant and exciting curriculum developed by our staff particularly for this program, each "Neighbor" will receive, on a daily basis, instruction in homogeneously grouped classes. He will also receive free books, counseling services, and the special attention of our Student Affairs Staff.

PERSONAL INTERVIEWS*

Although interviews are not required for admission, the College welcomes interviews with prospective students. An interview on campus can be arranged Monday through Friday between the hours of 8:30 a.m. and 12:00 noon or 1:00 p.m. and 4:30 p.m. A request for an interview and campus tour should be addressed to the Office of Admissions in advance of the desired date. Applicants should suggest at least two alternative dates on which it would be convenient for them to visit the campus.

**All transfer students must have a personal interview.*

Experience indicates that campus visits are more meaningful to an applicant when students are on the campus.

It is recommended that whenever possible an applicant have his College Board scores and high school transcript sent to the College prior to the visit.

CLASSIFICATION OF STUDENTS

Regular Students — Regular students are those who have met the entrance requirements for candidacy and are registered for degrees.

Special (or probational or provisional) Students — An applicant may apply for admission as a special student. A special student is one who is not a candidate for a degree and normally but not necessarily carries less than three courses per semester. A special student in attendance who wishes to be considered for admission to degree candidacy should file formal application with the school's Committee on Admissions. Once admitted, he will receive credit toward the degree for appropriate courses completed while in the special student status provided that the grades earned are "C" or higher. All special students are required to qualify for degree candidacy before completing nine courses. (Students are encouraged to make application for admission to degree status after they have completed four courses, provided they have a cumulative quality point average of 2.00). Students who apply for degree candidacy with more than nine courses will be considered only by special permission of the Committee on Admissions.

RE-ADMISSION

A student previously registered in the University who was not registered on campus during the immediate preceding semester (summer session excluded) must apply for re-admission to the Director of Admissions. If he applies as a degree candidate and was previously registered as a nondegree student, or if he has attended one or more higher institutions during his absence from the University, he must have complete official transcripts sent to the Director of Admissions from each institution attended.

TESTING PROGRAM: NEW STUDENTS

Students entering the College for the first time will be required to take a psychological test and such other placement tests as the faculty may decide. These tests are not included to determine the admission of the student but to indicate the grade of work of which he is capable and the most efficient method of teaching him.

MATRICULATION

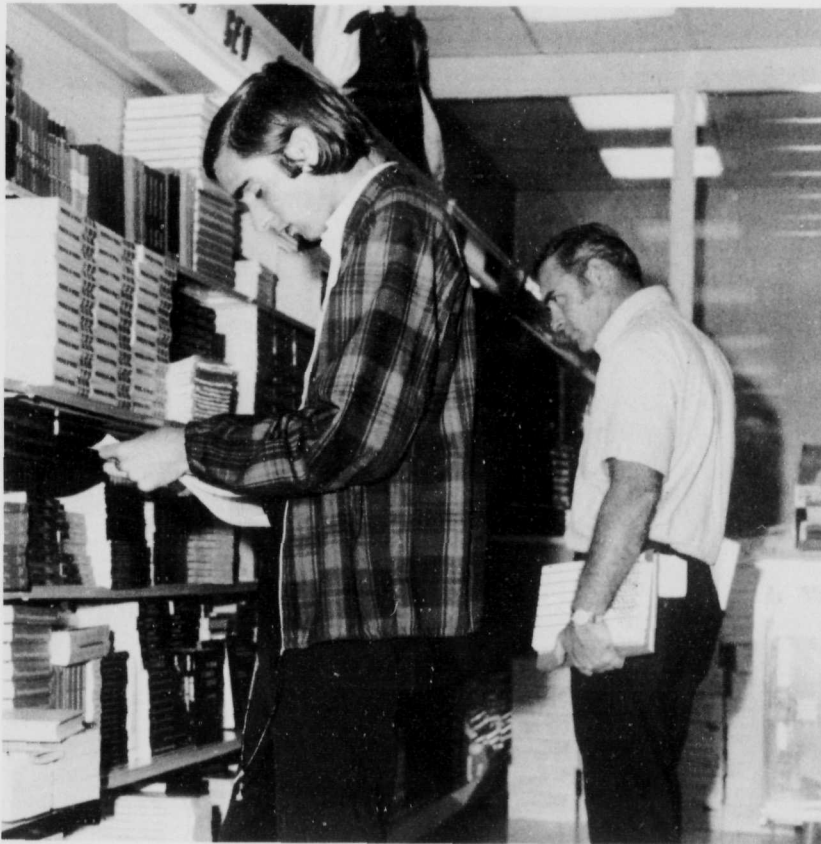
Before attending any University exercise, each student must present himself in person at the University Office and there obtain an official matriculation card signed by the Comptroller, and from the Registrar, a card showing the courses he is scheduled to take during the ensuing semester.

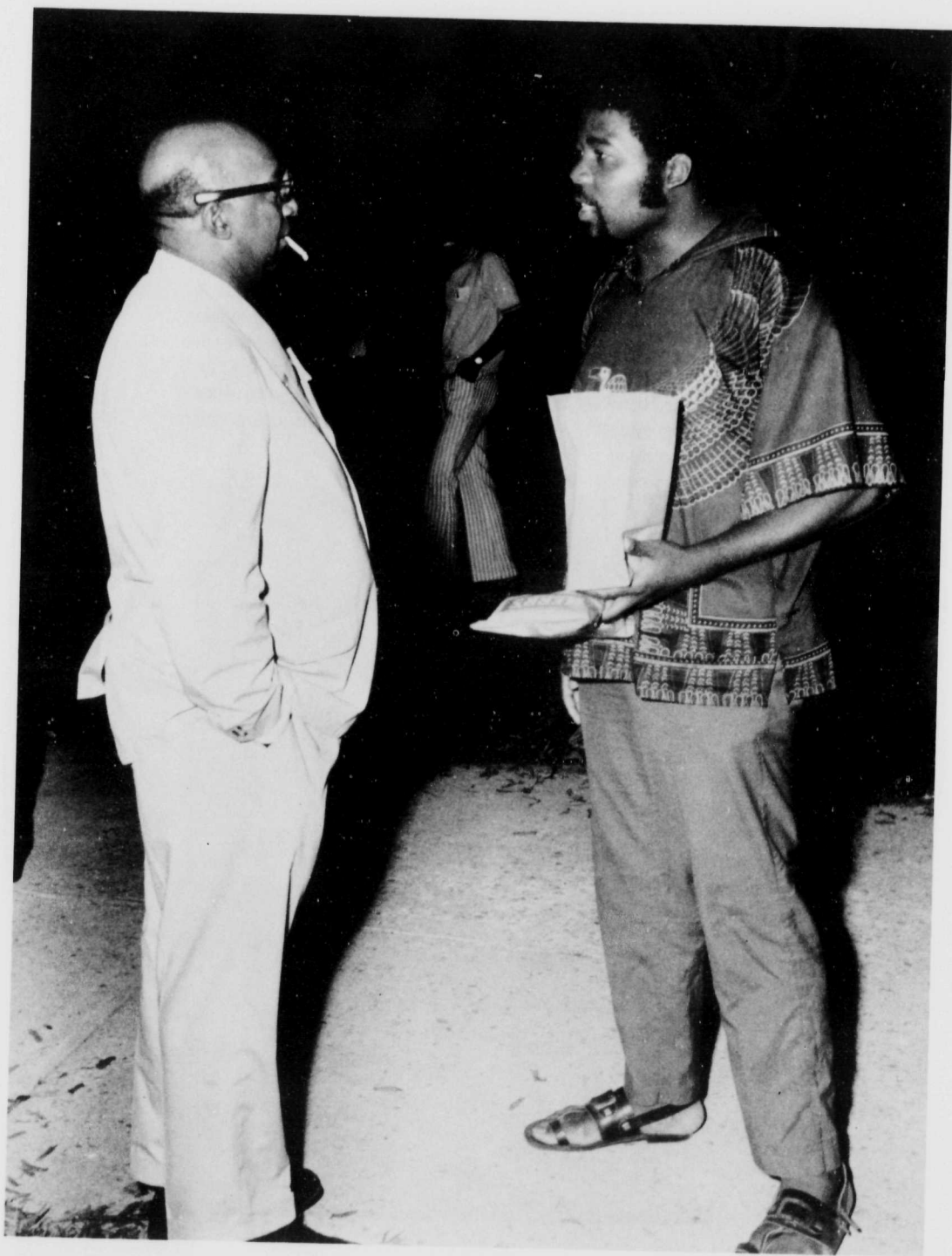
LATE REGISTRATION

Students presenting satisfactory excuse for tardy registration may pay the late registration fee of ten dollars and be admitted to the College during a period not exceeding two weeks after the opening of any semester. The student will be held accountable, however, for the assignments already covered in class.

WITHDRAWAL

An honorable discharge will be granted to any student in good academic standing and not subject to discipline, provided his financial obligations to the University have been met. A letter of notification of intention to withdraw must be submitted to the Office of the Dean of Students. A student under twenty years of age must present the written consent of his parents or guardian. The student must then secure a withdrawal card from the Dean of Students and have it signed by the Librarian, Financial Aid, Housing and Business Offices. When a student withdraws, his I.D. Card must be submitted to the Office of the Dean of Students.





Expenses

1970-1971

STANDARD CHARGES FOR ALL STUDENTS:

	1st Semester and January Term 2nd Semester		Total
Tuition	\$ 485.00	\$ 485.00	\$ 970.00
General Fee	95.00	95.00	190.00
Sub-total (Applicable to both Day and Resident Students)	580.00	580.00	1,160.00
Room and Dormitories	250.00	250.00	500.00
Board	280.00	220.00	500.00
Total (Applicable to Resident Students only)	\$1,110.00	\$1,050.00	\$2,160.00

The University reserves the right to change the charges for room and board at the end of any month in order to meet the actual cost of these services.

Miscellaneous Fees

Orientation and Placement Tests	\$12.00
Matriculation	12.00
Laboratory	3.00 to 10.00
Graduation Fee	15.00
Transcript (After first one)	1.00
Late Registration	5.00
Late Payment (Each occurrence)	3.00
Service Charge	5.00
Physical Education Fee	5.00
Music Fee	45.00
Music Practice Fee (Non-Majors)	6.00
Graduate Record Examination	7.50
Practice Teaching	25.00
Sickness and Accident Insurance	18.50

Miscellaneous fees, assessed as incurred by full-time or part-time students, are payable in addition to standard charges.

Part-time students are charged for tuition at the rate of \$30.00 per semester hour. Other students taking more than 4½ courses per term, excluding the January Term, are charged at the same rate.

Any student who is permitted to enter school for the January Term and to engage in a 'project' will be assessed a tuition charge of \$120.00 and a general fee of \$15.00 for that project. Room and board are \$110 additional if the student resides on campus.

A \$75.00 registration deposit is required of each student to reserve a place in a dormitory or other housing accommodations. It is required that all new students, day and resident, mail the deposit as soon as admission to the University had been granted. Other students should make the deposit by May 1. The deposit is credited towards the school bill upon registration and is refundable to returning students only if notice of withdrawal from the University is given by July 1.

REGULATIONS GOVERNING PAYMENT OF COLLEGE BILLS

Arrangements for paying the bill for tuition, fees, room and board, either through cash-in-full or The Tuition Plan, Inc., are to be completed as follows:

- a. For first semester, including January Term, by August 15.
- b. For second semester by January 15.

Remittances for school expenses should be made payable to Lincoln University and addressed to the Business Office.

As an associate of The Tuition Plan, Inc., the University is able to extend to students and their parents or guardians the opportunity of paying college expenses in installments during the school year. Details will be furnished upon request.

No student is eligible to attend classes or engage in any University activity until all financial arrangements have been completed in accord with these regulations or approved pursuant to them.

Students are expected to take an active interest in management of the day to day details of their school finances even though their parents are, in most instances, responsible for settlement of school bills. The University is able to render more prompt and satisfactory services by dealing with students who share in the concern for a most effective use of funds being invested in their educational future.

REFUNDS FOR TUITION

Tuition only is refundable upon withdrawal of a student, for other than disciplinary reasons, according to the following schedule of attendance and rates:

- Between one and two weeks 80%
- Between two and three weeks 60%
- Between three and four weeks 40%
- Between four and five weeks 20%
- Over five weeks 0%

REFUNDS FOR BOARD

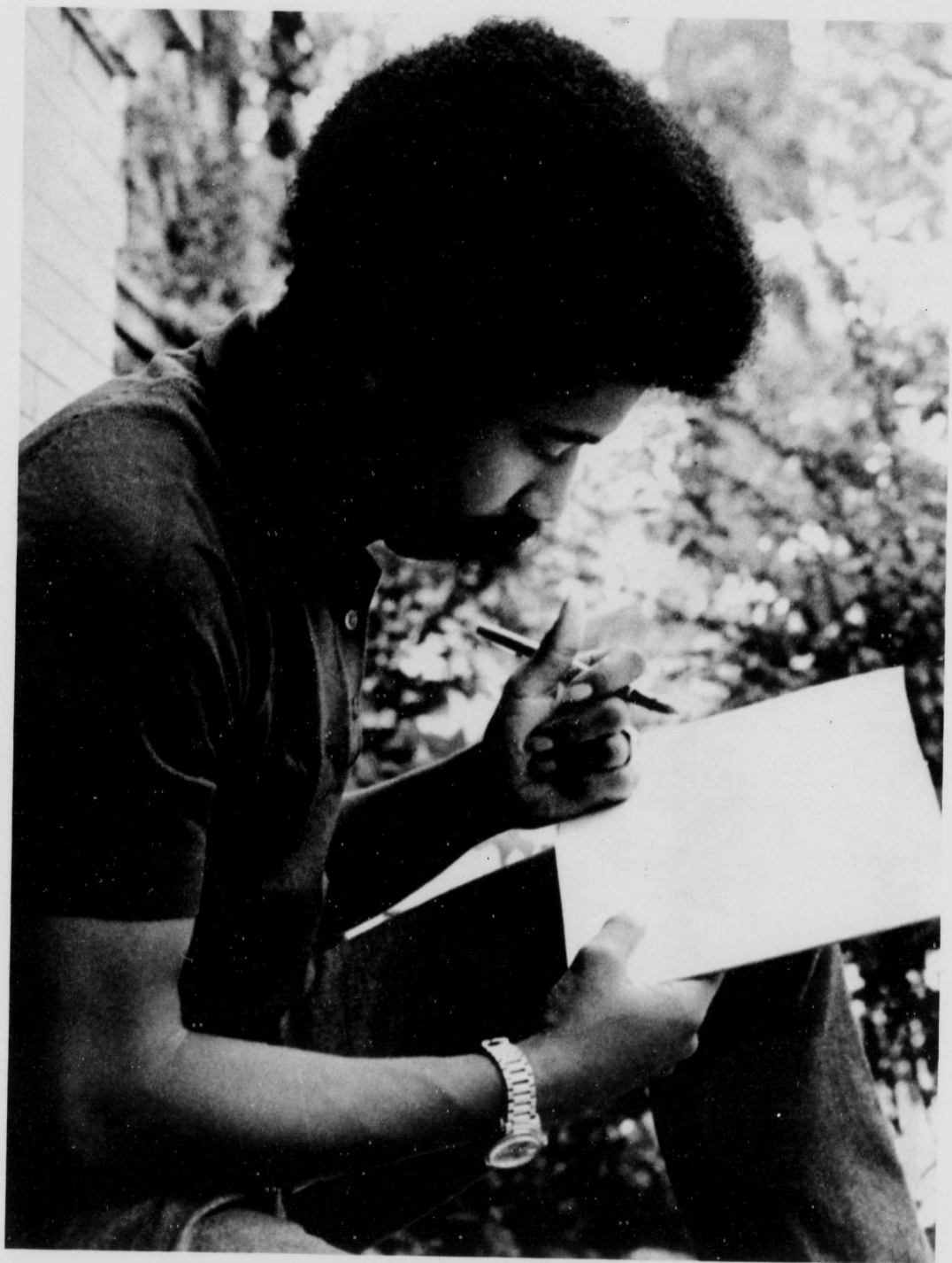
A proportionate refund or reduction of the charge for board will be made upon withdrawal or absence of a student for a period of six weeks or more, provided that notice of withdrawal has been given to the Office for Student Affairs and the Business Office.

No reduction of charges is permissible except as stated above.

STUDENT DEPOSIT ACCOUNT

For the convenience and protection of students in residence, the Business Office maintains a student deposit account, where money for personal or incidental expenses may be deposited to be drawn upon as occasion requires.





Financial Aid

A broad range of financial aid is available to those students who qualify for admission and demonstrate financial need. Financial assistance is provided through a combination of scholarships, grants-in-aid, loans and work opportunities. The financial aid program is administered by the Financial Aid Officer under the direction of the Financial Aid Committee. The selection of the type of funds used to meet the student's need is the responsibility of the Financial Aid Committee.

The services of the College Scholarship Service (CSS) are used to assist in the determination of financial need. The parents of each applicant seeking financial assistance are required to submit a copy of the Parents Confidential Statement (PCS) to the College Scholarship Service, P. O. Box 176, Princeton, New Jersey 08540; P. O. Box 881, Evanston, Illinois 60204; or P. O. Box 1025, Berkeley, California 94701, designating Lincoln University as one of the recipients of the information. Forms may be obtained from the Guidance Office of the secondary school, or the College Scholarship Service at one of the above addresses.

Candidates for admission should submit a Parents Confidential Statement and the Lincoln University Application for Financial Aid by March 15.

Financial aid is awarded on an annual basis and is renewable from year to year as long as the student remains in good standing and meets the renewal requirements. A student is in good standing if he is making normal progress toward a degree and has a satisfactory college record.

Candidates for renewal must submit a new Parents Confidential Statement and a student application by April 15.

SCHOLARSHIPS

Scholarships ranging in amounts from \$100 to \$1,800 per year are available from University funds, along with a variety of funds provided

by alumni, corporations, and foundations, depending upon the need and academic qualifications of the student. While preference is given to those with excellent records in accredited high schools and high College Entrance Examination Board test scores, careful consideration is also given to needy students who give evidence of high motivation and potential leadership.

PENNSYLVANIA SCHOLARSHIPS

The College grants Senatorial Scholarships amounting to \$350 per year, applicable toward tuition, to qualified candidates who are legal residents of Pennsylvania and are nominated by members of the Senate of Pennsylvania.

Lincoln students who are residents of Pennsylvania are eligible to apply for scholarship grants from the Pennsylvania Higher Education Assistance Agency.

These scholarships, awarded on the basis of need and/or Scholastic Aptitude Test scores, range from \$200 to \$800 per year. Detailed information concerning this program is available in most secondary school guidance offices or from the University's Financial Aid Officer.

FEDERAL EDUCATIONAL OPPORTUNITY GRANTS

Students who demonstrate unusual financial need may qualify for Educational Opportunity Grants. EOG's ranging in amounts from \$200 to \$1000 are awarded in combination with National Defense Student Loans or other forms of aid. Students are considered for these grants automatically when application is made for a University scholarship, and no separate application is needed.

SAMUEL B. ROBINSON SCHOLARSHIPS

These scholarships are granted in sums from \$50 to \$200 or more to needy and worthy students who have recited correctly from memory the answers to the 107 questions in the Westminster Shorter Catechism.

NATIONAL DEFENSE STUDENT LOANS

This is a program of borrowing, primarily for needy students, in which the student has an obligation to repay his loan. A student may borrow up to \$1,000 a year if he qualifies academically and in terms of need. If a borrower becomes a full-time teacher in an elementary or secondary school or in an institution of higher learning, as much as one half of the loan may be forgiven at the rate of 10% for each year of teaching service. Borrowers who elect to teach the handicapped children or in certain eligible schools located in areas of primarily low income families may qualify for cancellation of their entire obligation at the rate of 15% per year.

GUARANTEED LOANS

Under a system of guarantees established by the federal government and various state governments, students may borrow up to \$1,000 per year from participating loan agencies to be repaid after the student

ceases or completes his course of study. Applications for these loans must be secured from the student's local bank. Details concerning these programs are available through secondary school guidance officers or the University's Financial Aid Officer.

UNITED STUDENT AID FUNDS, INC.

Under this program a qualified student may borrow up to \$1,000 annually, or a combined total of \$4,000 during his undergraduate enrollment. After the loan is approved it is negotiated at the student's hometown member bank.

DUVALL B. EVANS LOAN FUND

This fund, a gift from Mrs. Edith C. Evans, widow of Duvall B. Evans of the Class of 1911, is to be used to provide loans to worthy and needy students. The fund is administered with special concern for incoming students who would otherwise not be able to attend college.

STUDENT EMPLOYMENT

Many employment opportunities are available through the University's Work Aid Program and a Work-Study Program financed in part by the federal government. Students with a satisfactory academic average are eligible for a wide variety of part-time jobs in various departments throughout the campus.

Earnings of a student assigned work to help defray his expenses may be paid in cash or credited to his account monthly upon satisfactory completion of his assigned task. Earnings must be applied to a student's account if it is in arrears.

VETERANS AND WAR ORPHANS INFORMATION

All students who plan to attend Lincoln under the provisions of a veteran's educational program are urged to apply to the appropriate agency for necessary authorization well in advance of their registration date. The Certificate of Education and Training should be submitted to the Registrar's Office at the time of registration. Veterans enrolling under P.L. 550 or 358 or a veteran's child enrolling under P.L. 634 should be prepared to pay all expenses in accordance with the University regulations inasmuch as payments are made directly to the veteran by the Veterans Administration. Recipients of such payments are advised to anticipate a delay of approximately two months before receiving the first payment from the sponsoring agency.



Prizes and Awards

The following prizes and awards are offered annually for proficiency in the area indicated.

THE HUMANITIES

THE CLASS OF 1899 PRIZE is given to that member of the senior class who passes a creditable examination in English studies and writes the best essay on some assigned topic.

THE C. MORRIS CAIN PRIZE is given annually to that student in the college who has maintained general excellence in English Bible studies.

THE EDWARD S. SILVERA AWARD FOR CREATIVE WRITING, established in 1964 for a five-year period by John D. Silvera in memory of his brother, is granted annually to the student who has, in the opinion of a faculty-staff committee, published poetry of an excellent quality in *The Lincolnian*.

WILLIAM EICHELBERGER AWARD FOR CREATIVE WRITING is given to the student having written the best prose piece published in *The Lincolnian*.

THE HARRISON H. CAIN PRIZE (awarded in memory of his mother, Elizabeth Cain, and his brother, William C. Cain) to a member of the junior class who best exemplifies the ideals and characteristics of Lincoln University in both his academic and extracurricular activities especially in the field of religion and/or music.

INTERFAITH STUDIES AWARD awarded annually to the student who in the spirit of interfaith emphasis has done the most to serve the Center's variety of programs and projects by means of communication, personal participation and helpful cooperation.

THE WILLIAM B. SUTHERN MEMORIAL AWARD is given to a graduating senior for proficiency in music and outstanding scholarship.

THE CLASS OF 1900 PRIZE is awarded to that student who, in the judgment of the faculty, has acquitted himself most creditably in inter-collegiate debates.

THE ELIZABETH H. TRAIN MEMORIAL PRIZES IN ORATORY (given in 1919 by the Rev. William F. Finney, D.D., in memory of Elizabeth H. Train) are awarded to the best and to the next best speaker in a public oratorical contest for sophomores.

THE WALTER FALES MEMORIAL PRIZE IN PHILOSOPHY is given in memory of Walter Fales, professor of philosophy, 1946-1953, to the student whose work in philosophy is of the highest quality.

THE ALICE FRANCOISE NGO MANDENG MEMORIAL PRIZE IN PHILOSOPHY is awarded annually to a student whose work in philosophy merits lasting honor.

THE WILLIAM E. QUEENAN, SR., MEMORIAL AWARD—A plaque and monetary annual award for work in the theater. The recommendation for the recipient of the award shall be made to the Committee on Prizes and Awards through the faculty member in charge of drama.

ELIZABETH SCHWARTZ MEMORIAL AWARD is granted annually, on recommendation from the fine arts department, to the student who has best demonstrated creative talent and initiative in any aspects of the fine arts.

DONALD BENJAMIN BARTON, CLASS SEMINARY 1919, PRIZE — for outstanding work in the philosophy of religion.

NATURAL SCIENCE

THE BRADLEY GOLD MEDAL is awarded to that member of the senior class who has maintained the highest average standing in selected branches of physical science.

ROSA BRADLEY READ MEMORIAL PRIZE IN CHEMISTRY is awarded to the senior showing the highest proficiency in chemistry.

THE NORMAN EDWARD GASKINS MEMORIAL PRIZE IN ORGANIC CHEMISTRY (endowed in 1955 in memory of Professor Norman E. Gaskins, '34, teacher of organic chemistry, 1937-1955) is awarded annually to that student attaining the highest average in organic chemistry.

THE S. LEROY MORRIS MEMORIAL PRIZE IN BIOLOGY (endowed in 1937 by Mrs. Amaza Morris Lockett, Atlantic City, N.J., in memory of her father, S. Leroy Morris, M.D., of the class of 1892) is given to that member of the senior class who has maintained the highest average in the courses in biology.

THE WILLIAM S. QUINLAND, JR., MEMORIAL PRIZE IN BIOLOGY (given by William S. Quinland, M.D., Nashville, Tennessee, in memory of his son, William S. Quinland, Jr.) is awarded to the pre-medical student of the graduating class who possesses initiative and marked proficiency in biology and who stands second in honors in this subject.

THE RICHARD M. WHEELER MEMORIAL PRIZE (given in his memory by his wife and children) is awarded to the student whose work in pre-engineering is of the highest quality.

THE JOSEPH LEROY WILLIAMS MEMORIAL PRIZE (endowed by Mrs. Carrie W. Williams in memory of her husband, Joseph Leroy Williams, Lincoln University, '29) is awarded annually to that student in the senior class who has been accepted in a medical school and who has the highest average in chemistry and biology courses.

JESSIE B. PLUMMER MEMORIAL MEDAL, in memorial to Jessie B. Plummer, Class of 1937, was established in 1969 by the Greater Boston Chapter of the Lincoln University Alumni Association and is awarded to that member of the senior class who has earned the highest average in chemistry.

JOHN M. TUTT AWARD IN MATHEMATICS is awarded to that student who has the highest academic standing in the field of mathematics.

SOCIAL SCIENCE

THE ROBERT M. LABAREE ESSAY PRIZE IN THE SOCIAL SCIENCES, awarded biennially to a member of the junior or senior class, is the income from \$200 contributed by Dr. Leonard W. Labaree, nephew of the late Professor Robert M. Labaree.

THE HISTORY DEPARTMENT PRIZE is awarded annually to that member of the graduating class whose work in history has shown the most consistent merit during his time as a Lincoln University student.

PRIZES FOR SCHOLARSHIP STANDING

THE CLASS OF 1915 PRIZE is awarded, on the recommendation of the Faculty Committee on Athletics, to that student of the graduating class of the odd years who has best combined athletic distinction and scholarship standing.

THE CLASS OF 1916 PRIZE is awarded, on the recommendation of the Faculty Committee on Athletics, to that student of the graduating class of the even years who has best combined athletic distinction and scholarship standing.

THE WALTER F. JERRICK PRIZE is awarded to that student in the graduating class who shows the most improvement in scholarship during his four years at Lincoln University.

THE E. K. MARROW MEMORIAL PRIZE (established by Gloria G. Marrow, in memory of her brother, Edmond Kirk Marrow) is awarded annually to the graduate from the state of New Jersey with the highest average.

THE FRAZIER S. TAYLOR MEMORIAL PRIZE (contributed by the father and uncle of the late Frazier S. Taylor) is awarded to that member of the junior class who best combines scholarship and athletic ability.

THE SHARON BIBEN MEMORIAL AWARD (given by the family and friends of Sharon Biben) to the woman student who in the opinion of a faculty committee best combines scholarship and outstanding service to the college community.



THE SILAS F. TAYLOR MEMORIAL PRIZE is given to the member of the graduating class with the highest average who has attended Lincoln University for six or more semesters.

GENERAL PRIZES

THE HENRY W. B. CAMPBELL AWARD (given by Mrs. Campbell in memory of her husband, Lincoln, '03; Seminary, '06) is presented to one or more students who best combines the qualities of scholarship and Christian character.

THE AMY L. JOHNSON AWARD is granted to that student of the college who has shown the most improvement in personality and scholarship during the last three full years of residence.

THE WILLIAM H. MADELLA PRIZE (endowed by Miss F. Louise Madella, Washington, D.C., in memory of her father, William H. Madella, M.D., of the Class of 1876) is given to the graduating student who has made the most general progress and has demonstrated high character, conduct, and scholarship during his career at Lincoln University.

THE NORTH SHORE SYNAGOGUE RELIGIOUS SCHOOL AWARD is given annually to the student who does most to promote human rights at home or abroad.

THE RABBI WEITZ AWARD is granted to the student who does most for interfaith, interracial and intergroup cooperation on a world level.

THE RICHARD T. LOCKETT MEMORIAL PRIZE (endowed by Mrs. Amaza M. Lockett in memory of her husband, Richard T. Lockett, Lincoln University, '18) is awarded annually to that member of the senior class who during his or her enrollment in the University has made a significant contribution to the campus and the local community.

NATIONAL LADIES AUXILIARY PRIZE awarded annually to a deserving student who is a member of the senior class.

ALLEN B. KODISH LODGE OF B'NAI B'RITH AWARD OF WEST-CHESTER — for the student who does the most for survey of areas of cooperation between ghettos and their new needs in the 1970s in the United States.

THE MICHAEL JAFFE LODGE B'NAI B'RITH OF COATESVILLE AWARD — to the student who either works on or exemplifies best efforts for intergroup cooperation for social values on the campus of Lincoln University and in the community-at-large.

INSTITUTE FOR COMMUNITY AFFAIRS SCHOLARSHIP AWARD — to the senior student who has shown maturity, responsibility, and excellence in the practical application of social work principles.

GENERAL ALUMNI ASSOCIATION AWARD is awarded to a student in the junior class who is outstanding in scholarship, leadership, character and service to Lincoln University.



General Information

COCURRICULAR AND STUDENT ACTIVITIES

The program of Lincoln University includes formally organized and informal student activities. Many such activities are centered in the Student Union under the direction of the Director of Student Activities. General student opinion is expressed through the Student Government Association and this organization sponsors many of the activities on the campus. From the variety of activities, the student is free to participate in those which appeal to his or her own interest.

The Lectures and Recitals Committee brings to the campus a variety of distinguished musical productions and lecturers. Each year the various student and university organizations sponsor a varied program of events with a wide range of appeal.

Students work with the Lectures and Recitals Committee in choosing programs and the various student organizations are also free to bring speakers of interest to the campus. Programs are arranged for the entire student population as well as for special interest groups. Large attendance programs are held in the University's Mary Dod Brown Memorial Chapel. Special interest meetings and events are held in any one of several lecture halls available in Wright Hall, the Student Union, and the fine arts building.

Included in the program of the Student Union is a series of foreign and American films.

THE VARSITY CLUB, composed of students who have won their "L" in any sport, fosters student morale and encourages good sportsmanship.

THE LINCOLN CHAPTER OF THE ALPHA KAPPA ALPHA HONORARY FRATERNITY IN PHILOSOPHY sponsors discussions of philosophical topics.

THE ALPHA CHAPTER OF THE BETA KAPPA CHI HONORARY SCIENTIFIC SOCIETY elects to membership those students who have met the requirements of the society by completing the equivalent of 64 semester hours of college work, 17 semester hours of which shall be in one of the sciences recognized by this society, with a grade of at least B (3.00). The aims of the society are to encourage and advance scientific education through original investigation, the dissemination of scientific knowledge and the stimulation of high scholarship in pure and applied science.

THE PHI KAPPA EPSILON HONOR SOCIETY has for its purposes the encouragement of high scholarship, the acquisition of knowledge and the ability to undertake accurate research.

The society elects to membership upperclassmen who have a cumulative average of 3.33 (B+) and above for a minimum of three semesters exclusive of their freshman year. The student must submit a research paper or the results of a research project to his major professor and receive the approval of the major professor prior to election. Transfer students must be in residence at Lincoln two semesters before being considered for election.

THE LINCOLN UNIVERSITY PLAYERS generally present two formal productions and at least one informal or workshop performance each year, cooperate in the productions on campus of the Lincoln Community Players, and sponsor other dramatic events on campus. Membership is open to all students who have taken active part in the performance or production of at least two plays. The season generally includes the exchange of productions with dramatic groups in neighboring colleges.

THE THURGOOD MARSHALL LAW SOCIETY was founded on October 2, 1967, the day on which Mr. Justice Marshall took his seat on the Supreme Court of the United States. It sponsors lectures and discussions of law as a profession.

THE TOLSON SOCIETY, named in honor of the late distinguished poet Melvin Tolson who graduated from the University in 1923, sponsors a variety of activities of literary and humanistic concern, among which is a regular discussion program.

STUDENT PUBLICATIONS include *The Lincolnian*, published twelve times a year as an activity of the class in journalism, and *The Lion*, the senior yearbook.

CHAPTERS of the following intercollegiate fraternities and sororities sponsor social and cultural events on campus: Alpha Phi Alpha, Kappa Alpha Psi, Omega Psi Phi, Phi Beta Sigma, Alpha Kappa Alpha, and Delta Sigma Theta.

A CHAPTER of Alpha Phi Omega national service fraternity was installed on the Lincoln campus in May 1967.

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FACILITIES for cocurricular and student activities include the Student Union, the chapel and little theater, the auditorium, the Ladies Auxiliary Guest House, Ware Center, the gymnasium, and grounds. Included are four handball courts; soccer, football and intramural football fields; a baseball diamond and softball field; seven tennis courts.

Game rooms and music listening booths as well as meeting rooms, lounges, bookstore, and snack bar are contained in the Student Union.

MUSIC IN THE COLLEGE

College students not majoring in music may take work in applied music with credit and are invited to participate in the various musical organizations. For fees in applied music, see page 19.

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The University Chorale of 25 to 30 singers provides the music for the Sunday religious services. There is a stipend for participation in this group. The University Chorale prepares: (1) a Christmas program, (2) a spring concert, (3) music for all University convocations, (4) a repertory for the major tour which will take place in the late spring. One hour credit towards graduation is awarded each student who successfully completes the season.

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A program based on the spirituals and music of Negro composers is a seasonal feature.

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For the college nonmusic majors there are: (1) the music organizations referred to above, (2) concerts and recitals presented by the department of music, (3) lessons in applied music — piano, voice, organ, and instruments.

RELIGIOUS INSTITUTIONS AND OPPORTUNITIES

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The Chaplain of the University is charged with the conduct of public worship and, in consultation with the Committee on Religious Activities, with the maintenance and quickening of the religious life of the University. The Chaplain is available to all students for consultation. He also serves as the coordinator of religious activities of the University.

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There are clubs for various denominational groups on campus.

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THE JOHN MILLER DICKEY SERVICE SOCIETY is composed of college students who plan to enter the ministry. It meets once a month for the discussion of religious and social topics.

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THE YOUNG MEN'S CHRISTIAN ASSOCIATION cooperates with the national, the state, and the southern branches of the association and promotes locally a program of religious and recreational activity.

CENTER FOR INTERFAITH STUDIES

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The Center for Interfaith Studies at Lincoln University was established in June 1967. The Center was organized to encourage and assist faculty and students in research in the field of religion and interfaith values. It sponsors on or off campus lectures, exhibits, institutes on a variety of themes, programs for the University in cooperation with

other units, presentations of books and materials for the library in terms of resources for interfaith studies and cooperation, conducts study-tours to foreign countries for interested students with "Campus-on-a-Compass" — of which there were three — two of which were in the January 4-1-4 program. The Center has its director and other faculty and student personnel available for universities, congregations, civic groups, etc., for programs and lectures and also publishes a quarterly ecumenical magazine, *The Hourglass*.

THE ATHLETIC AND PHYSICAL EDUCATION PROGRAM

INTERCOLLEGIATE ATHLETICS

The importance of physical education and physical fitness is recognized in the effort made to provide a varied program designed to meet the needs and to reflect the interest of the students. All full-time students are required to take at least three hours a week of physical education during each of the first two years of enrollment unless excused by the University Physician or unless comparable training has been had in the Armed Forces or elsewhere.

The objective of the program of intercollegiate athletics is the development of health, sportsmanship, group loyalty, and wholesome living among the greatest possible number of students.

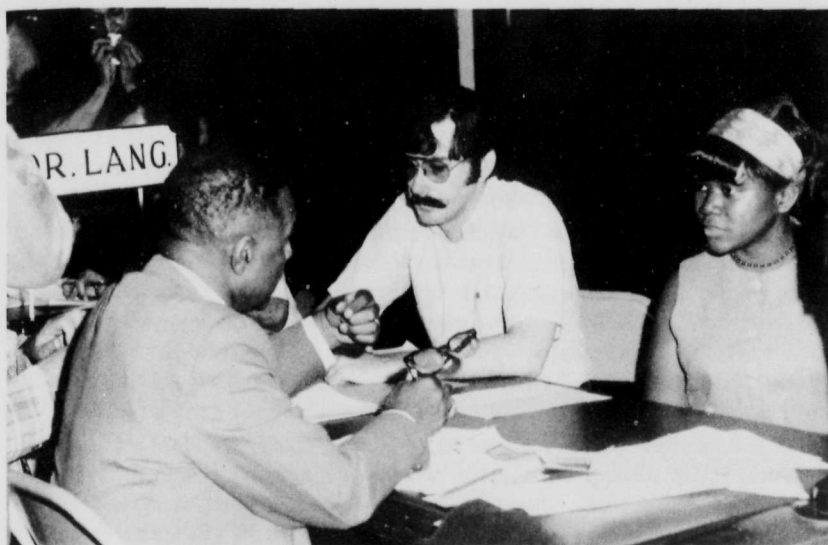
All varsity sports conducted by the University are considered major sports. Any regular student, presently enrolled and carrying a minimum of three full courses of academic work, may participate in varsity sports. To compete in two varsity sports simultaneously, a student must have permission from the Dean and the University Physician.

Participants in intercollegiate athletics are expected to meet the same standards of academic performance, need, and leadership qualities that are required of other students to qualify for financial assistance. Lincoln University belongs to the following conferences: N.C.A.A., E.C.A.C., N.A.I.A., IC4A, and the Delaware Valley Conference. The varsity intercollegiate sports program includes soccer, cross country, basketball, wrestling, baseball, tennis, track, and golf. The women's program includes tennis, lacrosse, volleyball, and fencing.

INTRAMURAL SPORTS

About one-half of those enrolled at Lincoln choose to be involved in an intramural sports program which affords opportunity to all students for active participation in organized physical activities. The program provides recreational opportunities for students and faculty in a variety of activities including bowling, touch football, table tennis, badminton, volleyball, track, softball and basketball. League play and tournaments organized on both team and individual basis are held in most of the activities.

It is hoped that every student will participate in an intramural activity and that, through participation, he will develop a wholesome attitude toward physical activity as a leisure time pursuit.



HEALTH SERVICE

Lincoln University Health Service is under the direction and supervision of a resident physician. An infirmary on campus, where students may receive care for minor ailments from the doctor or nurses, is open twenty-four hours a day. Cases requiring hospitalization are cared for at the Community Memorial Hospital, 2.2 miles from the campus. The University also maintains an ambulance on campus equipped and available for any emergency.

The Health and Medical Fee, which is part of the General Fee, is paid by all students. It is designed to cover the cost of ordinary medical attention, simple prescriptions, and a maximum of ten days hospitalization (limited to room and board) in a school year upon recommendation of the University Physician. The University does not assume responsibility for providing medical care for extended periods and for more than ordinary attention. The student is referred to his personal physician for extended care and treatment. The student must bear the cost of this care and treatment as well as the cost of any medicines, special procedures, and operations.

In addition to the basic health service provided by the University, there is an Accident and Sickness Insurance Plan available to all full-time students. (This insurance is mandatory for all full-time students unless waived by the students' parents.) The period of coverage for this insurance is year-round from date of registration through August 31, regardless of where the student is living.

Before final admission, each student is required to have a comprehensive medical examination. It is the responsibility of the student to have the Health History Record, supplied by the Office of Admissions, filled in and signed, preferably by his family physician.

INTERNATIONAL PROGRAMS

Lincoln University has had an international orientation since its inception in 1854 as Ashmun Institute. The Reverend John Miller Dickey and other leaders in the American Colonization Society had as their original purpose in founding the Institute the training of young missionaries for service in Africa. Three members of the first graduating class of 1859 went so to serve in Liberia.

Lincoln University was also one of the first, if not the first, institution of higher education in this country to welcome students from Africa. Among the many distinguished African alumni of Lincoln University are heads of state, foreign ministers and diplomats, clergymen, educators, doctors, lawyers, financiers and industrialists who, in serving the newly emerging nations of Africa, have given Lincoln a unique reputation on that continent.

That tradition continues to be a characteristic feature of Lincoln University. Its library contains a notable collection of American Negro and African literature, periodicals and documents of research value, and four significant collections of African art and artifacts. Its curriculum and special programs also reflect that orientation.

The African Center, the first institution of its kind in the country, provided special educational opportunities for refugee students from areas of Africa which still have colonial or territorial status. Students from Angola, Bechuanaland, Mozambique, Republic of South Africa, Rhodesia, Somalia, South West Africa, Sudan, Swaziland, Tanzania, Zambia, Basutoland, Spanish Guinea and Ruanda were represented in this program.

Early in 1963, Lincoln University became the first institution of its size to be assigned a Peace Corps unit. Since then men and women have been trained for service in several African and Caribbean countries.

During recent summers Lincoln University conducted a variety of programs for the African Center students, for foreign students enrolled or about to be enrolled in other colleges and universities, and for students commuting from nearby communities.

The African Language and Area Studies Program sponsors a variety of courses and special projects in African studies. The services of this program are available to students from other colleges in the area and provide unique opportunities to prepare for graduate training or vocational opportunities related to Africa.

The international and interracial character and tradition of the University offer students interested in human relations, civil liberties, political science and international affairs an unusual opportunity for developing the sensitivity which gives more than academic value to a curriculum rich in African studies, political and social science, and the humanities.

SPECIAL PROGRAMS AND SERVICES

Lincoln University cooperates with and serves other area institutions through exchange of students or exchange of faculty. These programs have provided extramural as well as intramural enrichment in the subject matter fields of African history, politics, ethnology, Negro or Black history, literature, and fine arts. Cooperating colleges include Haverford College and Franklin and Marshall College.

AMERICAN STUDIES INSTITUTE

The American Studies Institute holds an annual summer conference on the Lincoln University campus drawing both faculty and students from various parts of the country and abroad. The summer institute offers advanced work in some special aspects of American life.

Most of the participants are teachers or professors from other institutions. While at Lincoln during the summer weeks, they participate in a program of lectures, demonstrations, field trips, and special panel discussions.

A number of Lincoln faculty members participate in the summer institute which gives special emphasis to the cultural history of Black America.

INSTITUTE FOR COMMUNITY AFFAIRS

The Institute for Community Affairs was organized in 1967, supported by a grant from Title I of the Higher Education Act of 1965.

The aim of the institute is to bring Lincoln University closer to the local communities which surround it. It serves as an instrument for continuing education, especially in majority-minority relationships, as an avenue for community service, as an innovator and stimulator of community action, and provides the community with University sources for research, consultation, and help in community endeavors.

COLGATE-LINCOLN EXCHANGE PROGRAM

This is a program of enrichment which includes student and faculty exchanges during the regular term and the January Term. Joint student conferences, faculty lectures and consultations on academic matters are also a part of the program.

PLACEMENT CENTER

The Placement Center, located in the basement of Houston Hall, assists students with career and graduate school planning, provides summer employment opportunities for students, and invites to campus a number of representatives from industry and professional and graduate schools for job interviews with seniors.

Graduates of the University are also encouraged to make use of this service provided by the Center.

LINCOLN-PRINCETON PROGRAM

This is a cooperative program between Lincoln University and Princeton University under Title III of the Higher Education Act which provides for faculty growth, through faculty exchange and graduate

study, as well as for National Teaching Fellows to supplement instruction on the Lincoln campus.

The program also includes consultant services in administration and curriculum development as well as a provision for the intellectual and cultural enrichment of students through cocurricular activities.

THIRTEEN COLLEGE PROGRAM

This is an experimental educational program for thirteen selected colleges under Title III of the Higher Education Act and sponsored by the Institute for Services to Education (ISE).

The program provides for the training of teachers from each of the thirteen institutions involved, for curriculum and guidance material for the 50 to 100 students selected on each campus and for the cultural enrichment and orientation of new faculty.

YALE-LINCOLN PROGRAM IN PUBLIC HEALTH

A cooperative program between Lincoln University and Yale University's School of Epidemiology and Public Health.

Lincoln University students are accepted for admission to Yale's School of Public Health at the end of their junior year at Lincoln. Providing the student successfully completes his senior year at Lincoln with appropriate counseling and guidance, he is admitted to Yale's School of Public Health with a two-year fellowship in a program of study leading to the degree of master of public health (M.P.H.).

Recruitment, selection and advisement of students for this program are carried on by a joint committee composed of Lincoln and Yale faculty, administrators and students.

BUILDINGS

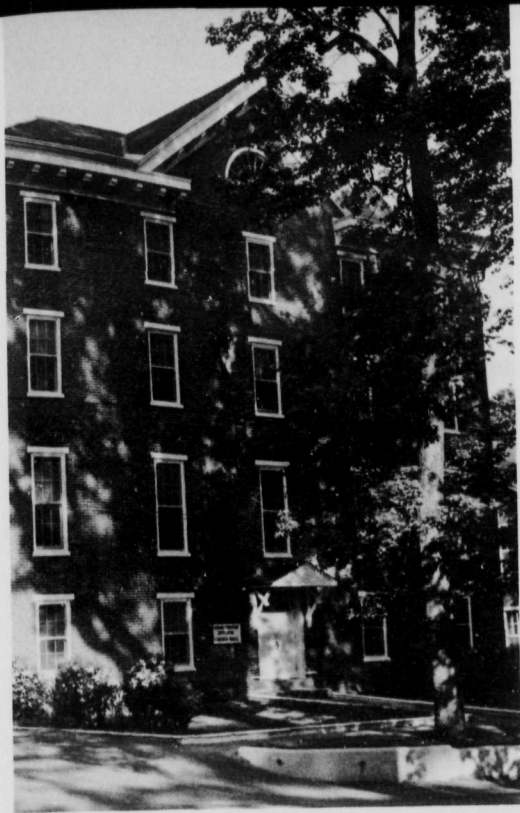
VAIL MEMORIAL LIBRARY is centrally located on the campus. The capacity of the original library, as opened in 1899, was doubled by the construction of a wing, and the original structure was renovated in 1954.

The open-shelf book collection of more than 125,300 volumes (including bound periodicals) is well distributed throughout the major branches of knowledge. The current rate of additions is approximately 7,000 volumes per year. About 875 periodicals are currently received.

Reading and study facilities conform to standards prescribed for institutions of Lincoln's size. In addition to reference rooms there is a browsing room with an open collection of books of general interest. There are seminar rooms for small conferences and study groups.

There is a special collection of Negro and African literature, including Negro history and sociology, in addition to the entire library of the late Langston Hughes. The library also houses the Susan Reynolds Underhill Collection and three other collections of African art and artifacts.

WARE FINE ARTS CENTER includes a modern language laboratory; a library of recordings, tapes and films; a small auditorium with a



projection room and large screen television, high-fidelity radio, and phonograph equipment for the study of the fine arts and cinema; a practice room for choral and instrumental music; seminar and class rooms, including special facilities for public speaking and debate; a little theater designed for easy conversion to each of the three main types of theatrical production (arena, open and proscenium arch); a studio of the fine arts, a combination lobby and gallery for art exhibits, fourteen small practice and listening rooms, offices for faculty members.

THE LIFE SCIENCES BUILDING, erected in 1925 with funds contributed by the Alumni Association and other friends including the General Education Board and Mr. Pierre S. duPont, was doubled in size and completely modernized in 1968 with a grant from the Longwood Foundation and is equipped for study and research in the life sciences including anthropology, biology, geology, and psychology. The building also houses a modern computer center.

UNIVERSITY HALL is a three-story brick structure built in 1891 and recently reconditioned for lecture and recitation purposes and offices for faculty members.

WRIGHT HALL, built in 1960, is named in memory of Walter Livingstone Wright, who served successively from 1893 to 1945 as professor of mathematics, vice president, and president. It is equipped with modern facilities for teaching and for research in the physical sciences and mathematics.

THE MARY DOD BROWN MEMORIAL CHAPEL, gift of the late Mrs. Susan Dod Brown of Princeton, N.J., is a Gothic structure of dark red brick built in 1892 and containing an audience room for 400 persons, a Little Theater with a seating capacity of 200, and other facilities.

THE AUDITORIUM, built in 1935 with funds contributed by Miss Susan Gorges, members of the alumni, and the General Education Board, is used for physical education activities and social events.

GRIM GYMNASIUM, made available by the Federal Works Agency, as part of the Veterans' Educational Facilities program, was completed in 1947.

THE STUDENT UNION was completed in January of 1964. It serves as a center for all cocurricular activities and includes the main dining hall for all students, a dining room for smaller groups, a snack bar, the bookstore and student post office, lounges, game rooms, and meeting places for student activities.

LINCOLN HALL, built in 1866 and completely remodeled in 1961-1962, houses the administrative offices including the offices of the president, the vice presidents, the provost, the deans, the registrar, admissions, business, financial aid, and other offices.

LADIES AUXILIARY GUEST HOUSE was built and furnished in 1954 with funds raised by the Ladies Auxiliary of Lincoln University to provide accommodations for overnight guests and for group activities.

DORMITORIES

The University buildings used as dormitories accommodate about 850 students. Each room is provided with the essential articles of furniture such as desks, chairs, tables, and beds. Repairs are made by the University but extraordinary damage is corrected at the expense of those who occupy the rooms.

Each student must bring with him three pillowcases, four sheets for single beds, and sufficient blankets and towels, all marked with the full name of the student. Sheets and pillowcases are laundered by the University without additional charge to the student. Coin machines for washing and drying clothes are installed in six of the dormitories; commercial laundry facilities are available in nearby Oxford.

Students who reside in the dormitories take their meals in the dining hall.

ALUMNI HOUSE, formerly used as a residence for the president of the University, now provides housing facilities for 18 students.

CRESSON HALL was built in 1870 with funds secured from the Freedman's Bureau through the efforts of General O. O. Howard, then a trustee of Lincoln University. It was reconditioned and refurnished in 1961 and 1966.

HOUSTON HALL was erected in 1881 as a gift of the late H. H. Houston of Philadelphia.

RENDALL HALL, erected in 1931, was named in honor of two former presidents of the University, Isaac N. Rendall and his nephew, John B. Rendall, and built with funds provided by the General Education Board, the Julius Rosenwald Fund, Miss Carolina Hazard, Mr. Pierre S. duPont, Mr. J. Frederick Talcott, and other generous friends.

McCAULEY HALL is a three-story brick building erected in 1904 as a gift from the late Dr. Thomas McCauley and Mrs. Mary D. McCauley. It served as the University dining hall until the Student Union was completed in 1964. It now houses 40 students.

McRARY HALL was built in 1956 to accommodate 126 students.

ASHMUN HALL was opened in 1966 housing 110 students.

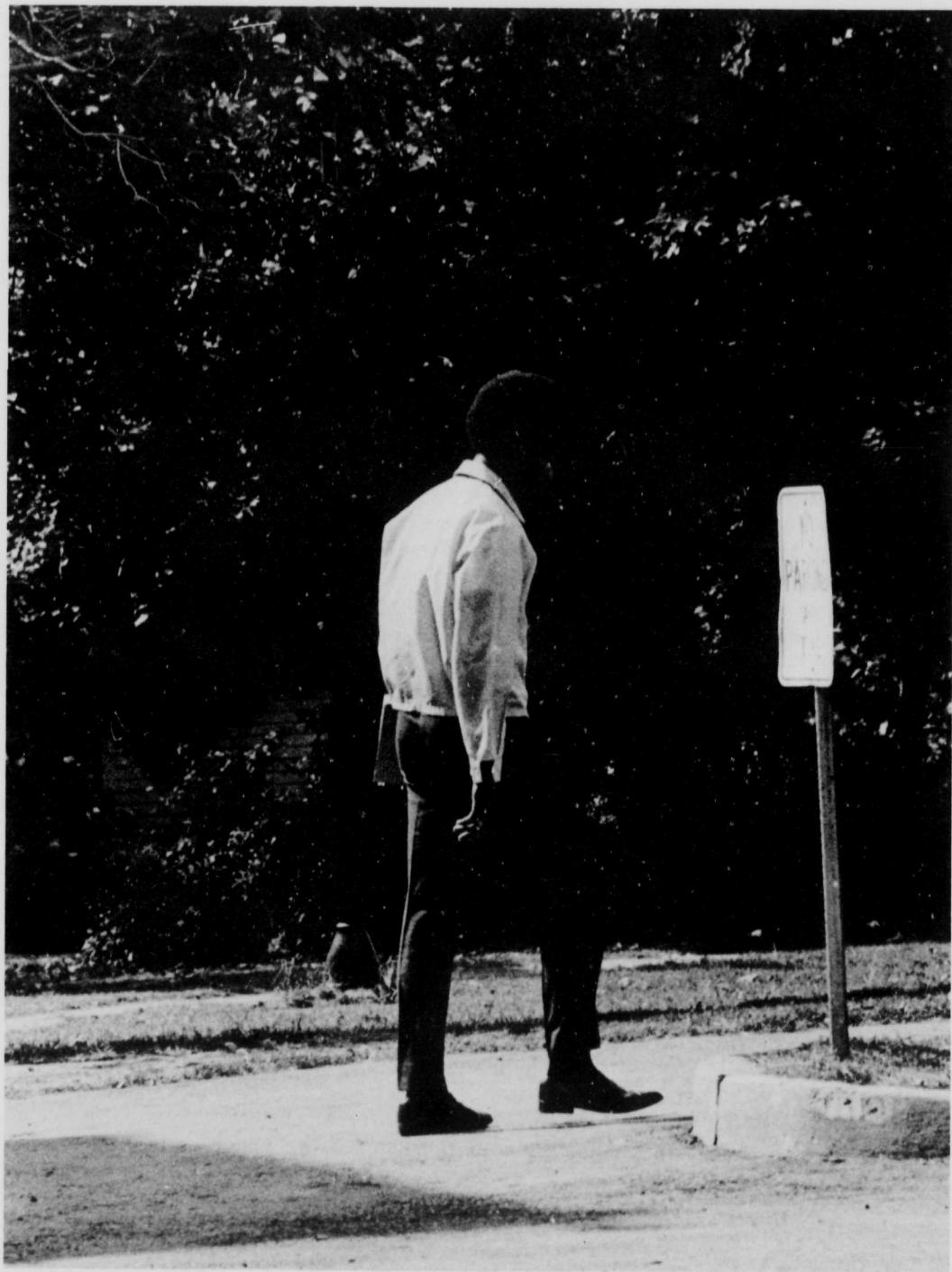
FREDERICK DOUGLASS HALL was opened in 1968 housing 129 men.

A new dormitory was opened in 1967 housing 135 women.

FACULTY HOMES AND SERVICES FACILITIES

Twenty-one buildings on campus are used as residences for faculty, administrators, and other members of the University staff.

A new central heating and auxiliary maintenance shop was completed in the spring of 1963 and a storage building in 1965.



University Regulations

ACADEMIC REGULATIONS

ELECTION OF COURSES

Lincoln seeks to maintain its traditional role in preparing students for service to society at home and abroad by requiring courses in each of the broad fields of human knowledge, by providing an extensive program of cocurricular and student activities, and by requiring the study in depth of a single field of concentration. This philosophy is reflected in the requirements for graduation outlined on page 52.

All students should therefore consult their faculty adviser before making a final choice of courses. Freshmen are assigned faculty advisers by the Dean and Registrar when they enroll based upon their vocational intent as expressed in their application for admission. In the event a student's vocational interest changes, the student is assigned another adviser in keeping with this changed interest.

In general, sophomores keep the same adviser they had as freshmen.

The responsibility of advising students on courses to pursue or to drop is that of the chairman of the major department but the student may be assigned to another member in the department by the chairman.

The normal load as a full-time student each semester is 4 courses plus physical education and a project in the January Term. The minimum load to be registered as a full-time student is three courses. Students are not permitted to carry over four and one-half courses without the consent of their adviser and the approval of the Dean and Registrar. Extra tuition charges are levied for those who enroll with permission in more than four and one-half courses.

Juniors and seniors may enroll in five courses, one of which may be graded on a Pass-Fail basis. The student must indicate at the time of registration his or her desire to enroll on a Pass-Fail basis in this one course.

Students must consult with their faculty advisers before dropping a course or changing courses. All such changes must be made in the office of the Registrar.

Students shall be permitted to change courses each semester without penalty within ten days after classes are in session.

Students shall be permitted to drop courses without penalty of failure at any time up to the final examination period by notification of the Registrar, the student's adviser and the instructor. If a student cannot change to another course after having dropped one, he shall be allowed to audit the course that he drops.

Students transferring to Lincoln University must satisfy its requirements for graduation. At least four courses in the major field must be taken at Lincoln University; the requirement of a laboratory science and its prerequisites and the foreign language requirement must be satisfied. No exceptions will be granted to these regulations save by vote of the faculty upon recommendation of the Committee on Academic Standing.

REQUIREMENTS FOR MAJOR STUDIES

1. The specific major requirements of a department will be found preceding the list of that department's courses in the catalog.

2. Students must confer with the chairman of the department in which they plan to major not later than their fourth semester in college.

3. Applications to major must be made in writing by the student on cards provided by the Registrar and filed in the Registrar's office before the student registers for his fifth semester. Transfer students with the equivalent of four semesters of college work must declare their major at the time of entrance.

4. For partial fulfillment of graduation requirements a major will consist of a maximum of twelve courses with a minimum cumulative average of 1.70 (C-) or better in the field or in an interdisciplinary major.

5. At the discretion of the department, a maximum of two courses may be taken in related fields and credited toward the major.

6. Once accepted as a departmental major, a student may remain as a major in that department so long as he continues in college and providing he has a cumulative average of 1.70 (C-) or better in his major field. Student candidates may be rejected by a department for scholastic reasons only.

7. In addition to satisfactorily meeting the course requirements for a major and maintaining the average required, a student must satisfy minimal departmental achievement requirements for passing the area and major field tests of the Undergraduate Record Examination Program.

8. A student may change his departmental major with the consent of his adviser and the Dean and Registrar.

9. Each student has the responsibility for filing credentials as a major, as well as having the course selections approved and initialed each semester by the department chairman or his representative.

10. The department chairman or his representative may merely advise students regarding elective courses. The elective privileges of a student must not be abridged.

HONORS PROGRAM

An honors program, directed by the department in which the student specializes, has been in effect since September 1961. The Curriculum Committee or the honors council will appoint an advisory committee for each student participating in the program.

Students selected for the program must have shown exceptional ability by establishing a 3.00 (B) average or better for a minimum of three semesters at Lincoln. They must maintain a 3.00 (B) average or better and, upon completion of their work, submit in writing to the Curriculum Committee or Council a summary of the work pursued and take an oral examination given by the Council. Upon satisfactory completion of the written summary and oral examination, the student will be recommended for graduation *with distinction* in his major field. This citation will be placed on the student's diploma and so listed in the commencement program.

TERMS AND VACATIONS

Beginning with the school year 1968-69, Lincoln adopted the 4-1-4 program which calls for a first semester term of approximately fifteen weeks, a January Term of four weeks followed by a second semester of approximately fifteen weeks. There is a Thanksgiving recess of four days, a Christmas recess of two weeks. A spring vacation of one week is scheduled during the Easter season.

THE JANUARY STUDIES PROGRAM

The January Term gives a student the opportunity to explore any one of a variety of fields of knowledge according to his wishes, desires, interests and needs as he may determine them. There will be a great deal of opportunity for individual study. A student works on one project during the January Term. Most of the projects will be on campus but there will be opportunities for students to pursue group and individual projects off campus. Although most projects will be suggested by faculty members, students are encouraged to create their own projects and devise their own methodologies. The main requirement is that the project will provide a substantial educational endeavor for the student. Lincoln will have exchanges in the January Term with six colleges in a consortium and a few other colleges on an individual basis.

A separate catalog which lists the January projects and the conditions under which they may be taken is provided at the beginning of the school year. Catalogs from the colleges with which Lincoln has exchanges will be available before registration.

RULES AND REGULATIONS — JANUARY TERM

1. Satisfactory completion of a January project for each year at Lincoln, beginning September 1968, is required for graduation.
2. All evaluation for work done in the January Term will be on the scale of Pass (P)-Fail (F).
3. No student may offer work done in the January Term as course credit in the regular term.
4. No student may enroll, during his tenure at Lincoln, in more than two January courses in his major field, except by permission of his department chairman and the academic dean.

5. A student's January Term must be approved by his regular adviser and the faculty member involved.

6. Students are required, except in cases of off campus student groups, to be in residence during the month of January. Any student desiring to study off campus must have the specific written permission of his parents. This provision may be waived for students who are over 21 years of age and are self-supporting. Under normal circumstances, the student desiring off campus study privileges must have at least sophomore standing.

7. A student or group of students who wish to work on a project which is not listed in the catalog may do so if a faculty member will approve the plan and agree to supervise it.

8. All full-time students are required to work on a project in the January Term.

9. If a student could not take the January Term because of illness or if he fails the January Term, he must make it up in summer school. His intent must be registered with the Registrar. He must secure the approval of the departmental chairman in his major field or, if he is an underclassman, his adviser. If his adviser is not available he must secure the permission of the academic dean.

10. If a student fails to do a January project he must come back to take a project in another January Term in another year.

Failure to do a project means:

A. A student does not sign up for a project.

B. After signing up he does not report to the project.

C. He drops a project.

D. He flagrantly declines to do the work required by the project.

Interpretation of these regulations rests with the Committee on Academic Standing. Any appeal is decided by this body.

EXAMINATIONS

Two series of stated examinations are held each year; the first semester examination in December and final examination in May. Those absent during these examination periods may, with the permission of the Dean of Students, take special examinations to be given as soon as possible after the stated examination period.

A student may not absent himself from a term examination without a written permit from the Dean of Students. Upon presentation of such a permit a student is allowed to take the examination at a later date without fee. If he fails to take it then, he must either repeat the course or lose credit. A student who absents himself without procuring a permit will be given a failing grade.

Mid-semester examinations are also held each term to give both the student and the teacher an indication of progress achieved during the first half of each semester. The parents of students with unsatisfactory standing at the end of these testing periods are notified by the Dean and Registrar.

Other examinations are given as planned by the instructor.

COMPREHENSIVE EXAMINATIONS

All prospective graduating seniors are required to participate in the Undergraduate Record Examination Program for Counseling and Evaluation, such participation consisting of taking the area, aptitude and major field tests where available in this program.

GRADES AND ACADEMIC STANDING

Lincoln began a new grading system in 1967 as follows:

A+	(4.30)	B+	(3.30)	C+	(2.30)	D+	(1.30)
A	(4.00)	B	(3.00)	C	(2.00)	D	(1.00)
A-	(3.70)	B-	(2.70)	C-	(1.70)	F	(0)

Where the A+ (4.30) represents the highest possible grade (outstanding), D (1.00) is the lowest possible passing grade, and F (0) is failure. For comparison with the old Lincoln system A (4.00) is equivalent to 1.0 (old system); B (3.00) to 2.0; C (2.00) to 3.0; D (1.00) to 4.0; and F (0) to 5.0.

Grades earned during the January Term shall be on a Pass (P)-Fail (F) basis and thus will not be figured in determining the student's cumulative average.

Courses offered by the various departments are weighted as follows: 4 for a full course, 3 for a three quarter course, 2 for a half course and 1 for a quarter course.

The general standing and rank of a student, academically, is determined by multiplying the numerical grade received in each course by the weight attached to the course and dividing the sums of such products by the total weight. The total number of courses completed will be the sum of the course weights divided by four.

Instructors are expected to turn in all grades at the end of each semester to the department chairman within 48 hours of the final examination in the case of seniors and within 72 hours for all other students.

Instructors shall not record Incomplete grades unless there is verification of illness, death in the family, or some unusual circumstance. In all such cases the instructors must report the reason for the Incomplete grade and the time in which the work is to be completed to the chairman of the department and to the Dean and Registrar. Verification of illness and other extenuating circumstances must be in writing and are the responsibility of the student.

Instructors who report Incomplete grades, to assist the faculty adviser and the student, must include a grade in parenthesis which reflects the quality of the work completed by the student, thusly: I (D).

Incomplete grades automatically become F one month after the close of the semester or term in which recorded, and the Registrar is authorized to record this change on the permanent record of the student.

In the assigning of semester grades to students involved in inter-

collegiate, cooperative or exchange programs, semester-away from campus or year-abroad programs, the grade recorded in the Registrar's office and counted in the student's cumulative average shall be the grade assigned by the participating member of the Lincoln University faculty. If the Lincoln University faculty member does not participate in assessing or assigning the course grade, the grade of the adjunct instructor shall be recorded as a transfer grade but not counted in the student's cumulative average.

Students who enroll in fewer than three courses or drop courses and carry fewer than three courses for credit in any one semester are considered part-time students. Full-time students who become part-time students are not eligible the following semester for senatorial scholarships or financial aid and are subject to the requirements for reporting attendance to Selective Service in keeping with SS 109.

A student is considered in good standing providing he is carrying at least three courses for credit each semester and/or a January project, and has satisfactorily met his financial obligations to the University as certified by the Comptroller.

DEAN'S LIST

Students with semester averages of 3.33 (B+) and above will be honored by having their names placed on the semester Dean's List.

Students with semester averages of 3.00 (B) to 3.32 will be listed as Honorable Mention — Dean's List.

CLASSIFICATION OF STUDENTS

The freshmen and sophomores constitute the lower classes; the juniors and seniors the upper. No freshman will be advanced to the sophomore class until he has passed his assigned work in humanities. At the end of the sophomore year the record of all students will be carefully examined. Those who have an average of 1.70 (C-) and who show promise of future development will be advanced to the upper classes.

Students are classified as follows:

Freshmen: those who have completed less than 8 semester courses and one January Term.

Sophomores: those who have completed from 8 to 16 semester courses and one January Term.

Juniors: those who have completed from 16 to 24 semester courses and two January Terms.

Seniors: those who have completed more than 24 semester courses and three January Terms.

Unclassified: students who have transferred from other colleges, but whose transfer credits have not yet been evaluated; and students who are pursuing studies at the University, but are not candidates for a degree.

REGULATIONS FOR THE CONTROL OF ABSENCES

Lincoln University uses the class method of teaching which assumes

that each student has something to contribute to, and something to gain from, attending classes. It further assumes that there is much more instruction absorbed in the classroom than can be tested on examinations. Therefore:

1. Students are expected to attend all regularly scheduled class meetings and should exhibit good faith in this regard.

2. It is not sufficient for a student merely to pass the examinations which are conducted in a course.

3. Irregular attendance may affect the student's grade, in view of the continuing relationship that exists between classroom participation and total course performance.

4. Each faculty member of the University involved in classroom instruction shall assess his or her requirements regarding class attendance and shall inform students of these regulations at the beginning of each semester and also not later than three weeks after the beginning of each semester.

Students on the Dean's List shall be exempt from the above regulation.

PROBATION AND DISMISSAL

In its efforts to maintain high academic standards the University reluctantly resorts to dismissal or probationary status for students who are unwilling or unable to maintain acceptable standards.

Freshmen and sophomores are placed on academic probation if they fail to maintain a cumulative average of 1.60; juniors and seniors are placed on probation if they fail, at the close of any semester, to maintain a cumulative average of 1.70 (C-). The student will be notified of his status in writing by the Dean and Registrar. Probationary status must be removed by raising the cumulative average to those minimum figures within one year after notice of probationary status. Students who fail to remove the probationary status are notified by the Committee on Academic Standing after review of their individual cases.

Students on probation may not carry more than three and one fourth ($3\frac{1}{4}$) courses.

A student whose academic average after five semesters is not 1.70 (C-) or better and who, for the balance of his college career, must earn an average better than any previously achieved, will be placed on probation for one semester. If the required average is not attained during the semester of probation the student will not be permitted to return. The same procedure shall apply to students after their sixth and seventh semesters.

Only those students whose cumulative average is 1.70 (C-) or better will be considered for graduation. If a student fails to earn the 1.70 (C-) average required during his eighth semester, he shall be permitted not more than ten semesters to attain that average.

Students, except freshmen, who fail as many as three courses in any semester shall be suspended from the University.

Readmission after academic suspension shall be considered only upon written application by the student to the Committee on Academic Standing.

REQUIREMENTS FOR GRADUATION

Starting with the freshman class entering in September 1968, the minimum requirements for graduation from Lincoln University shall include the following:

1. Four semesters of a prescribed course in the humanities conceived as interdisciplinary in nature.
2. Three semesters in three separate disciplines in the social science division. An interdisciplinary course may serve as one option in meeting this requirement.
3. Satisfactory completion of the second-year level of college work in a language other than English, as evidenced either by completing second-year courses or by satisfactorily passing a proficiency examination approved by the appropriate language department.
4. A minimum of three semesters in the division of natural sciences and mathematics, two semesters of which must be in a single laboratory science and the third of which must be in a course in this division.
5. Four semesters of physical education.
6. A major field of study in which 8 to 12 courses have been completed with a grade average of C or better.
7. The completion of 9 to 13 elective courses.
8. The satisfactory completion of four January Term projects with a grade of Pass.
9. Participation in the Undergraduate Record Examination Program for Counselling and Evaluation.

Upon the satisfactory completion of 32 academic courses with a minimum grade average of 1.70 (C-) and four January Term projects, the student will be recommended by the faculty to the Board of Trustees for the degree of Bachelor of Arts.

Diplomas are issued only at the June commencement. A student may complete the requirements at the end of either semester, provided the last two semesters are taken at Lincoln University.

Students with a cumulative average, for a minimum of six semesters at Lincoln University, of 3.70 (A-) and above shall graduate *summa cum laude*; and those with a cumulative average of 3.00 (B) to 3.34 for a minimum of six semesters at Lincoln University shall graduate *cum laude*.

The Committee on Academic Standing, in cooperation with the Registrar and faculty adviser, shall have the power to determine course requirements for graduation for those students who have not made normal progress, with the provision that each case shall be considered on its own merits.

As far as possible, students shall be expected to satisfy the course requirements for graduation in force at the time of their entrance,

but no student shall be prevented from graduating as a result of the transition if the schedule makes it impossible to meet the course requirements that were in effect when his class entered.

GENERAL REGULATIONS

Each student who is admitted to Lincoln University enters into a mutual agreement with the University. For this reason each student should thoroughly understand the fundamental concepts which guide the relationship between the student and the University.

As a part of this mutual agreement, the University assumes the responsibility for providing instructors, classrooms, library facilities, living units, and other resources for a program of higher education. The students, on the other hand, having accepted the privilege of admission to Lincoln University, assume the responsibility for making use of these resources for their intended purpose.

To be a student at Lincoln University is a privilege. As such, any student who enrolls in the University should be aware that the University reserves the right after due process to dismiss him if he does not abide by the rules and regulations of the University and the laws of the state of Pennsylvania and the nation. Penalties for violations of regulations may vary from a fine or reprimand to expulsion. Penalties are determined by the appropriate administrative officer or the appropriate committee on student discipline.

Each student, therefore, must assume the responsibility for always behaving in such a way as to reflect creditably upon the University. No student possesses the right to interfere with the achievement of the scholastic goals of his fellow students. To deal lightly with this responsibility is to risk the loss of membership with this University.

On this campus, certain standards exist for the advancement of the University community. The standard of conduct for students at Lincoln University includes the following:

GUIDE TO UNIVERSITY REGULATIONS

1. Use of Drugs

Students are expected not to use or have in their possession any drug which is illegal according to federal or state law. Students who, after due process, are found guilty of violation of this regulation are subject to suspension or expulsion. (Students involved in such action are also liable to civil action.)

2. Alcoholic Beverages

The possession or use of alcoholic beverages on University property is prohibited by state law to persons under 21.

a. The University does not prohibit the lawful keeping and the consuming of alcoholic beverages by its adult students (over 21 years of age) when this is done moderately. In no way should this be interpreted to mean that the University encourages the use of alcoholic beverages. Furthermore, the University deplors their abuse and considers intoxication, disorder, or bad manners arising from the use of alcoholic beverages to be particularly serious offenses which will

subject the student to University disciplinary action.

b. The use of alcoholic beverages is forbidden by the University at all academic functions, in classrooms, in the Library, in laboratories, and in the Chapel and at all cocurricular and athletic events.

c. The University prohibits students and student organizations of the University from furnishing alcoholic beverages to a minor and from soliciting from a minor funds to be used directly or indirectly for the procurement of alcoholic beverages.

d. The use of any University facilities in conflict with the above stated regulations must be cleared through the Office of the Dean of Students.

3. *Gambling*

Gambling is prohibited by state law. Any form of gambling is prohibited on University property. Violators will be subject to disciplinary action (and are liable to civil action).

4. *Firearms*

Firearms and explosives are not allowed on University property and may not be stored in automobiles or elsewhere on the campus of the University. Violators are subject to expulsion.

5. *Fires and Fire Equipment*

a. Any person committing arson is subject to expulsion.

b. Ringing "false" fire alarms and misuse of fire equipment are prohibited by state fire laws. Students violating these laws will be subject to expulsion.

6. *Theft*

Students who are found guilty of stealing or illegally possessing either University property or property belonging to other students will be required to return the property or its equivalent value and shall be subject to expulsion. Students making use of property belonging to another person without that person's permission will be subject to suspension. (Students involved in such actions are also liable to civil action.)

7. *Reproduction of Materials*

Students are not permitted to reproduce, copy, tamper with or alter in any way or form, any writing, record, document or identification form used or maintained by Lincoln University. Students who make or cause to be made "false reports" in official statements shall be subject to suspension or expulsion.

8. *Defacing of Property*

Permanent defacing of any property on the Lincoln University campus is not permitted. Violators will be subject to disciplinary action.

9. *Smoking*

Smoking is prohibited in all areas as posted, according to the fire insurance code.

10. *Health*

The University may require students, at stated times, to take innocula-

tions, vaccinations, examinations, etc. for the protection of health. Failure to comply may result in disciplinary action.

11. Disorderly Assemblages or Conduct

a. Students shall not create disturbances involving physical or mental harm to themselves, to other persons and their possession, or damage to University property. Students shall not assemble in such a manner as to forcibly prevent the free movement of other persons about the campus, or prevent the normal operation of the University.

b. Students who provoke or participate in fights are subject to suspension or expulsion.

12. Soliciting

Students are not permitted to sell goods or serve as a salesman in the residence halls or any place on the campus without informing the Office of the Dean of Students prior to sale of goods or service.

13. Social Events

All social events should be cleared through the Office of the Director of Student Activities.

14. Special Regulations

There are special regulations governing parking, dormitories, Greek letter organizations, and student clubs. Details are printed in the student handbook.

15. Residence Requirements

All students are required to live and board on campus with the following exceptions:

a. Student living at home with their parents or legal guardian within a 25 mile radius of the campus.

b. Students 21 years of age or older who have permission from the Dean of Students.

c. Married students who have established their own family household.

d. If there is no space available in the residence halls, students who are granted permission to live off campus will be required to move on campus when dormitory spaces become available.

16. Residence Halls During Vacation Periods

Residence halls will be closed during vacation periods. Special arrangements must be made by the student with the Office of the Dean of Students for University accommodations during such periods. Request for this type of accommodation must be made at least two weeks prior to the vacation period.

17. Keys

The unauthorized possession of keys to any university property is forbidden. Violators will be subject to disciplinary action.

18. Switch blades, hunting knives, machetes, bayonets or related type blades of swords are not allowed on University property, and they may not be stored in automobiles or elsewhere on the campus of this university. Violators are subject to expulsion.



Programs of Study

The 4-1-4 program is arranged so that each student enrolls in four courses during the fall semester and the spring semester with a January Term in which a single project is undertaken.

The program is designed to give flexibility in the selection of courses in the area of general education and students are advised to make these selections carefully and with the help of their adviser.

The schedule of courses for freshmen and sophomores is designed to provide a broad general background in the liberal arts and to encourage the exploration of various disciplines required for intelligent choice of an area of concentration. Courses in general education required for graduation (listed on page 52) are identical for all students and should be completed as early as possible, preferably during the first two years. The schedules would be approximately as follows.

Freshman Year
Humanities 101-102
Foreign Language or Social Science
Laboratory Science
Elective

Sophomore Year
Humanities 201-202
Foreign Language
Social Science
Elective

Physical education is presently required of all freshmen and sophomores.

For juniors and seniors the course selections will be largely determined by the department in which they have been accepted as majors. The student, however, is responsible for meeting the requirements for graduation as listed on page 52.

I. PREPARATION FOR ENGINEERING

Lincoln University has entered into agreements with Drexel University, Lafayette College, and Pennsylvania State University to enable students to earn both a bachelor's degree from Lincoln University and an engineering degree from the cooperating institution at the end of five or six years. This greatly reduces the disadvantages of overspecialization inherent in a four-year engineering education and provides both a liberal and a professional education at minimum cost.

In the case of Lafayette College or Pennsylvania State University, the plan provides for three years of study at Lincoln University where liberal arts subjects and pre-engineering courses in mathematics, science and related subjects are taken. The last two years are spent at

Lafayette College or Pennsylvania State University where the engineering requirements are completed.

The agreement with Drexel University provides for three years of study at Lincoln University and three years at Drexel, under a cooperative engineering plan whereby the student spends six quarters in school and five quarters working in industry.

Under these agreements an engineering degree may be earned in administrative engineering, aerospace engineering, agricultural engineering, chemical engineering, civil engineering, electrical engineering, mechanical engineering or metallurgical engineering.

Three-year program for Pre-Engineering

FRESHMAN

First Semester
 General Physics (Lab)
 *Calculus or Introductory
 Mathematics
 Humanities
 Foreign Language
 Physical Education

Second Semester
 General Physics (Lab)
 *Calculus or Introductory
 Mathematics
 Humanities
 Foreign Language
 Physical Education

SOPHOMORE

Introductory Modern
 Physics (Lab)
 Calculus
 Humanities
 Social Science
 Physical Education

Intermediate Electricity &
 Magnetism (Lab)
 Calculus
 Humanities
 Social Science
 Physical Education

JUNIOR

Mechanics
 Thermodynamics
 General Chemistry (Lab)
 Elective or Calculus

Mechanics
 Engineering Drawing
 General Chemistry (Lab)
 Social Science
 Calculus

*It is strongly recommended that freshmen take calculus in their first year whenever possible, in which case the calculus requirement will be completed in the first two years.

II. PREPARATION FOR INTERNATIONAL SERVICE

Lincoln University has entered into an agreement with the School of International Service of the American University under which a student may, after the successful completion of three years of study at Lincoln and with the recommendation of the University, be admitted to a two-year program at American University. Successful completion of the five-year program leads to an A.B. degree from Lincoln and a Master of International Service degree from American University with a concentration in one of the following fields: foreign service, business representation overseas, church missions, international administration, overseas and international labor, or overseas representation (United States Information Agency or journalism or a combination of both).

First Year
 Humanities 101-102
 Foreign Language
 Laboratory Science
 Mathematics or Social Science
 Physical Education

Third Year
 General Psychology
 Social Science
 2 or 3 courses in major field:
 Economics, History,
 Philosophy, Political Science,
 Religion, Sociology

Second Year
 Humanities 201-202
 Foreign Language
 Social Science or Mathematics
 Elective
 Physical Education

**Fourth and Fifth Year
 at American University**
 2 or 3 courses in major field in
 fourth year
 Fifth year will be planned by the
 student in cooperation with his
 major adviser at American Uni-
 versity
 Depending upon the program se-
 lected, 4 or 5 courses of work
 toward major must be com-
 pleted at Lincoln

If a student should discontinue the program before completing his fifth year, his petition for an A.B. degree from Lincoln will be given individual consideration if he has completed the normal requirements for graduation.

III. PREPARATION FOR THE STUDY OF LAW

The Association of American Law Schools, composed of the eighty leading law schools in the country, suggests that the principal aim of the college course should be to give the student a thorough mental training by means of such fundamental subjects as English, history, the natural and social sciences, and foreign languages.

The student who wishes to enter upon the study of law after completing his undergraduate course should include in his electives the following subjects: economics, English, history, philosophy, logic, political science, public speaking, and sociology.

IV. PREPARATION FOR THE STUDY OF MEDICINE

The Council on Medical Education of the American Medical Association sets forth the following as minimum requirements for admission to a Class A medical school.

<i>Required Subjects</i>	<i>Credits</i>	<i>Lincoln University</i>
Chemistry	12	<i>Equivalent Courses</i>
Physics	8	Chemistry101-102, 203-204
Biology	8	Physics
English Composition	6101-102
English Literature	6	Biology
Foreign Language	6103-104
Electives	20	Humanities
	101-102, 201-202
		French or German 101-102, 201-202
 <i>Recommended Subjects</i>		
Biology201-202, 301-302
Psychology and logic201 and 103
Algebra, trigonometry, calculus103-104, 114, 121, 122, 221, 222
Chemistry201-202, 301-302

Excellent opportunities are available in the fields allied to medicine; veterinary medicine, requiring four years post-graduate work and pharmacy, requiring five years total college work. Further information can be obtained from the Pre-medical Advisory Committee.

V. PREPARATION FOR SOCIAL WELFARE CAREERS

Students interested in preparing for positions in the field of social welfare may choose to concentrate on social work (with emphasis on group work and community organization) or on corrections (with emphasis on juvenile delinquency). The Lincoln approach is that students in the field of social welfare should be equipped with theoretical as well as practical knowledge. The social welfare field should be viewed not only as a job to be well done but also as an opportunity to exercise social vision disciplined by critical ability.

The program for all sociology-anthropology majors applies, with electives chosen appropriate to the selected concentration or combination of concentrations. For social welfare concentrations, many courses will involve field experience, and some will be linked to projects being undertaken by the Institute for Community Affairs. Such courses include Sociology 310, 311, 312, 313, 314, and 315.

VI. PREPARATION FOR TEACHING

The courses in education given at Lincoln are intended to qualify the student to receive the Provisional College Certificate issued by the Department of Public Instruction, Commonwealth of Pennsylvania. This is the initial certificate issued in Pennsylvania. It enables the holder to teach in any public high school of the Commonwealth. The applicant must be a graduate of a college or university which has approved programs. Lincoln has program approval in ten subject areas. The applicant must have a major in a subject field and he must complete six courses in education. He must take the two courses in practice teaching.

It is also possible for the student to qualify for high school teaching in other states by adapting his electives in education to include the subjects required. For details of these requirements consult the department of education.

VII. PREPARATION FOR THE STUDY OF THEOLOGY

The completion of a standard college course and the acquirement of the corresponding degree is required by most theological schools. Majors in English, philosophy, or history are regarded as desirable.

VIII. PREPARATION FOR ECONOMICS & BUSINESS ADMINISTRATION

Students interested in a career in business or economics may complete a major in this field. The program of studies is developed in consultation with the student's adviser in the department of economics.

Four-year program for Economics and Business Administration major

FRESHMAN

First Semester
Humanities I
Modern Language
Natural Science
College Algebra
Physical Education

Second Semester
Humanities II
Modern Language
Natural Science
Trigonometry or Elementary
Calculus
Physical Education

SOPHOMORE

Humanities III
Modern Language
Elementary Accounting
Principles of Economics
Physical Education

Humanities IV
Modern Language
Elementary Accounting
Quantitative Methods I
Physical Education

For Economics

JUNIOR AND/OR SENIOR

Price Theory
American Economic Development
Comparative Economic Systems
Monetary-Fiscal Economics
Quantitative Methods II
Problems of Growth
Problems of International
Management
Managerial Economics
Social Science
Income Theory
History of Economic Thought
Theory of International Trade

Economics of Black Community
Development
Government and Business
World Trade and Financial
System
Economic Development of
Asia/Latin America
Problems of International
Management
Mathematical Economics
Labor Economics and Labor
Relations
Welfare Economics
International Economics
Senior Seminar

For Business Administration

JUNIOR AND/OR SENIOR

Intermediate Accounting
Cost Accounting
Managerial Economics
Price Theory
Monetary & Fiscal Policy
Problems of Economic
Development
American Economic Development
Problems of International
Management
Social Science
Intermediate Accounting
Business Law
Principles of Marketing
Principles of Management
International Finance

Income Theory
Government and Business
World Trade and Financial
System
Economic Development of
Asia/Latin America
Market Analysis
Problems of International
Management
International Trade
Labor Economics and Labor
Relations
Senior Seminar

IX. GENERAL SCIENCE

This major is intended to serve two possible purposes: preparation for teaching science or mathematics in secondary school, and prepara-

tion for careers in fields such as technical sales, production or administration.

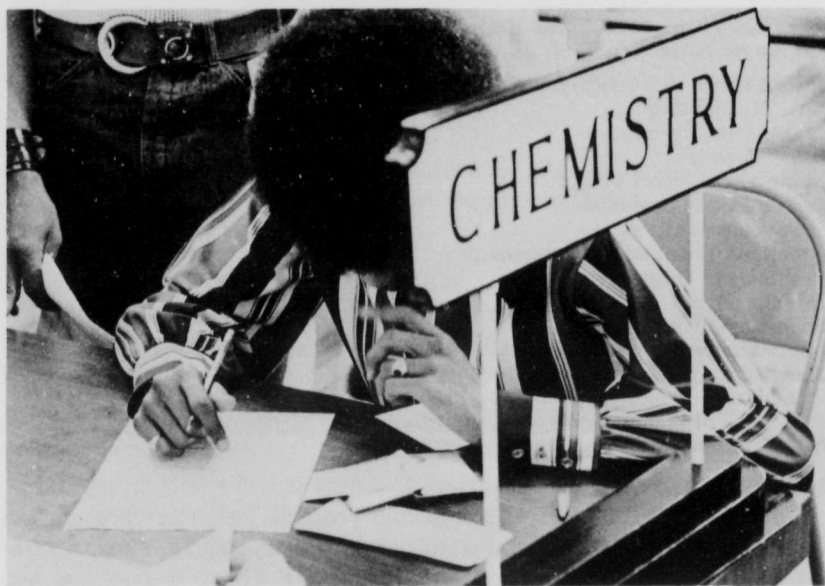
Students interested in teaching should note that the general science major contains sufficient courses in science or mathematics to qualify the student to teach science or mathematics in several states. Students should consult the department of education to determine the specific requirements of the state in which he or she plans to teach.

Students planning to enter technical sales, production or administration would take science requirements plus selective electives in economics or business.

The general science major with concentration in biology, with a year of organic chemistry or a concentration in chemistry, meets the admission requirements of most schools of medicine, dentistry, and veterinary medicine.

Students are required to have a major and minor in sciences. The fields are biology, chemistry, mathematics, and physics. Six courses are required in one major field and must be selected from the courses required of majors. This means a student will complete three years of the program for majors in one of the natural sciences or mathematics. In a second natural science or mathematics, he will complete two years of the program for majors in that field. Only the elementary courses are required in the other two fields. College algebra and trigonometry may serve as the elementary course, only for those students not wishing to use mathematics as a major or minor in meeting the above requirements.

A student must have a cumulative average of 1.70 (C-) or better for all courses included in this major.



X. HEALTH AND PHYSICAL EDUCATION

Satisfactory completion of the curriculum in health and physical education will qualify students for teaching in the elementary and secondary schools of most states. The following program of studies is suggested, but it should be modified to include courses required by the state in which the student plans to teach.

FRESHMAN

Humanities
Foreign Language
Social Science
Biology
Physical Education

SOPHOMORE

Humanities
Foreign Language
Anatomy
Physical Education
Activities I and II
Physical Education

JUNIOR

Philosophy and Principles
of Physical Education
Introduction to Education
Physiology of Exercise
Physical Education Activities III

Health Services and Instruction
Educational Psychology
Kinesiology
Physical Education Activities IV

SENIOR

Organization and Administration
of Physical Education
Care and Prevention of Injuries
& Conditioning
Methods of Teaching Physical
Education
Elective

Leadership in Community
Recreation
Adapted Physical Education
Tests and Measurements
Elective

INTERIM

(Practice Teaching)

XI. MUSIC AND MUSIC EDUCATION

MUSIC EDUCATION MAJORS

The courses offered in music education are designed for the preparation of qualified teachers of music in public schools. Each student choosing this curriculum will select an applied music major in voice, piano, organ, or orchestra instrument. Students must declare a curriculum emphasis in either (1) vocal music, (2) instrumental music, or (3) a combination of these areas.

Entrance Requirements

Prospective music majors must first meet the general requirements for entrance.

Prior music study is expected. *Potential music majors must be auditioned in person or via taped performance.* All students must present a proficiency in some area of applied music. In order to determine the

current state of proficiency, a second audition will be held during Orientation Period. Appointments for auditions may be made through the music department office, Room 122, Ware Center.

Students must bring their own choice of music. Preferably music presented for audition should be sung and played from memory. A student with some significant deficiencies should plan (1) to make up such work in the summer and/or (2) should plan to work beyond the normal four-year period.

Music education majors presenting areas of applied music other than piano and voice for entrance must audition in piano and voice, since both of these areas are required of all music majors.

Students not completing this requirement in any area of applied music will be held in this category until the requirements are completed. This remedial work will be done without credit.

Before the end of the sophomore year, departmental approval must be secured in order to continue in the major. Forms for this approval may be obtained from the department office.

General Departmental Regulations

1. a. No student in the music department may perform publicly on or off campus without the permission of the instructor involved and the chairman of the department. Permission to perform must be secured on forms obtained from the department office.
- b. Music majors as well as other students in the department of music will be expected to participate in public performance according to the level of attained proficiency.
- c. Every piano or organ major must do a required amount of accompanying in public or at lessons.
2. Every music major must be a member of an ensemble.
3. Music majors must attend all concerts presented on the campus.
4. Missed lessons must be made-up. Absences from scheduled lessons will result in a failing grade for the semester.
5. The music department will not recognize a grade less than C in required courses.

Note on Applied Music

Students of voice must select piano as a minor unless exempted by examination. Every student earning a degree in this course must be able to perform acceptably either as a singer or on at least one instrument of the orchestra, or the piano or organ.

For the major applied subject, these requirements can be met only through the medium of private instruction. In the secondary applied music subject, the requirement can be met in class lessons.

Training in the studio is supplemented by experience in performance at frequent student recitals held throughout the junior and senior years.

This latter is the practical section of the departmental comprehensive. The departmental comprehensive is a requirement for graduation.

FRESHMAN

First Semester	
Subject	Course
Humanities	1
Language	1
Math or elective	
Science	1
Music 105 (Theory I)	¾
Applied Music	
Major Medium	¼
*Minor Medium	¼

Total 4¼

SOPHOMORE

Humanities	1
Language	1
Intro. to Education	1
Music 201	
(Theory III)	¾
Music 203 (Survey	
Music Lit. I)	½
Applied Music	
Major Medium	¼
*Minor Medium	¼

Total 4¾

JUNIOR

Science	1
Sec. Ed. Methods	1
Music 305 (Counter-	
point, Theory V)	¾
Music 307 (Choral	
Conduct-	
ing) or	¾
308 (Instru-	
mentation	
and	
Orchestral Cond.)	¾
Applied Music	
Major Medium	¼
*Minor Medium	¼
String Class	¼

Total 4¼

SENIOR

Social Science	1
Music 405 a/g	
(Music Methods)	¾
Applied Music	
Major Medium	¼
*Minor Medium	¼
Brass Class	¼

Total 2½

INTERIM

INTERIM

INTERIM

INTERIM
(Practice Teaching)
2

INTERIM

Total 2

Second Semester

Subject	Course
Humanities	1
Language	1
Math or elective	
Science	1
Music 106	
(Theory II)	¾
Applied Music	
Major Medium	¼
*Minor Medium	¼

Total 4¼

Humanities	1
Language	1
Ed. Psych.	1
Music 202	
(Theory IV)	¾
Music 204 (Survey	
Music Lit. II)	½
Applied Music	
Major Medium	¼
*Minor Medium	¼

Total 4¾

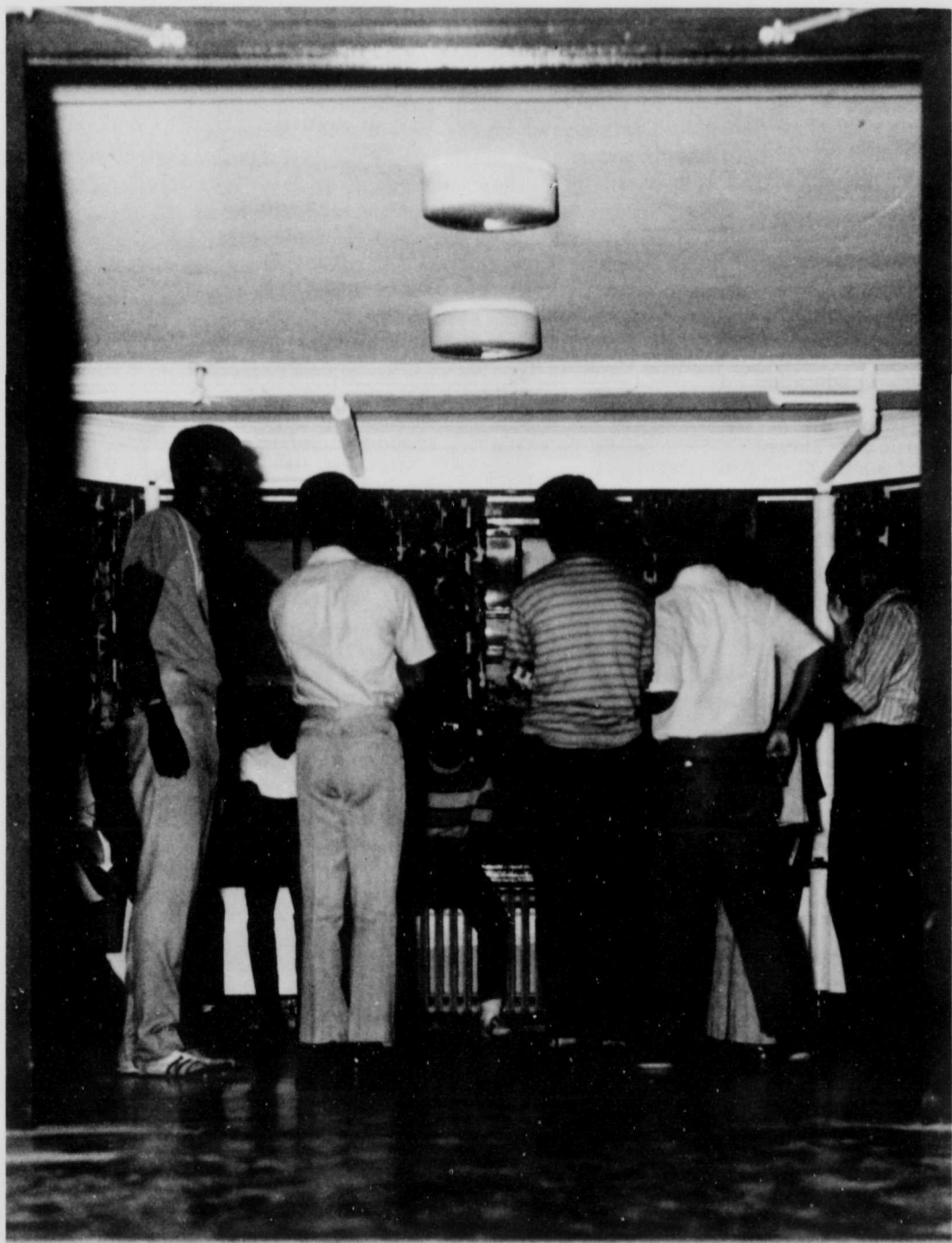
Science	1
Test and Measure-	
ments	1
Music 306 (Form	
and Analysis,	
Theory VI)	¾
Music 405	
(Music Methods)	1
Applied Music	
Major Medium	¼
*Minor Medium	¼
Woodwind Class	¼

Total 4½

Social Science	1
Music 405 a/g	
(Music Methods)	¾
Applied Music	
Major Medium	¼
*Minor Medium	¼
Percussion Class	¼

Total 2½

*Students who have reached the level of competency required by the department will be permitted to substitute two lessons weekly in their major applied field.



Courses of Instruction

Beginning 1968-69 all courses are equivalent unless otherwise designated. Courses normally meet four times per week or the equivalent thereof. In general, all courses carry four semester hours credit as under the old system.

Courses in the 100 series are intended primarily for freshmen, in the 200 series for sophomores, in the 300 series for juniors, and in the 400 series for seniors. Although considerable latitude will be granted students in the upper classes who wish courses in the 300 or the 400 groups, *students may not elect courses above or below their college level without special permission.* The curriculum is divided into the lower level (freshman and sophomore courses) and the upper level (junior and senior offerings).

Courses designated by one number are semester courses; *odd* numbers are employed for courses given in the first semester, and *even* numbers for courses given the second semester.

Year courses are designated by an odd number and an even number separated by a hyphen.

Courses are distributed into three major divisions as follows:

I. The Humanities

English, Drama, and Speech

Classics and Linguistics

Modern Languages and Literature

Music

Art

Philosophy

Religion

II. The Natural Sciences and Mathematics

Biology
Chemistry
Physics and Astronomy
Mathematics
Pre-Engineering Courses

III. The Social Sciences

History
Political Science
Sociology and Anthropology
Black Studies
Education
Psychology
Economics and Business
Physical Education

For regulations concerning electives and major studies see pages 45-46.

DIVISION I THE HUMANITIES

Messrs. Andrews, P. Brown, Felch, Inyang, Levinson, Murray,
R. Pierce, Quinby, Romano, Slevin, Woodson; Miss Barnes, Mrs.
Brown, Mrs. Gopalacharya, Mrs. Rivero, Mrs. Russo

The division of the humanities comprises the courses in English, classics and linguistics, modern languages, music, art, philosophy, and religion. Certain courses in black studies also relate to the humanities.

The objectives of the humanities division at Lincoln University are:

1. To acquaint the student with the cultural heritage of western civilization as it has expressed itself in literature, the arts, religion, and philosophy; and, in the degree compatible with this aim, to make him aware of the relation of western civilization to the other world civilizations.
2. To instill, through the ordered scrutiny of significant products of the human intellect and imagination, an awareness of the dignity and of the potentialities of man.
3. To sensitize the student in his dealings with the world of nature and with fellow human beings.
4. To equip the student for a mature and critical ordering of human values.
5. To develop the arts of communication, with special and constant emphasis upon precision and coherence of thought and expression.

DIVISIONAL COURSES

101-102, 201-202. Humanities.

This interdisciplinary study of the humanities is divided into various segments intended to strike a balance between comprehensiveness and concentration. It is a general interdisciplinary study (4 semesters).

ENGLISH LANGUAGE AND LITERATURE

Messrs. Farrell, Bellone, Cannon, Chaet, Giles, Gioia, Groff,
Hawes, Putnam, Schwartz; Miss Johnson, Mrs. Winkel

Requirements for an English major: Completion of 10 semester courses in English in addition to Humanities 101-102 and 201-202.

Each course is a full course unless otherwise indicated.

211-212. English Literature.

In an endeavor to provide a strong subject matter foundation in the literature of the English-speaking world, the survey course in the history of English literature covers, during the first semester, the beginnings of English literature and traces the development of the literature through the eighteenth century. The second semester begins with the romantic movement and continues to the present time. *The course should be taken in the sophomore year by all students who plan to major in English.*

213. Beginnings of Western Literature.

A study of classical archetypes in western literature including selected myths, Homeric epics, Athenian drama, etc. that have had a continuing influence on western literature. The historical and cultural context of the literature will be considered as well as contemporary reworkings of the ideas and forms. *The course is repeated the second semester.*

301-302. American Literature.

The survey course in the history of American literature covers, during the first semester, writings from the Colonial period to the American Renaissance of 1829-60, with special emphasis on such authors as Edwards, Woolman, Irving, Cooper, Poe, Emerson, Hawthorne, and Melville. An approach to literature as an expression of the life and times of successive periods of history is continued during the second semester in a study of the rise of realism and naturalism between 1860 and the present. Special attention is given to such authors as Whitman, Twain, Howells, James, Crane, Frost, Eliot, Lewis, Faulkner, and Hemingway.

303. Old English Literature.

The course provides background information on the origin of the English language and includes the readings of *Beowulf* and some elegiac, heroic, and religious poetry. Some prose passages are read in Anglo-Saxon. *Offered in 1970-71 and in alternate years.*

304. Middle English Literature.

The course provides background information on medieval thoughts, Middle English literary conventions, and the effect of the Norman conquest on the English language. *Troilus and Criseyde* is read in Middle English; *Sir Gawain and the Green Knight* and sections of *Piers Plowman* are read in translation. *Offered in 1970-71 and in alternate years.*

305. Seventeenth Century Literature.

A study of the conflicting ideas and movements of the seventeenth century as they are reflected in the poetry and prose of such authors as Donne and the metaphysical poets, Jonson, Herrick, Bacon, Hobbes, Burton, and Browne. Special attention is given to Milton. Dryden, Congreve, and Wycherly are emphasized among the restoration dramatists. *Offered in 1971-72 and in alternate years.*

306. Eighteenth Century Literature.

Beginning with the poetry of Dryden, a study is made of the authors of the Augustan Age and the early romantics. Defoe, Swift, Pope, Johnson, Goldsmith, and Burns are emphasized, and consideration is given to the rise of the novel. *Offered in 1971-72 and in alternate years.*

307. Romantic Literature.

With primary emphasis on the readings of the poetry of Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats, the course attempts to illumi-

nate the revolution in poetic taste and aesthetic attitudes in the early nineteenth century. The work of the major poets is amplified by readings in significant literary criticism of the period. *Offered in 1970-71 and in alternate years.*

308. Victorian Literature.

The essential modernity of Victorian literature is explored through a study of the themes and verse techniques of Tennyson, Arnold, Meredith, Hopkins, Hardy, and the pre-Raphaelites. Key prose writers such as Carlyle, Mill, Arnold, Newman and Ruskin are read for insight into the major preoccupations and conflicts of the age. *Offered in 1970-71 and in alternate years.*

309. Journalism.

This laboratory course in the development of journalistic techniques stresses the news story, the feature story, interviews, editorials, and columns along with copyreading and proofreading. Students must work on the staff of *The Lincolnian*, the school paper. *The course is repeated the second semester.*

311. Advanced Composition.

An analytical study of prose style is combined with exercises in writing the four forms of discourse to develop clarity, precision, and originality in composition. *The course is repeated the second semester.*

313-314. Latin and Greek Elements in English.

See Linguistics 313-314.

315-316. Dramatic Literature.

An intensive study is made during the first semester of the golden ages of the theater including Greek and Latin drama; the Spanish drama of Cervantes, Lope de Vega, and Calderon; the development of dramatic expression in England from the early religious and folk plays through the Tudor and Jacobean periods; and the baroque theater of France. During the second semester a study is made of the emergence of realism, naturalism, symbolism, expressionism, and the theater of the absurd in representative plays of the modern theater from Ibsen and Strindberg through Beckett and Duerrenmatt. *Offered in 1970-71 and in alternate years.*

319-320. Negro Literature.

The purpose of this course, which will trace the development of writing by Negroes from Jupiter Hammon and Phyllis Wheatley to James Baldwin and Ernest Gaines, is to increase the knowledge of and the appreciation for the special and particularized experience of being Negro in America, as that experience is reflected in works both by and about Negroes. The principal emphasis will be on literature by Negroes.

401. Shakespeare: Literary Apprenticeship and Development.

Shakespeare's development as an artist is studied against the background of Elizabethan life, literature, and theater. Representative works of drama and poetry will be studied closely to suggest Shakespeare's emergence as the foremost dramatist of his time. General chronology of Shakespeare's work will be observed, but emphasis will be placed upon the thematic relationships and the mastery of dramatic technique.

402. Shakespeare: The Mature Years.

An intensive study of the major tragedies as well as examples of the problem plays and the late comedies. Shakespeare's concept of tragedy will be compared to ancient and modern theories.

403. The British Novel: Defoe to Scott.

A study of the emergence of the novel as a literary genre in the eighteenth century with special attention given to the significant tendencies in the narrative fiction of the period: the sentimental novel, the heroic novel, the picaresque novel, the novel of manners, the Gothic romance, and the romantic historical novel. *Offered in 1971-72 and in alternate years.*

404. The British Novel: Dickens to Conrad.

A study of the novel as the dominant literary form in the latter half of the nineteenth century and in the early years of the twentieth century. Significant thematic patterns as well as innovations in literary form and technique will be studied closely in the work of representative novelists. Continental influences, especially French and Russian, upon the British novel will be considered. *Offered in 1971-72 and in alternate years.*

405. Modern Poetry.

A study of poetry in English from the late nineteenth century to the present. Techniques of versification, form and movement will be emphasized; special attention is given to poetic experimentation, including symbolism and imagism, and to such major figures as Dickinson, Pound, Eliot, Yeats, and Frost. *Offered in 1970-71 and in alternate years.*

406. Modern Fiction.

A study of the technique, forms and movements of continental, British, and American narrative fiction, from the late nineteenth century to the present. Special attention will be given to significant novels by Flaubert, Dostoevsky, Tolstoy, Lawrence, Joyce, Hemingway, Faulkner, and Mann. *Offered in 1970-71 and in alternate years.*

407. Modern Drama.

Early and late plays by Ibsen, Strindberg, and Shaw will be read as background for an intensive study of major playwrights Pirandello to Pinter, conspicuous on the international scene since World War I. Structuring elements will be such experimental trends in playwrighting as expressionism, impressionism, epic theater, theater of the absurd, and black theater. *Offered in 1971-72 and in alternate years.*

408. Studies in Dramatic Literature.

An in-depth study of the works of a significant playwright or of a well-defined movement, form, or period of dramatic literature. The materials of this course will vary from year to year. *Offered in 1971-72 and in alternate years.*

409-410. The American Novel.

In two semesters this course traces the history of the novel in America through its chief practitioners. First expressions, the romantic period, regionalism, realism, the lost generation and the Harlem Renaissance, the social novel of the thirties, and contemporary trends are focal points. Among the writers studied are Cooper, Hawthorne, Melville, Clemens, Crane, Howells, James, Dreiser, Hemingway, Faulkner, Fitzgerald, Wright, Mailer, and Baldwin. *Offered in 1970-71 and in alternate years.*

411. Seminar in English Literature.

Designed to permit instructors in English literature to offer in-depth treatment of various authors, topics, or literary views. Since there may be prerequisites for some seminars, no student should sign up for 411 before consulting the chairman of the department of English. *Offered in 1970-71 and in alternate years.*

412. Seminar in American Literature.

Designed to permit instructors in American literature to offer in-depth treatment of various authors, topics, or literary views. Since there may be prerequisites for some seminars, no student should sign up for 412 before consulting the chairman of the department of English. Offered in 1970-71 and in alternate years.

AN ORAL APPROACH TO THE ENGLISH LANGUAGE

203-204. Public Speaking and Argumentation.

Fundamentals of speech organization, diction, voice, and gesture are emphasized in the first semester. Special attention is given to composition and delivery in various speech situations. In the second semester the principles of logic, argument, and debate are studied.

CLASSICS AND LINGUISTICS

Messrs. Schwartz, S. G. Stevens, Weitz;
Miss Brock, Mrs. McGhee

The department aims to prepare the student for the study of any language, especially Latin and Greek, and more significantly, to become more articulate in his/her own language. Attention is directed (a) to the structure of language in general and the position of the classical languages in the Indo-European language family and (b) to readings, lectures, and reports on the cultures and literatures of the languages under study. Languages other than the modern European languages also fall within the purview of the department, such as African languages and self-study languages. Majors in classics will take eight courses beyond the elementary year. History 201-202 (Ancient Civilization) must be taken by majors. Students preparing to teach or enter upon graduate study in classics must take the 400 level seminar courses.

Each course is a full course unless otherwise indicated.

LATIN

101-102. Elementary Latin.

The mastery of forms, vocabulary, and syntax; principles of language study; Latin derivatives in English. Early in the second semester students will translate selections from Caesar.

201-202. Intermediate Latin.

In the first semester a rapid review of the grammar will be followed by selected readings in prose, poetry, and inscriptional material from the entire range of Latin literature. The second semester will be devoted to Virgil.

Prerequisite: 101-102 or the equivalent

301-302. Medieval Latin and Horace.

In the first semester the range of reading selections will be from late classical writers through patristic literature to the Latin poetry of John Milton. The second semester will be devoted to Horace.

Given on demand

304. Latin Literature in Translation.

A history of Latin literature in translation, with readings from the major Latin writers.

Given on demand



401-402. Plautus and Terence.

Given on demand

403-404. Advanced Latin.

Readings in Latin authors to meet the interests and needs of majors.

Given on demand

405-406. Seminar.

For majors

GREEK

101-102. Elementary Greek.

The mastery of forms, vocabulary, and syntax; principles of language study; Greek derivatives in English. Early in the second semester students will translate selections from the New Testament and from Xenophon.

201-202. Intermediate Greek.

In the first semester a rapid review of Attic grammar will be followed by selected readings from Xenophon, Herodotus, Plato, and the lyric poets. The second semester will be devoted to Homer.

Prerequisite: Greek 101-102 or the equivalent

301-302. Greek Drama.

Plays by Aeschylus, Sophocles, Euripides, and Aristophanes will be read.

Given on demand

303. Greek Literature in Translation.

A history of Greek literature in translation, with readings from the major Greek writers.

Given on demand

401-402. Advanced Greek.

Readings in Greek authors to meet the interests and needs of majors.

Given on demand

405-406. Seminar.

For majors

LINGUISTICS

101-102. Elementary Hebrew.

An introduction to the essentials of the Hebrew language, leading to the reading of the Old Testament.

101-102. Swahili.

First year Swahili. Basic oral-aural comprehension. Five hours per week, combination of class hours and language laboratory.

201-202. Intermediate Swahili.

Advanced Swahili. Preparation for oral examinations on U.S. State Department level of 2+. Five hours per week combination of class hours and language laboratory.

301-302. Advanced Swahili.

Advanced comprehension and fluency. Reading of contemporary materials from East Africa.

313. The Latin and Greek Elements in English.

Recommended especially for pre-professional students who have had no Latin and Greek.

First semester

314. Introduction to Linguistics.

A study of current linguistic theory; a survey of the principal language families of the world, ancient and contemporary.

Second semester

401-402. Sanskrit.

A brief study of forms and syntax will be followed early in the first semester by translation of selections from Lanman's Sanskrit Reader. The second semester will be devoted entirely to Lanman's Sanskrit Reader. Throughout the course comparison will be drawn between Sanskrit and the other Indo-European languages. Classics majors are encouraged to take this course for credit towards the major. Other students may take the course only by permission of the instructor.

Given on demand

403-404. Hittite.

The cuneiform orthography of Hittite will be mastered and the hieroglyphic variant examined. Entry into the course only by permission of the instructor.

Given on demand

101-102. Basic Russian.

Self study program.

101-102. Italian.

Self study program.

MODERN LANGUAGES AND LITERATURES

Messrs. Roget, Auguste, Eaton, Fuste; Miss Eubank, Mrs. Gelber,
Mrs. Gunn, Miss Hall, Mrs. Paul

FRENCH LANGUAGE AND LITERATURE

Requirements for a major in French: six courses above the intermediate level. It is recommended that majors also take Modern European History 101-102. Majors who plan to seek certification for teaching in Pennsylvania are required to take the following courses:

French 301-302, 303, 305, 407-408; Modern Language 306

Each course is a full course unless otherwise indicated.

101. Elementary French.

The course consists of five class meetings per week, two of which are held in the Language Laboratory. In addition, students are urged to do independent practice in the Language Laboratory at their own convenience. The course offers the foundations of French using the audio-lingual approach.

Prerequisite: None

102. Elementary French.

The course is the sequel to French 101. The course continues the audio-lingual approach, with increased importance to reading French texts.

Prerequisite: French 101 or placement by examination

201. Intermediate French: Reading.

The course consists of four class meetings per week. It offers a rapid review of basic French grammar; however, its main objective is to aid the student in developing the ability to read and comprehend French texts with relative facility.

Prerequisite: French 102 or placement by examination

202. Intermediate French: Reading.

The course is the sequel to French 201, with readings in French of relatively greater difficulty and wider interest. The readings fall into two categories: those to be read by the entire class, and those to be read independently. The latter are grouped according to the different areas of major specialization.

Prerequisite: French 201 or placement by examination

203. Intermediate French: Conversation.

The course consists of five class meetings per week, two of which are held in the Language Laboratory. Development of the ability to engage in free expression in French is the principal objective of the course. Minimal attention is given to the study of grammar. The course is particularly suited to students who have been trained in the audio-lingual method during their high school study of French. The course is highly recommended for students who are planning to major in French.

Prerequisite: French 102 and/or approval of the instructor

204. Intermediate French: Conversation.

The course is the sequel to French 203.

Prerequisite: French 203 or approval of the instructor

301. Introduction to French Literature.

The course consists of three class meetings per week. Its primary objective is to give the students a solid foundation in the art and techniques of literary analysis as applied to the various genres of French literature. Short selections from literary works in French will be examined.

Prerequisite: French 202 or 204

302. Introduction to French Literature.

The course is the sequel to French 301. Complete works will be studied.

Prerequisite: French 301

303. Civilization and Culture of France.

The course consists of three meetings per week. It presents a panoramic view of French civilization and culture from pre-history up to the twentieth-century. The course will be conducted in collaboration with the departments of art, history, music, philosophy and political science.

Prerequisite: French 202 or 204

304. French Civilization and Culture in the Third World and the Americas.

The course is the sequel to French 303. It will study the influence of France in the former French colonies in North and Sub-Sahara Africa, South-East Asia, Canada, Louisiana and the Caribbean. The course will be conducted in collaboration with the departments of history and political science.

Prerequisite: French 202 or 204

305. French Phonology.

The course consists of three meetings per week. It will include the systematic study of the sound structure of modern French. Exercises in analysis and transcription will be done.

Prerequisite: French 302

401. French Poetry. (Directed Study)

The course will be organized on a flexible basis. In consultation with a French instructor of his or her choice, the student will be guided in the readings on French poetry. An extended essay in French will be required.

Prerequisite: French 302

402. The Novel in France. (Directed Study)

The course will be organized on a flexible basis. In consultation with a French instructor of his or her choice, the student will be guided in the readings on the French novel. An extended essay in French will be required.

Prerequisite: French 302

403. French Drama. (Directed Study)

The course will be organized on a flexible basis. In consultation with a French instructor of his or her choice, the student will be guided in the readings on French drama. An extended essay in French will be required.

Prerequisite: French 302

405. African and Antillean Poetry and Drama of French Expression.

The course consists of two class meetings per week. It will include a comprehensive study of the black writers from Africa and the Caribbean who use the French language; it will also study the literary and political movements which conditioned this literature. The course will be open to students not majoring in French. Readings will be in French and in English where translations are available; lectures and discussions will be in English. French majors will be required to write their papers in French.

Prerequisite: French 202 or 204

406. African and Antillean Prose of French Expression.

The course consists of two class meetings per week. It will include a study of selected novels and essays of black writers from Africa and the Caribbean who use the French language. The course will be open to students not majoring in French. Readings will be in French and in English where translations are available; lectures and discussions will be in English. French majors will be required to write their papers in French.

Prerequisite: French 202 or 204

407. Survey of French Literature.

The course consists of two class meetings per week. It will include a study of French literature from the Middle Ages through the eighteenth century.

Prerequisite: French 302

408. Survey of French Literature.

The course consists of two class meetings per week. It will include a study of French literature of the nineteenth and twentieth centuries.

Prerequisite: French 407

GERMAN LANGUAGE AND LITERATURE

Each course is a full course unless otherwise indicated.

101. Elementary German.

The course consists of five class meetings per week, two of which are held in the Language Laboratory. In addition, students are urged to do independent practice in the Language Laboratory at their own convenience. The course offers the foundations of German using the modified audio-lingual method.

Prerequisite: None

102. Elementary German.

The course is the sequel to German 101.

Prerequisite: German 101 or placement by examination

201. Intermediate German.

The course consists of five class meetings per week. It offers a review of German grammar, and includes a series of Language Laboratory exercises. Great emphasis is given to the reading of materials in German.

Prerequisite: German 102 or placement by examination

202. Intermediate German.

The course is the sequel to German 201.

Prerequisite: German 201 or placement by examination

301. Readings in German Literature.

The course consists of three class meetings per week. It will include the readings of representative selections of German literature, with special emphasis given to contemporary writings.

Prerequisite: German 202

302. Readings in German Literature.

The course is a continuation of German 301.

Prerequisite: German 301

MODERN LANGUAGE

202. Diction in French, German and Italian.

The course consists of three meetings per week. Designed particularly to enable music majors to meet their foreign language requirement, this course will include the study of phonetics and its application to song and opera. The course will be conducted in collaboration with the music department.

Prerequisite: French, German or Spanish 102

306. Teaching of Modern Languages.

The course consists of two meetings per week. It will present the theories, methods, and techniques of teaching modern languages and will consider the contributions of linguistics and psychology to language learning. Included will be instruction on the use of the Language Laboratory and other audio-visual teaching equipment and materials; the preparation and presentation of pattern practice; and observation of modern language classes on campus and in nearby schools.

Prerequisite: French or Spanish 305

PORTUGUESE LANGUAGE & LITERATURE

101. Elementary Portuguese.

The course consists of five class meetings per week, two of which are held in the Language Laboratory. It offers the foundations of Portuguese using the modified audio-lingual method.

Prerequisite: None

102. Elementary Portuguese.

The course is the sequel to Portuguese 101.

Prerequisite: Portuguese 101

201. Intermediate Portuguese.

The course consists of three meetings per week. It offers a review of basic Portuguese; however, greater emphasis is given to the reading of selections from Brazilian writers.

Prerequisite: Portuguese 102

202. Intermediate Portuguese.

The course is the sequel to Portuguese 201.

Prerequisite: Portuguese 201

SPANISH LANGUAGE AND LITERATURE

Requirements for a major in Spanish: six courses above the intermediate level. It is recommended that majors also take Modern European History 101-102. Majors who plan to seek certification for teaching in Pennsylvania are required to take the following courses:

Spanish 301-302, 303, 305, 407-408; Modern Language 306

Each course is a full course unless otherwise indicated.

101. Elementary Spanish.

The course consists of five class meetings per week, two of which are held in the Language Laboratory. In addition, students are urged to do independent practice in the Language Laboratory at their own convenience. The course offers the foundations of Spanish using the audio-lingual approach.

Prerequisite: None

102. Elementary Spanish.

The course is the sequel to Spanish 101.

Prerequisite: Spanish 101 or placement by examination

201. Intermediate Spanish: Reading.

The course consists of four class meetings per week. It offers a rapid review of basic Spanish grammar; however its main objective is to aid the student in developing the ability to read and comprehend Spanish texts with relative facility.

Prerequisite: Spanish 102 or placement by examination

202. Intermediate Spanish: Reading.

The course is the sequel to Spanish 201.

Prerequisite: Spanish 201 or placement by examination

203. Intermediate Spanish: Conversation.

The course consists of five class meetings per week, two of which are held in the Language Laboratory. Development of the ability to engage in free conversation in Spanish is the principal objective of the course. Minimal attention is given to the study of grammar. The course is particularly suited to students who have been trained in the audio-lingual method in high school Spanish. The course is highly recommended to students who are planning to major in Spanish.

Prerequisite: Spanish 102 and/or approval of the instructor

204. Intermediate Spanish: Conversation.

The course is the sequel to Spanish 203.

Prerequisite: Spanish 203 or approval of the instructor

301. Introduction to Spanish Literature.

The course consists of three class meetings per week. Its primary objective is to give the students a solid foundation in the art and techniques of literary analysis as applied to the various genres of Spanish literature. Short selections from literary works in Spanish will be examined.

Prerequisite: Spanish 202 or 204

302. Introduction to Spanish Literature.

The course is the sequel to Spanish 301. Complete works will be studied.

Prerequisite: Spanish 301

303. Spanish Civilization.

The course consists of three class meetings per week. It presents a panoramic view of peninsular Spanish civilization from the medieval period to modern times. The course will be conducted in collaboration with the departments of art, history, music, philosophy, and political science.

Prerequisite: Spanish 202 or 204

304. Hispanic Civilization and Culture in the Americas.

The course is the sequel to Spanish 303. It will study the adaptations of Spanish civilization and culture in Latin America and the Caribbean. The course will be conducted in collaboration with the departments of history and political science.

Prerequisite: Spanish 202 or 204

305. Spanish Phonology.

The course consists of three meetings per week. It will include the systematic study of the sound structure of modern Spanish. Exercises in analysis and transcription will be done.

Prerequisite: Spanish 302

401. Spanish Poetry (Directed Study).

The course will be organized on a flexible basis. In consultation with a Spanish instructor of his or her choice, the student will be guided in the readings on Spanish poetry. An extended essay in Spanish will be required.

Prerequisite: Spanish 302

402. The Spanish Novel (Directed Study).

The course will be organized on a flexible basis. In consultation with a Spanish instructor of his or her choice, the student will be guided in the readings on the Spanish novel. An extended essay in Spanish will be required.

Prerequisite: Spanish 302

403. Spanish Drama (Directed Study).

The course will be organized on a flexible basis. In consultation with a Spanish instructor of his or her choice, the student will be guided in the readings on Spanish drama. An extended essay in Spanish will be required.

Prerequisite: Spanish 302

405. Latin America Poetry and Drama.

The course consists of two class meetings per week. It will study the poetry and drama in Latin America from the romantic period up to the present.

Prerequisite: Spanish 302

406. Latin American Prose.

The course consists of two class meetings per week. It will study the novel, short story and essay in Latin America from the romantic period up to the present.

Prerequisite: Spanish 302

407. Survey of Spanish Literature.

The course consists of two class meetings per week. It will include a study of Spanish literature from the Middle Ages up to the *Siglo de Oro*.

Prerequisite: Spanish 302

408. Survey of Spanish Literature.

The course consists of two class meetings per week. It will include a study of Spanish literature from the *Siglo de Oro* up to the generation of 1898.

Prerequisite: Spanish 407

MUSIC

Messrs. Suthern, Emery, T. Stevens; Mrs. Slocum, Mrs. Faulcon,
Mrs. Mapp

The purposes of the department of music are (1) to acquaint the general college student with the fertile area of the art of music, (2) to attempt the development of a sense of understanding of the art of music, (3) to contribute, through concerts and recitals, to the general cultural life of the community, and (4) to give professional preparation in the field of music and music education.

101. Introduction to Music.

A course designed to provide necessary tools for perceptive music listening. The student approaches music through recordings, concerts and other available media. This is a required course for which no prerequisites or special abilities are needed.

103-104. Choral Music.

Fundamentals of choral technique and a sizeable repertoire of choral music are learned by practical work. Course open only to members of the University Chorale and the Glee Club.

105-106. Elementary Theory I & II.

Instruction in harmonization of melodies, both written and keyboard. Simple rhythms, tonal relationships — melodic and harmonic — including scales, intervals, triads and their inversions, figured bass technique, seventh chords and their inversions, nonharmonic tones, simple modulations, dictation, sight reading, simple analysis and form, and original work in the elementary forms. ($\frac{3}{4}$ credits)

Prerequisite: The ability to read music and simple pianistic ability

201-202. Advanced Theory, III & IV.

Essentials of advanced harmony, chromatic alternations, modulations, analysis of master works and original compositions; problems in elementary counterpoint; keyboard harmony. ($\frac{3}{4}$ credit)

203-204. Survey of Musical Literature and Styles, I & II.

Required course for music majors and will satisfy the University requirement in music. Open to all other advanced nonmajors or others interested with consent of the chairman of the department of music. ($\frac{1}{2}$ credit)



305. Counterpoint, Theory V.

The development of contrapuntal writing technique in two, three, and more voices. ($\frac{3}{4}$ credit)

Prerequisite: Music 201-202

306. Form and Analysis, Theory VI.

Analysis of structure and texture of representative works in the late 19th and 20th centuries.

303-304. History and Literature of Music, III & IV.

Survey of music from the beginning of western civilization to the present. 303 — music before 1750; 304 — music after 1750.

Prerequisite: Music 203-204

307-308. Conducting.

The basic general techniques in the art of conducting followed by the specific disciplines for Choral Conducting (307), and (308) advanced conducting and choral methods and literature. ($\frac{3}{4}$ credit)

Prerequisites: all 200 department of music courses

313. Jazz in American Culture.

Introduction to the origins, development and present trends in this distinctly American art form.

317. The Negro in American Music.

A survey of the contribution of the Negro in all phases of American music.

331-332. Contemporary Trends in Music, Music Literature V & VI.

A chronological survey, through directed listening, of the trends found in twentieth century music. During the second semester emphasis is placed on the American contribution to the period.

Prerequisite: consent of the instructor

405-406. Methods of Teaching Music.

Study of current literature and practice in music education.

405a. Methods of Teaching Stringed Instruments.

405b. Methods of Teaching Brass Instruments.

405c. Methods of Teaching Piano.

405d. Methods of Teaching Organ

405e. Methods of Teaching Reed Instruments.

405f. Methods of Teaching Percussion Instruments.

405g. Methods of Teaching Voice.

405h. Methods of Teaching Choral Music.

407. Workshop in Church Music.

Special class to meet Saturdays (9-11 a.m.) (10-12 a.m.). Planning for church service; hymn playing styles; transposition; choral problems; chanting; accompaniment of anthems and solos; practical conducting problems in church music. Required of organ majors and conducting students.

COURSES IN APPLIED MUSIC

107-108. Elementary Piano.

This is the beginning course in piano study. At the end of the first semester the student shall have completed at least two beginning books such as John Thompson, Michael Aaron; major and minor scales — two octaves. At the end of the second semester the student shall have completed major and minor scales, four octaves; Czerny type short studies; *Bach for Beginners — Little Preludes and Fugues*. Simple Chord Progressions (I, IV, V, I) in all keys.

207-208. Intermediate Piano.

Scales — four octaves in all keys, major and minor; easy sonatinas by Mozart, Beethoven, Clementi, etc. Simpler Chopin *Preludes*, easier classics by Schubert, Beethoven, Haydn. Comparable keyboard materials.

309-310.* Lower Advanced Piano.

Bach *Two Part Inventions, Three Part Inventions* and/or *Well Tempered Clavier*; Scales — major and harmonic minor in all forms. One sonata by Beethoven, Schubert, Mozart, etc. Modern composers such as Barber, Persichetti, Hindemith, Prokofiev. Junior half recital.

401-402a.* Advanced Piano.

Continuing the program of junior year with specific preparation for the senior recital.

111-112.* Elementary Organ.

Manual and pedal techniques: First semester completion of such beginning materials as Peeters' *Ars Organi*, Carpenter's *Basic Organ Technique*; most of Gleason *Organ Method*; Johnson *Organ Methods*. Second semester completion of latter two methods and materials from Bach *Little Organ Book, Little Preludes and Fugues*.

211-212.* Intermediate Organ.

Manual and pedal technique; Bach *Little Organ Book, Little Preludes and Fugues, Trio Sonatas*; Studies comparable to Dupre 79 *Choral Preludes. Vierne 24 Pieces in Free Style*.

311-312.* Lower Advanced Organ.

Bach — *Selected Preludes/Toccatas and Fugues* and other compositions from the baroque period. Sonatas by Mendelssohn-Franck. Junior half recital.

403-404.* Advanced Organ.

(a, b, c, d)

Bach — Selected works from the master period; modern compositions and contemporary composers.

VOICE AS A MAJOR STUDY

Students who have good vocal potential (pleasant voice, good ear, musical intelligence) and an interest in solo performance and the teaching of voice may elect a major in this field. *An audition to obtain this status is necessary.*

VOICE AS A MINOR STUDY

For all students for whom voice is a second subject necessary in the area of music education. The goal of the course is to improve the singing voice rather than solo performance. Songs in English may be substituted for foreign literature.

109-110.* Elementary Voice.

Intensive work on tone quality, diction, range with vocalization materials selected at the discretion of the instructor and level of the student. Students should complete five new songs memorized each semester from a broad field.

209-210.* Intermediate Voice.

Technical studies continuing previous level in diction, range, tone quality, breathing. Added stress on agility, more difficult song material. Students shall complete five new songs from a broad range of vocal material each semester including arias from Bach, Handel, Mendelssohn and art songs of the 10th century.

315-316.* Lower Advanced Voice.

Continuation of technical study. Preparation of junior recital. German Lieder. Intense study of vocal interpretation. Eight new songs per semester.

407-408.* Advanced Voice.

(a, b, c, d)

Advanced vocal techniques and literature. Preparation of senior recital. A voice major should have a minimum of forty memorized art songs.

Nota Bene: Students not completing this requirement in any area of applied music will be held in this category until the requirements are completed. This remedial work will be done without credit.

FINE ARTS

Messrs. Fishwick, Felch, Knox, Beaver, Levine

These courses are designed to give those with no special training an introduction to art; to show how man's creative urge has served him in all cultures and centuries. In addition to lectures and studios, personal conferences, shows, performances, and visits to major art centers will be employed.

Each course is a full course unless otherwise indicated.

201. Introduction to Painting.

This course examines the importance of painting in western culture from the cave to pop art. A general knowledge of the historical evolution of western painting, awareness of form, and the expansion of the individual's visual sensibility are its goals. Trips to important collections will be arranged. *(half course)*

211. Introduction to Painting.

Art 201, as above, plus two hours of extra reading, field trips, and reports.

203. Introduction to Architecture.

This course examines man's buildings, both private and public, as historical monuments and works of art. The influence of geography, nationalism and technology on architecture will be stressed. *(half course)*

213. Introduction of Architecture.

Art 203, as above, plus two hours for extra reading, field trips, and reports.

205. Introduction to Sculpture.

This course surveys sculpture from ancient fertility forms to the kinetic and minimal art of today. The general influence of technology and science in recent years will be stressed. Slides, demonstrations and workshops will be employed. *(half course)*

215. Introduction to Sculpture.

Art 205, as above, plus two hours for extra reading, field trips, and reports.

220. Special Directed Study.

Work will be arranged and taught on an individual seminar basis, to meet needs and interests of those with special talents or problems.

230-231. Art Studio (Painting).

An elective course in painting in which both beginners and advanced students may participate. Problems involve working in several media (oil, water color, and acrylics) from landscape, still-life, and live models.

232-233. Art Studio (Graphics, Sculpture and Ceramics).

Concentrated and approximately equal periods of time will be spent in the creation of work in the graphic arts, sculpture (wood, metal, and clay) and ceramics. Both beginners and advanced students may participate. Finished work will be exhibited on the campus and in the region.

240-241. Theater Workshop (Elements of Theater Art).

The study and practice of the arts of the theater including visual reinforcement of representative plays through diagrams, plans, and elevations; construction, painting, rigging, lighting, sound and visual effects, direction, and stage management. Practical application will be found in guest performances, informal workshop projects, and the formal production of the Lincoln University Players.

242-243. Theater Workshop (Acting).

The study and practice of acting as an art form involving an increased command of voice, body and the underlying emotions in oral interpretation, improvisation, pantomime, characterization, and the formal and informal presentation of dramatic programs, one-act, and full-length plays.

244-245. Introduction to Theater Arts.

A study of the changes in the physical theater and the conventions of the stage in relationship to the development of drama. This course is designed to develop an understanding of the theater as an art form and social institution. *(half course)*

250-251. Introduction to Cinema Arts.

The history and development of the film as a medium with revolutionary social and artistic implication. The silent film, the introduction of sound and color, and the work of such innovators as deMille, Claire, Bergman, Teshigara, and Fellini. Lectures, reading, and bimonthly screenings with panel discussions and written papers will be scheduled.

303-304. European Art Since 1850.

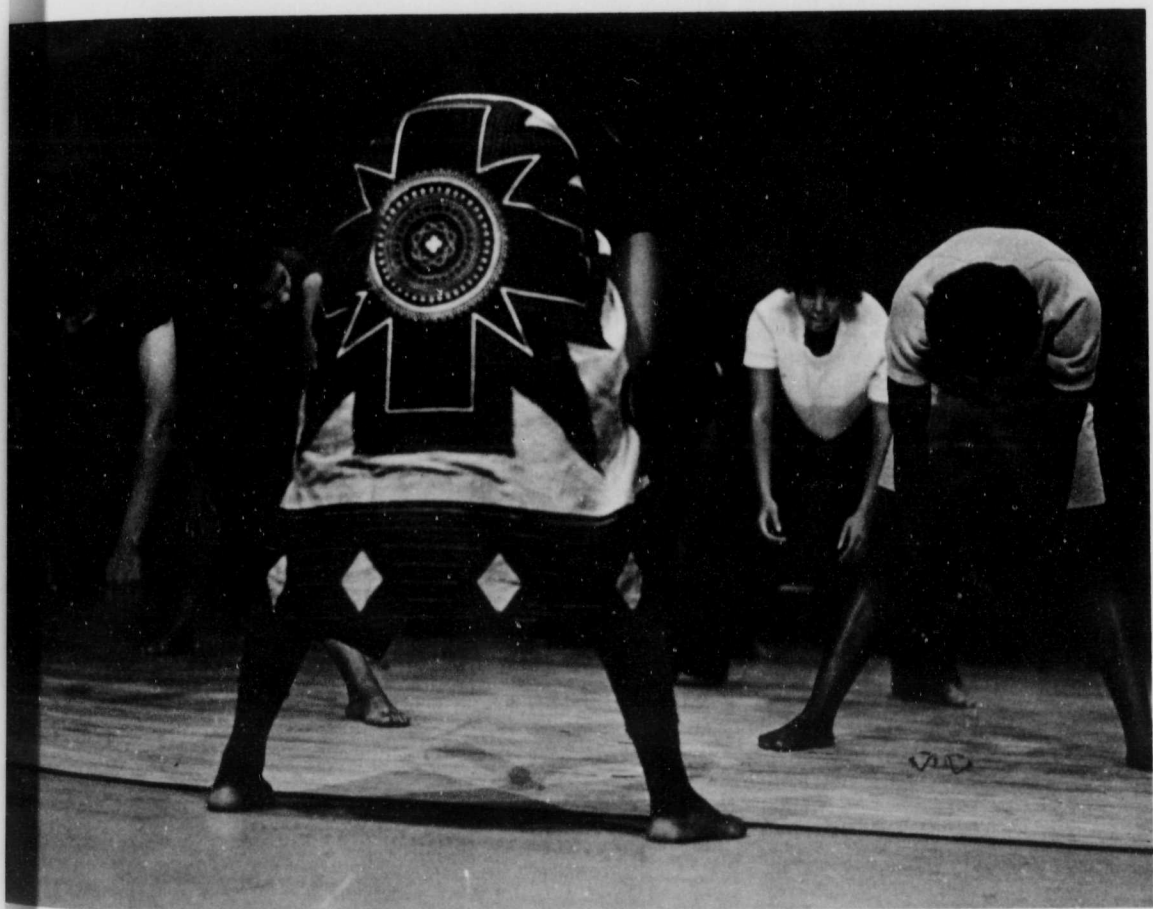
Neoclassicism and romanticism set the stage for modern art. Special emphasis on impressionism, expressionism, and cubism and the major movements in art today.

305-306. American Art and Architecture.

A summary of the art in colonial America, the rise of a national style, the struggle against Europe, and the emergence of major artists in the twentieth century. Painting and architecture will be emphasized.

311-312. Art and Architecture in Africa and Asia.

A survey of main styles, monuments, and achievements in the art and architecture of Africa and Asia. Special attention will be paid to West African sculpture and Indian architecture. *(half course)*



317. Art and Life in Black America.

A survey of the contributions black Americans have made in art and popular culture. Major themes, problems, styles, and trends will be stressed. ($\frac{1}{4}$ course)

401. Studies in Popular Culture.

An analysis of popular, folk, and elite culture, with special attention to the black American contributions. Stereotypes, vernacular architecture and design, formula literature, and rock music will be discussed along with the mass media and the electronic revolution.

409. Senior Seminar.

Advanced seminar for special projects and creative work.

PHILOSOPHY

Messrs. Brautigam, P. Brown, Hurwitz, Levinson

The study of philosophy is designed to encourage analytical and critical thinking in the major areas of human concern, such as art, education, ethics, law, religion and the natural and social sciences.

Students preparing for careers in business and the professions will find philosophical training valuable and a major in philosophy acceptable. Since philosophy is relevant to all aspects of experience and learning, it is hoped that students majoring in other departments will elect courses in philosophy as part of their general and liberal education.

For a major in philosophy, nine (9) courses, including Philosophy 103, 105, 201 and 202, plus four additional courses and Seminar 401, are required. At the option of the department, two January Terms in philosophy may be prescribed. With the approval of the department, courses in cognate departments may be substituted to satisfy major requirements.

Each course is a full course unless otherwise indicated.

101. Introduction to Philosophy.

A general introduction to philosophy organized around the discussion of such basic questions as 'What is real?' 'What is good?' 'How do we know?' 'What may we believe?'. Selections from both classical and contemporary philosophers will be studied.

102E. Problems of Knowledge.

An analysis of the theory and elements of knowledge: intuitional, rational and empirical. An extradepartmental course for special program students.

103. General Logic.

The principles of valid reasoning with an emphasis on introductory symbolic logic and theory of formal systems; problems of language and meaning; the principles of inductive reasoning.

105. Ethics.

What makes an action right? What makes a person morally good? What is the relation between personal morality and social morality? Questions such as these will be discussed in the light of influential ethical theories and with reference to specific moral problems.

201. Greek Philosophy.

A survey of Greek philosophy with emphasis on Plato and Aristotle.

202. Modern Philosophy.

The impact of the seventeenth century scientific revolution and changing social conditions on theory of knowledge, ethics, social philosophy, and religious thought as represented in works of philosophers from the Renaissance through Kant.

203. Legal and Political Philosophy.

What duties and rights do we have in relation to other people? What is the purpose of government? Should its authority be limited? What is the relation of law and justice? Under what circumstances are civil disobedience and revolution ever justified? Questions such as these will be examined in the light of leading legal and political philosophies and with reference to contemporary issues.

204. Twentieth Century Philosophy.

A study of selected philosophical movements, philosophers and problems of western philosophy in the twentieth century. An introduction to contemporary views in philosophy.

205. Oriental Philosophy.

Treatment of the more important thinkers and schools of philosophy which have dominated the thought and life of India, China, and Japan.

206. Philosophy of Art and Art Criticism.

Selected topics such as the nature of art and beauty, their functions in society; aesthetic perception; analysis of theories of art, e.g. formalism, expressionism, marxism; problem of "meaning" of art; criteria for art criticism. Concrete references to specific works of art including poetry, painting, music, sculpture, film, dance, etc.

209. Existentialism.

Existentialist thought in philosophy, literature and psychology, in the works of such writers as Kierkegaard, Nietzsche, Heidegger, Jaspers, Buber, Tillich, Camus and Sartre; its bearing on contemporary issues.

301. Recent Ethical Theory.

A study of influential twentieth century ethical theories: naturalism, intuitionism, emotivism, and the *good reasons* approach of many linguistic philosophers.

302. Symbolic Logic.

An advanced course in logic; emphasis on the development of the calculus of propositions, quantification theory and philosophical problems of logic. Offered in alternate years.

Prerequisites: Philosophy 103, or the recommendation of the chairman of the mathematics department

303. Philosophy of Natural Science.

Philosophical problems in the natural sciences such as the nature of scientific explanation, law, and proof; topics which may also be included are scientific method, causality, models, theoretical and observation terms, space and time. No specific knowledge of science is assumed, but examples from physics, chemistry, medicine and biology will be introduced.

304. Philosophy of Social Science.

Philosophical problems in the social sciences such as the nature of explanation, prediction, theory construction, the nature of human action, freedom and determinism, and the relation of causes and reasons; also, problems of value, objectivity and ideology in the social sciences. Specific examples from history, psychology and sociology will be used.

307. Seminar in a Major Philosopher.

A study of the main issues of philosophy from one historically important viewpoint.

401. Philosophy Seminar.

A study of special topics and major philosophers.

RELIGION

Messrs. Murray, R. A. Pierce, S. G. Stevens, Weitz

The requirement for a major in religion is the completion of ten courses in religion as follows: Religion 101 (or 105), 102, 103, 202, 302, 304, 401, 402 and two January Term courses in religion. A major is also required to pass a comprehensive examination in his major field or to complete a project in the field of religion to the satisfaction of the department. With the consent of the department a major may be allowed to substitute courses in related fields for those listed above.

Each course is a full course unless otherwise indicated.

101. The Religion of the Old Testament.

The religious history of the Hebrews from 2000 B.C. to the Christian era with special emphasis on the conceptions of God and man. Attention is given to the influence of social and political history on Hebrew religion and ethics.

102. The Beginning of Christianity.

Against the historical background of the New Testament, a study is made of the life and teachings of Jesus and their contemporary significance, and of the religious experience and community life of 1st century Christians, with special emphasis on the life and thought of Paul.

103. Introduction to Religious Phenomena.

An introduction to the various religious modes and to the several approaches to the study of religion. The student will be introduced to a variety of methodological approaches, drawing on non-western religions (early African religion, Islam, Buddhism, etc.) for concrete examples of phenomena.

105. History of Judaism.

A survey of the life of the Jewish people from their beginnings in the Near East to the mid-twentieth century. Attention is focused on major migrations, leading personalities, and historic movements.

Credit in religion or history

202. Christian Ethics.

The ethics of Jesus, St. Thomas Aquinas, Calvin, Luther, John Bennett, Reinhold Niebuhr and others are studied with special reference to the challenge of contemporary culture to Christian ethics.

203. Religious Ideas in Literature.

The student will be introduced to understandings of the religion and culture generally, and more particularly, to the relation between religion (or theology) and literature. He will also be exposed to some basic interpretive techniques drawn from the field of literary criticism. More emphasis will be given to practice than to theoretical formulations. The major work in the course for the student will be the practical application of the theoretical foundations through readings and attempting to appreciate and interpret various modern works.

302. Modern Christian Thought.

A survey of Christian thinking from the sixteenth century to the present, including the development of Roman Catholicism, Protestant liberalism and orthodoxy, and contemporary religious expressions.

303. Religion in American Culture.

A study of the relation of religion to culture in American life both in its institutional and non-institutional forms. Special attention will be given to the religious significance of symbols and myths which have developed in American culture. It will also deal with the role of the major religious traditions: Protestantism, Roman Catholicism, Orthodoxy, and Judaism, in terms of their historical development and contemporary significance.

304. The Philosophy of Religion.

Philosophic positions on basic problems concerning the relations between God, man, and the world, and concerning the nature of religious knowledge will be explored.

306. Contemporary Jewish Thought.

An introduction to contemporary Jewish philosophies and thought patterns, together with a survey of leading thinkers of modern Jewry and Judaism, with special emphasis on trends in the current century.

307-308. The Religion of the Afro-American.

A study of the role that religion has played in the struggle of the Afro-American to survive in a hostile environment. Special attention will be given to its folk expression in sermon and song, its leading personalities, its institutionalization, and its function in the civil rights movement of the mid-twentieth century. Two semesters. *Either semester may be taken separately.*

401. Major Religions of the World.

A study of the historical development and chief writings of such ancient and modern religions as Hinduism, Buddhism, Confucianism, Taoism, Shintoism, and Islam.

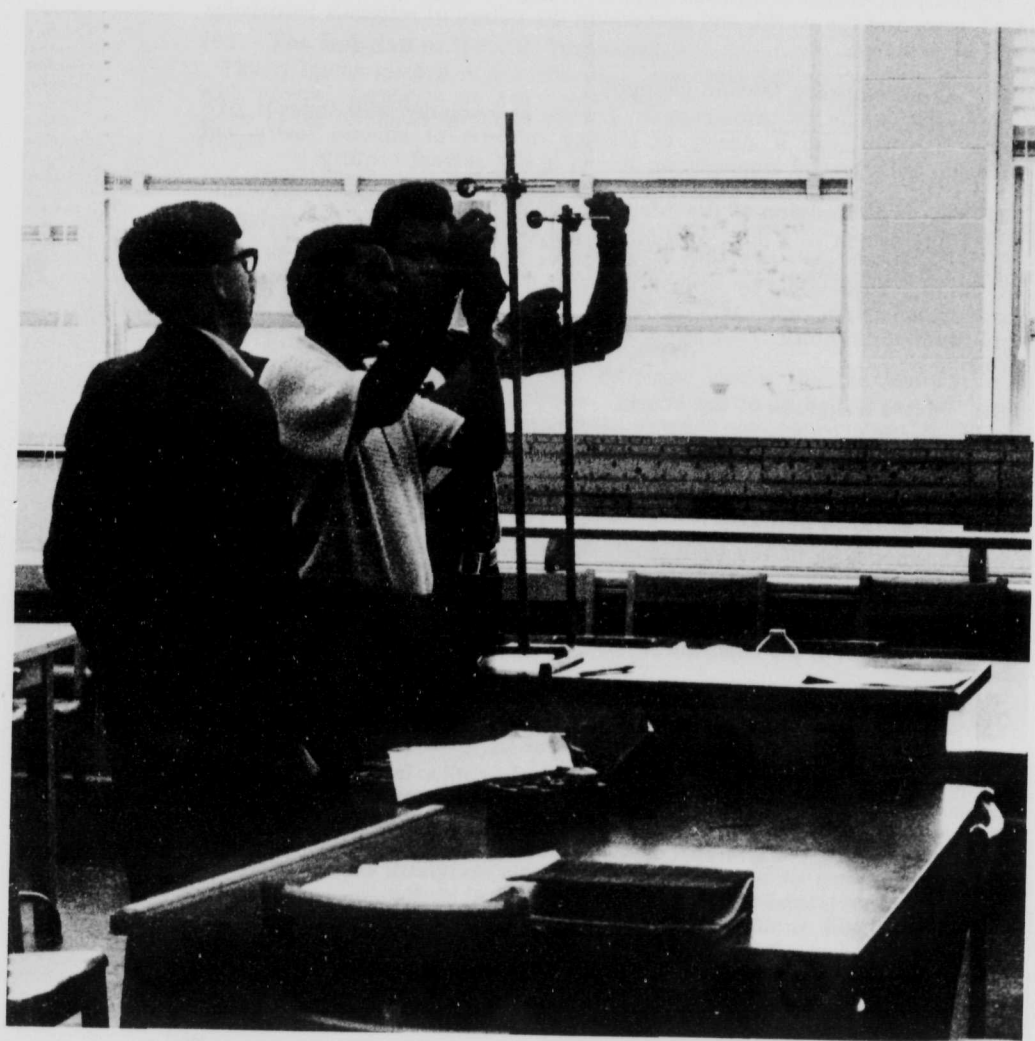
402. Seminar in Religion.

An investigation of the basic methods used in the study of religion and their application to significant problems in religion. The selection of problems to be studied will vary from year to year. *Primarily for juniors and seniors majoring in religion, but open to other qualified juniors and seniors with the consent of the department.*

**DIVISION II THE NATURAL SCIENCES MATHEMATICS
PRE-ENGINEERING**

The division of natural sciences and mathematics includes the departments of biology, chemistry, physics, and mathematics. This division also offers courses in pre-engineering under the cooperative programs established with Drexel University, Lafayette College, and Pennsylvania State University.

The courses in the various departments of this division are designed primarily to give professional training to students who elect to major in one of the natural sciences or mathematics, or to prepare for a subsequent study of engineering or for post-graduate work in mathematics, the sciences, or in the medical professions. Courses in this division also provide the more



limited scientific training required by students majoring in the humanities or in the social or life sciences. Those seeking a cultural understanding of any of the natural sciences may, with the permission of the instructor, omit the laboratory work of the elementary courses. Completion of a laboratory course is, however, required for graduation.

DIVISIONAL COURSE

111-112. Physical Science.

A year's course presenting physics and chemistry together for the students with little or no prior experience in them and for the non-science major wishing a general understanding of the methods of science. The discovery approach to learning will be emphasized in the laboratory.

Topics covered will include: matter and its properties, waves and particles, atomic theory and structure.

Three hours discussion and one laboratory period a week.

BIOLOGY

Messrs. Harrison, Banks, Hoegerman, Houser; Mrs. Farny

A major in biology is designed to prepare the student for graduate work in biology or for the medical professions. The minimum requirements for the major are (1) Physics 103-104 (which requires Mathematics 103 and 104 along with this course), (2) Chemistry 101-102 and 203-204, and (3) Biology 103, 104, 201, 202, 301, 302. In addition, a major is required to take two additional semester courses in biology and the seminar plus Mathematics 114, 121-122, 221-222.

Anyone wishing to concentrate in biology, but unwilling to take the time needed to fulfill these requirements, may major in general science with concentration in biology.

Each course is a full course unless otherwise indicated.

101-102. General Biology.

A general course designed to explore the life processes of organisms beginning with the cell as the fundamental unit of structure and function. It treats both the plant and the animal kingdoms. It is considered a terminal course in biology for the student who intends to study only one year of college biology. Three hours lecture and one laboratory period per week.

103. General Zoology.

The fundamental principles of biology are presented with emphasis on animals, including a survey of the major animal phyla with a study of their morphology, physiology, and phylogenetic relations where they exist, and of their economic significance. Three hours lecture and one laboratory period a week. Prerequisite for all other biology courses.

104. General Botany.

The principles of botany are presented with major emphasis on the morphology, physiology, and life cycles of specimens representative of the major groups. Three hours lecture and one laboratory period a week. Prerequisite for all other biology courses.

201. Comparative Anatomy of Vertebrates.

The comparative anatomy of vertebrates is presented with special reference to the dogfish, mud-puppy, and cat. Two hours lecture and two periods of laboratory. This course is followed by 202 — Developmental Biology.

Prerequisites: Biology 103, 104

202. Developmental Biology.

The comparative study of the reproduction, growth and development of vertebrates, including consideration of the various types of cells and tissues that occur. Two hours lecture and two laboratory periods.

Prerequisites: Biology 103, 104; Chemistry 101-102

301. Genetics.

Introduction to Mendelian, population, biochemical, and physiological genetics. Special consideration is given to the implications of genetics for evolutionary theory. Two hours lecture and two laboratory periods.

Prerequisites: Biology 201, 202; Chemistry 203-204

302. Vertebrate Physiology.

An introduction to metabolic activities and irritability of cells followed by a more detailed analysis of the functioning of the organ-systems of vertebrates. Two hours lecture and two hours laboratory per week.

Prerequisites: Biology 201, 202; Chemistry 203-204

303. Parasitology.

A course devoted to the consideration of mammalian parasites found in the protozoan, helminth and arthropod groups. Careful consideration is given to the life history, control and treatment for the members of the above groups. Two hours lecture and two laboratory periods.

Prerequisites: Chemistry 203-204 and advanced standing (4 semesters) in biology

305. Biological Techniques.

A course, mainly histological, but including some of the techniques for parasitology, protozoology and blood work. Two hours lecture and two laboratory periods. Should be followed by 308—Histology.

Prerequisites: Chemistry 203-204 and advanced standing (4 semesters) in biology

308. Histology.

A course in normal mammalian histology. Two hours lecture and two laboratory periods.

Prerequisites: Chemistry 203-204 and advanced standing in biology

401. Microbiology I.

Introduction to microorganisms with special emphasis on bacteria, bacterial cytology, nutrition, metabolism, immunology and genetics. Laboratory work includes systematic study of bacteria, quantitative methods and control of microbial populations.

Prerequisites: Chemistry 203-204 and advanced standing in biology

402. Microbiology II.

Consideration of pathogenic microorganisms, immune mechanisms, the pathogenic state and serology. Laboratory exercises include the cultivation, isolation, and physiology of a representative number of forms and immunological and serological exercises.

Prerequisite: Biology 401

408. Cell Biology.

A lecture in modern concepts in cellular and subcellular morphology and function.

Prerequisites: Chemistry 203-204; Physics 101-102; Biology 302, 308

411-412. Special Problems in Biology.

Advanced topics in biology will be discussed in seminars. Honor candidates and students of high standing may conduct independent research projects. Either semester may be taken alone. ($\frac{1}{2}$ or 1 credit, depending on amount of work done)

Open only to seniors

CHEMISTRY

Messrs. Rudd, L. D. Johnson, W. T. M. Johnson, Smucker, Subba Rao

A major in chemistry consists of the satisfactory completion of the courses in Chemistry 101-102, 201, 202, 301, 302, 203-204, and 402; in Physics 103-104; and in Mathematics, Calculus I, II, and III and Linear Algebra (121-122, 221, 306). Chemistry majors are required to take Seminar, 310-311, in their junior and senior years. Chemistry majors will complete satisfactorily second year German or, with special permission from the department, second year French. Chemistry 401 and/or 403, and Programming are recommended. Students will not be accepted as majors unless they have achieved an average of C or better in chemistry courses at the end of their sophomore year.

Majors who plan to go to schools of medicine, dentistry, or veterinary medicine may elect advanced biology courses instead of Chemistry 302, 402 and Linear Algebra. Such students will not ordinarily be recommended for graduate work in chemistry or to industry.

Each course is a full course unless otherwise indicated.

101-102. General Chemistry.

The course is required for all science division majors. It is prerequisite to all other chemistry courses. The basic principles of chemistry are presented and illustrated with descriptive material. Emphasis is placed on the structure of matter, including atoms and molecules, the laws of gases, stoichiometry, solution chemistry including acid-base, oxidation-reduction, solubility, and complex ions, and chemical equilibria. A major portion of second semester laboratory is devoted to qualitative analysis. Three hours lecture, one hour recitation, and one three-hour laboratory per week.

201. Quantitative Analysis.

This course is required for all chemistry majors and is prerequisite to physical chemistry. The subject matter consists of aqueous ionic equilibria and elementary chemical thermodynamics. The laboratory experiments involve quantitative analytical determinations that are gravimetric, volumetric, and simple instrumental. Three hours lecture and six hours laboratory.

202. Physical Chemistry I.

The material discussed includes gases, thermodynamics, solutions, chemical kinetics, and electrochemistry. Completion of Calculus I and General Physics I is required. Three hours lecture and six hours laboratory.

203-204. Organic Chemistry.

The chemistry of aliphatic and aromatic compounds is integrated and studied according to similar functional groups. Emphasis is placed upon mechanisms of reactions and correlation of structure with chemical properties. The laboratory includes separation, purification and synthesis of organic compounds. Three hours lecture, five hours laboratory per week and one hour problem solving.

Prerequisite: Chemistry 101-102

301. Physical Chemistry II.

The material discussed includes atomic structure, the chemical bond, molecular structure, the solid and liquid states, chemistry of surfaces, and radiation and photochemistry. Three hours lecture and six hours laboratory.

Prerequisite: Chemistry 202

302. Physical Chemistry III.

The wave-mechanical basis of atomic structure is discussed. Quantum mechanical laws are applied to problems of bonding. Physical methods of determining molecular structure are considered. Completion of Calculus I, II and III, Linear Algebra, and General Physics is prerequisite. Four hours lecture per week and occasional laboratory.

310-311. Seminar.

Participants present at least one oral report each semester on a special chemical problem or on a topic of current interest. Meetings are scheduled for one and a half hours once a week. Required of junior and senior chemistry majors. Non-credit, non-graded course.

402. Instrumental Analysis.

A study of the principles and practices of modern instrumental analytical methods. Topics include: visible, ultraviolet, and infrared spectroscopy, electroanalytical methods, gas chromatography, and nuclear magnetic resonance spectroscopy. Physical Chemistry 301 and 302 are required, but permission may be granted by the instructor for a student without 302 to enroll. Three hours lecture and six hours laboratory.

403. Inorganic Chemistry.

Principles developed in Physical Chemistry I, II, and III will be applied to inorganic systems. Valence theory and complex ion chemistry will be emphasized. The student will be required to learn descriptive material independently. Three hours lecture and six hours laboratory.

Prerequisites: Chemistry 202, 301, 302

405-406. Chemical Research.

Independent laboratory and library work by the student directed by a member of the department. Will require about eight hours a week of work. Restricted to junior and senior chemistry majors with permission from the department head.

407. Advanced Organic Chemistry.

Organic reactions and mechanisms will be discussed according to reaction type. Selected topics from physical or organic, heterocyclic and acid-base chemistry will be discussed. This course is designed to supplement the first year of organic chemistry for those students planning to enter graduate school in chemistry or medicine. The laboratory will involve the planning and the execution of a multi-step organic synthesis. Three hours lecture and laboratory as needed.

Prerequisite: Chemistry 203-204

PHYSICS

Messrs. Christensen, Burkhardt, McCreary, Tsai

For a major in physics the following courses are required: Physics 103-104, 203, 204, 6 other one-semester courses in physics; Mathematics 121-122, 221-222; Chemistry 101-102. If possible Mathematics 121-122 should be taken in the freshman year.

Each course is a full course unless otherwise indicated.

103-104. General Physics.

Mechanics, heat, sound, electricity and magnetism, light, modern physics. A student who has not taken Mathematics 103-104 must take either pair concurrently. Three hours lecture and one laboratory period.

203. Introduction to Modern Physics.

The failure of the classical theories of physics and the twentieth century developments which replaced them. Includes elementary optics, special relativity, and quantum theory. Three hours lecture and one laboratory period.

Prerequisites: Physics 103-104
Concurrently: Mathematics 121

204. Intermediate Electricity and Magnetism

Electric and magnetic fields, the electric potential, D.C. and A.C. circuits, Maxwell's equations in integral form. Three hours lecture and one laboratory period.

Prerequisite: Physics 203
Concurrently: Mathematics 122

309-310. Mechanics.

Newton's laws, the one- and two-body problems, conservative forces, conservation laws, non-inertial coordinate systems, rigid-body motion, Lagrange's equations, Hamilton's equations.

Prerequisites: Mathematics 121-122, Physics 203, 204
Concurrently: Mathematics 221-222

311-312. Thermodynamics.

First semester: Temperature, equations of state, the first and second laws of thermodynamics and some consequences, thermodynamic potential functions. Second semester. Additional topics including kinetic theory and an introduction to statistical mechanics.

Prerequisites: Mathematics 121-122, Physics 203, 204
Concurrently: Mathematics 221-222

405-406. Theoretical Physics.

Vector analysis with applications to fluid dynamics and electricity and magnetism; the differential equations of Legendre, Bessel, Hermite, and Laguerre with applications to wave motion, heat conduction, and the quantum-mechanical harmonic oscillator and hydrogen atom; Fourier series and integrals; elements of complex variable and potential theory; integral equations.

Prerequisites: Mathematics 221-222, Physics 103-104

407-408. Electromagnetic Theory.

Electric and magnetic fields, the scalar and vector potentials, boundary-value problems, Maxwell's equations, electromagnetic waves, relativistic theory.

Prerequisites: Mathematics 221-222, Physics 309-310

409-410. Atomic and Nuclear Physics.

Relativity; Schroedinger quantum mechanics; applications in atomic, nuclear, and solid-state physics. Three hours lecture and one laboratory period.

Prerequisites: Mathematics 221-222, Physics 309-310

411-412. Special Topics in Physics

Consists of independent study to be supervised by a faculty member of the department. The nature of the work undertaken is to be decided by the student and the supervisor. The student may study extensively some topic in the literature of physics or concentrate on a research project. The investigation may be experimental, theoretical or both. Open to honors students and to students of high standing with the permission of the department chairman.

PRE-ENGINEERING, GEOLOGY, AND GRAPHICS

Messrs. Thompson, Tsai

For a major in pre-engineering the following courses are required: Physics 103-104, 203, 204, 309-310; Mathematics 121-122, 221-222; Pre-engineering 102; Chemistry 101-102. If possible Mathematics 121-122 should be taken in the freshman year.

101. Engineering Drawing and Descriptive Geometry.

Preparation of detail working drawings and assembly drawings. Principles of pictorial drawings. Developments and intersections of geometric surfaces, and point, line and plane problems in descriptive geometry. Required of pre-engineering students.

102. Engineering Drawing.

Orthographic projections, auxiliary views, sections, standard dimensioning including limits, tolerances, and allowances, conventional representation of fastenings, detailing and assembly drawings. Required of pre-engineering students.

201. Geography.

An introduction to landforms and climate, presented as factors influencing man. The map is applied as the basic tool of geography to three groups of data; surface features, population, and culture. World patterns are evolved.

202. Geology.

An introduction to physical geology with emphasis on minerals, rocks, and engineering applications.

For further details on pre-engineering see pages 57-58.

MATHEMATICS

Messrs. Frankowsky, Kittappa, Mukhopadyay, Pierce; Mrs. Kline,
Mrs. Redding.

The courses in the department of mathematics are designed primarily to fulfill the needs of a major in the field.

The major requirement in mathematics consists of 10 courses beyond the 120 level course and must include Mathematics 121-122, 221-222, 305, and 306. Any substitutions must have departmental approval. Entering students who plan to major in mathematics must take Mathematics 121-122 during their first year. No one should elect to major in mathematics unless he has shown considerable aptitude and skill in Mathematics 121-122. Students majoring in mathematics are also required to take at least one year of physics and a course in logic.

All students of mathematics are required to follow what is considered a basic sequence. This sequence consists of Mathematics 103, 104, 121-122, and 221-222 and must be taken in that order. Under no circumstances will a student be admitted to any course unless its prerequisites have been attained.

Students of the physical and chemical sciences should elect Mathematics 222 and/or 306 after the completion of Mathematics 221.

All majors in mathematics and students in the allied sciences must consult their adviser prior to registering for any course in mathematics beyond the basic sequence. All students planning to major in mathematics must have departmental approval prior to the beginning of their junior year.

Each course is a full course unless otherwise indicated.

BASIC COURSES

(Given each year)

103. College Algebra.

Functions and graphs; quadratic equations and systems of quadratic equations; ratio, proportion and variation; progressions; binomial theorem; elementary theory of equations; synthetic division; permutations, combinations, probability; determinants.

Prerequisites: one unit of algebra and one unit of geometry

104. Plane Trigonometry.

Measure of angles; trigonometric functions and their graphs, logarithms and exponential functions; radian measure; trigonometric identities and equations; solution of triangles, inverse functions; De Moivre's theorem.

Prerequisite: Mathematics 103

107. Finite Mathematics (Formerly Mathematics 102).

A course designed for students in the social sciences. The aim of the course is to give the student a working knowledge of the areas of mathematics that are most applicable to his particular discipline. Among the topics studied will be elementary matrix algebra; linear programming; basic probability and statistics; elementary concepts of calculus.

Prerequisite: Mathematics 103

114. Elementary Statistics.

Designed for students who need an elementary knowledge of statistics. The basic ideas of descriptive and inductive statistical methods are considered, including frequency distributions, descriptive measures, probability and sampling, prediction and correlation, index numbers and time series.

This course is not open to majors

Prerequisite: Mathematics 103

121-122. Elementary Calculus.

First semester: The straight line; functions; limits; continuity; derivative of the algebraic functions with applications to velocity and rates; extrema; curve plotting; differentials; Rolle's theorem, law of the mean; the indefinite integral; plane analytic geometry.

Second semester: The definite integral; applications of integration to area, volume, moment of inertia and work; differentiation and integration of trigonometric, inverse, exponential and logarithmic functions; transformation of the plane; length of a curve; area of surfaces.

221-222. Intermediate Calculus.

First semester: Methods of integration; application of integration to physics — moments, centroids, theorems of Pappus, hydrostatic pressure, work; hyperbolic functions; polar coordinates; parametric equations; vectors in two dimensional spaces.

Second semester: Three dimensional vector analysis; quadric surfaces; partial differentiation, multiple integration and their applications; infinite series.

ELECTIVE COURSES

(Given in alternate years or on demand)

205. Introduction to Programming and Computing.

A first course in computer programming with emphasis given to the FORTRAN language. The course will guide the student in creating strategies for problem solving on a digital computer.

207. Introduction to Probability.

The algebra of sets; probability in finite sample spaces; random variables and probability functions including the mean, variance, and joint probability functions; binomial distribution and some applications. *Offered in 1970-71.*

211. College Geometry.

Advanced topics in Euclidean geometry; basic topics in non-Euclidean geometry. (Designed for prospective high school teachers of mathematics). *Offered in 1970-71.*

303-304. Introduction to Mathematical Statistics.

First semester: Distributions of random variables; conditional probability and stochastic independence; special distributions including the t and the F distributions; moment generating techniques; limiting distributions and the central limit theorem.

Second semester: Sufficient statistics including the Rao-Blackwell theorem; the Rao-Cramer inequality; maximum likelihood estimation of parameters; decision functions; testing hypotheses; analysis of variance. *Offered in 1971-72.*

Prerequisite: Mathematics 222

305. Algebra I (Introduction to Modern Algebra).

Set theory; number theory; functions and mappings; permutations; theory of groups; theory of rings and ideals — homomorphism and isomorphism, integral domains, equivalence classes, residue classes. *Offered in 1970-71.*

306. Algebra II (Introduction to Linear Algebra and Matrices).

Vector spaces — subspaces, basis, dimension, isomorphism; linear transformations; matrices — matrix operation, rank, equivalence relations, characteristics, functions of matrices; metric concepts. *Offered in 1970-71.*

321. Differential Equations.

An elementary course in differential equations with applications to geometry and physics.

402. Introduction to Numerical Analysis.

Error analysis; finite differences; interpolation; numerical differentiation and integration; differential and difference equations; least squares and their applications. Solutions of all problems will be by computer techniques. A knowledge of FORTRAN is mandatory. *Offered in 1970-71.*

403-404. Advanced Calculus.

A rigorous development of the fundamentals of analysis. First semester: sets, sequences, functions, limits, mean value theorems, definite integral, Taylor's theorem, improper integrals, set functions, infinite series, uniform convergence, power series. Second semester: improper integrals with parameter; gamma functions; transformations; curves and arc length; extremal problems; integrals over curves and surfaces; Green, Gauss, and Stokes theorems. Offered in 1972-73.

407. Introduction to Complex Variables.

Algebra of complex numbers; analytic functions, limits, continuity, derivative, Cauchy-Riemann conditions; elementary functions—exponential, trigonometric, hyperbolic, logarithmic; integration—contour integration, winding number, Cauchy integral theorem and formula, Morera's theorem, Liouville's theorem. Offered only on demand.

411. Elementary Topology.

A beginning course in topology. Topics to be studied will be infinite, countable and uncountable sets, real number system, general topological spaces, metric spaces, arcs and curves. The axiom of choice, Zorn's lemma and the well-ordering theorem. Offered only on demand.

DIVISION III THE SOCIAL SCIENCES

Courses in history, political science, anthropology and sociology, psychology, black studies, education, economics and general business, and physical education are included in the division of the social sciences.

The division of the social sciences aims to equip the student with an understanding of the civilization in which he lives and with an understanding of the historical background of that civilization. Each student is required to take a minimum of three courses in three different disciplines chosen from the social sciences.

Students majoring within this division frequently enter one or another of the professions, such as law, teaching, or the ministry. In recent years many students have prepared for vocations in public life, especially for federal, state, or local civil service careers or administrative careers in other countries. However, the first object of the division is not occupational training as such, but to help students understand the economic, political, racial, and social elements of society. Social science courses attempt to relate these influences to national life and beyond that to the world scene.

DIVISIONAL COURSES

Mr. Inyang, Mrs. Brown

Each course is a full course unless otherwise indicated.

201. Social Science.

An interdisciplinary one-semester course repeated each semester dealing with a particular current problem in the social sciences and using materials and staff personnel from the departments of sociology, economics, history, political science and psychology. Each year a different contemporary problem will be the basis of the course.

210. Social Institutions.

The study of selected institutions of socialization and social control including the family, education, religion, the community and legal and welfare institutions. (The department is including in the above course some of the content formerly in Sociology 101 and Marriage and the Family 301.)

HISTORY

Messrs. Jones, Dickerson, Foner, Gunn,
Lerner, Russo, Winchester

Requirements for a history major include completion of 10 one-semester courses including Historical Methods 401-402, two courses in history of black people in United States, one course in general United States history, one course in a field of western civilization and one course in non-western civilization. In addition, each history major must complete one January Term project in the field of history.

Each course is a full course unless otherwise indicated.

101-102. Modern European History.

This is a basic introduction to the study of history. Two sessions per week are conducted as lectures, two other sessions each week are conducted with small groups engaging in discussion under the direction of the instructor. The first semester covers the development of Europe from the close of the Middle Ages to the revolutions of 1848. The second semester covers the period from 1848 to 1939. Writings of contemporary authors and historians with varying points of view supplement the use of a basic text.

104. Twentieth Century History.

This course gives broad world coverage of events of the century and stresses the background of current affairs, starting with the origins of World War I and continuing to the present.

105-106. History of the United States.

The first semester covers the period from the first explorations to 1865, with emphasis on the following topics: the expansion of Europe in the 16th century, life in the colonies, the growth of American political institutions, and the sectional conflict. The second semester covers the period from 1865 to the present, with particular emphasis upon political and social developments.

107-108. History of East Asia.

This course is an elementary survey of the historical development of the major East Asian countries from circa 600 B.C. to modern times. The first semester deals primarily with the formation of the traditional culture and government of East Asia. The second semester concerns the impact of the West on East Asia, starting with the Opium War and ending with the Communist Revolution in China. Special emphasis will be on a comparison of the response of China and Japan to Western ideas and technology.

201-202. Ancient Civilization.

The first semester deals with the development of organized societies with particular emphasis upon Egypt, Babylonia, Persia and Greece. The second semester covers the rise and fall of the Roman state.

203. The Colonial History of the Americas.

This course studies the colonial history of North and South America from the age of exploration and discovery to the struggle for independence. *Not offered in 1970-71.*

204. Latin American History.

This course traces the economic and political history of the South and Central American nations since 1800. Emphasis is placed upon the relation of Latin America to the interests and policy of the United States. *Not offered in 1970-71.*



205. History of Black People in the United States.

The first semester of this course covers the period from the African background to the outbreak of the Civil War. It includes early history and the era of slavery and traces the important movements, including protest movements, to the outbreak of the Civil War.

206. History of Black People in the United States.

The second semester of this course commences with the end of slavery, then treats Reconstruction, the Betrayal of Radical Reconstruction and the basic problems which have emerged both in the South and North with emphasis on the protest movements emerging in the twentieth century until World War I.

207-208. History of England.

This course traces the growth of English life from Anglo-Saxon times to the present, dealing with the major political, constitutional and economic developments of the country. It is designed to meet the needs of pre-law students and English literature majors as well as the interests of history majors. *Not offered in 1970-71.*

209-210. Economic History of the United States.

This course is a survey of the economic development of the United States from the colonial period to the present, with particular emphasis upon the development of the labor movement. It is designed to examine the growth of economic life and also to impart a broader understanding for the historical study of economic principles and problems, with special reference to labor problems. *Not offered in 1970-71.*

211. History of Africa in the Twentieth Century.

This is a general survey course in African history since the late nineteenth century partition. Starting with the events that accompanied the Berlin Conference, it traces the conflicts for control of the continent and concludes with the independence movements and the establishment of new nations.

212. History of Black People in the Twentieth Century.

This course deals with the most recent phase of the history of black Americans. Up to World War I, the period covered in History 205-206, while attention is paid to the Northern black people, the major emphasis is on the South. But with the great migration of World War I to the north and the rise of the Northern black ghettos the emphasis turns increasingly to the North while the South is by no means neglected. Events of the World War II and post-war era are included.

301-302. Medieval History.

The first semester deals with the decline of Rome and the evolution of medieval society, emphasizing the basic characteristics of feudalism and the cultural life of Europe to 1200 A.D. The second semester covers the transition from medieval to modern society with treatment of non-European as well as European influences. *Not offered in 1970-71.*

303-304. Seminar in History.

A select number of students will pursue particular topics under the direction of the instructor. Emphasis will be placed upon the use of primary sources, and students will be expected to present oral and written reports from a variety of historical fields. *Not offered in 1970-71.*

305-306. History of Russia.

The first semester traces the growth and consolidation of Russia from the early movements of the Slavs and Varangians through the growth of Muscovy and the rise of the Tsars. The semester ends with the study of the Napoleonic wars. The second semester treats the reform and revolutionary movements of the 19th century and the organization of the communist state in the 20th century.

Prerequisite: History 101-102

307-308. History of Africa to 1885.

The first semester deals in a summary fashion with the geographical and ethnological background of African history, concentrating on the data of pre-historic and early historic archaeology and on the ancient and medieval history of Africa (to the 16th century). The second semester treats the history of the period of European exploration and expansion in Africa, from 1500 to the partition of Africa (1885).

Prerequisite: History 101-102 or permission of the instructor

309. United States Intellectual History.

The main trends in the growth of American thought, from the Puritans in the 17th century through the naturalism and pragmatism of the late 19th century, are treated in this course. *Not offered in 1970-71.*

Prerequisite: History 105-106

310. European Intellectual History.

The course treats various aspects of the subject, such as socialism, communism, liberalism, nationalism, or related topics. *Not offered in 1970-71.*

Prerequisite: History 101-102

311. Intellectual History of East Asia.

The course deals primarily with the historical development of Chinese thinking, discussing in detail the classical strains of native thought. Confucianism, Taoism, the challenge of Buddhism, and the intellectual impact of western thinking on the Chinese mind; from the Confucian reformers of the 19th century to the modern communists. Enrollment by permission of the instructor. *Not offered in 1970-71.*

312. Urban History of United States.

This course covers the rise and development of the city and of urban life in United States from the earliest beginnings to the present. *Not offered in 1970-71.*

313-314. Diplomatic History of the United States.

This course traces the major developments in foreign policy and diplomacy from the time of the American revolution to the present.

401-402. Historical Methods.

For history majors. The course emphasizes concepts of historical causation, theories of history, basic bibliography and techniques of historical research through assignment of research problems.

Prerequisites: a minimum of twelve hours in history

POLITICAL SCIENCE

Messrs. R. Stevens, Moleah, Anderson, Sullivan; Miss Atherton

Majors in political science must complete twelve courses in the area, among which the following are requirements: 101 Elements of Government; 103 American Government; 300 Man and the State I; 301 Man and the

State II. In addition, one course in each of the following areas must be included: American government and politics (212, 213, 305, 306, 307, 309, 310, 313, 401); comparative government and politics (207, 208, 209, 210, 403); international politics (204, 205, 303, 311, 312). Although twelve courses are required in political science, the student may apply to the chairman during the senior year to substitute one or two *related* courses from other departments. Political science majors must complete two January projects under the direction of the political science department; the project during the senior year must be in political science.

Each course is a full course unless otherwise indicated.

101. Elements of Government.

An introduction to the study of governmental processes and institutions, political behavior. Required for all majors.

103. American National Government.

The organization and operation of the national government, from the standpoint of constitutional principles, structure and functions, programs and policies. Required for all majors.

Prerequisite: Political Science 101

204. International Politics.

The political relationships among nations with special emphasis upon, first, historical and contemporary concepts and practices of imperialism, balance of power, and national sovereignty; and second, the role of ideologies and the limitations on national power in the nuclear age.

Prerequisite: Political Science 101

205. American Foreign Policy.

American foreign policies since 1945, with emphasis on, first, the major domestic and foreign determinants of these policies; and second, analysis of the major problems of contemporary American policies, including the impact of Communism, the division of Europe, and the challenge of revolution in modernizing societies.

Prerequisites: Political Science 101 and 103

207. Comparative Political Processes.

Comparative study of contemporary political processes in selected western and non-western countries. Political cultures, processes of socialization and the role of interest groups as well as actual governmental institutions will be emphasized.

Prerequisite: Political Science 101

208. Comparative African Politics.

The comparative politics of selected states in east and west Africa; Guinea, Ivory Coast, Nigeria, Ghana, Liberia, Ethiopia, Tanzania and Somalia. Institutions and political processes are analyzed with attention to emerging relations among African states.

Prerequisite: Political Science 101

209. History and Politics of the Middle East and North Africa.

The spread of Islam and the rise and decline of the Arab and Ottoman Califates. Emphasis on the development of Arab nationalism, the colonial impact and independence movements in North Africa and the Middle East, analysis of post-independence political development.

Prerequisite: Political Science 101

210. Latin American Politics and Government.

The political evolution of Latin America; factors conditioning governmental organizations and policies; case studies of selected states.

Prerequisite: Political Science 101

211. Black America and U.S. Foreign Policy

The nature of black American involvement or non-involvement in the formulation and execution of American foreign policy. An historical and analytical treatment of the American international power position from a black perspective. Proposed alternate years.

300. Man and the State I.

The State as the most universal form of human association; concepts of individual freedom and group responsibility considered historically and analytically.

Prerequisites: Political Science 103 and three additional courses after 101. Required of all majors.

301. Man and the State II.

The State as the most universal form of human association; concepts of individual freedom and group responsibility considered historically and analytically.

Prerequisites: Political Science 103 and three additional courses after 101 and Man and the State I. Required of all majors.

305. American Political Parties.

Structure and role of political parties and pressure groups as instruments of decision making at the national, state and local levels.

Prerequisite: Political Science 103

306. Black Politics.

The role and techniques of the black community in American politics at the local, state and national levels. Intensive study will be given to the interests and programs of black political action groups and political strategy and tactics for achieving them.

Prerequisite: Political Science 103

307. Revolution in the Third World.

An historical and analytical treatment of selected "Third World" revolutions as they have developed; first, in response to western economics or political forces; second, have evolved an ideology based on Marxist-Leninist assumptions; or/and have taken the form of military-guerrilla confrontations. After surveying the major postulates of Marx and Lenin, the Mexican, Vietnamese, Cuban, Algerian, Portuguese, Guinean and Palestinian armed operations will be discussed in seminar-lecture form. Revolutionary ideological formulations of Debray, Giap, Arafat, Nasser, Fanon, Ben Bella, Nkrumah and Cabral will be assessed.

Upper division students, non-majors with permission of the instructor.

309. Public Administration.

The organization and operation of administrative agencies at the national, state and local levels; principles and practices of administrative structure; relations with legislative and judicial agencies.

Prerequisite: Political Science 103

310. Personnel Management.

Principles and practices of personnel management in the public and private sectors. Materials will be drawn from industry and business and from governmental and civic agencies. Personnel organization and methods will be compared.

Prerequisite: Political Science 103

311. Politics of Southern Africa.

Common historical, economic and political factors operating in southern Africa. Focus on South Africa with attention to South West Africa and other minority controlled areas. The problems of adjacent black states, consideration of nonindependent Africa in international and Pan-African relations.

Prerequisite: Political Science 101

312. International Organization.

The role of the United Nations, specialized agencies, regional organizations (e.g. NATO, OAS) in international affairs. Special attention is given to the process and problems of building and institutionalizing political community at the interstate level.

Prerequisite: Political Science 101

313. Judicial Behavior.

The federal and state courts in the political process; the judiciary as an integral part of policy-making and policy-execution; and examination of the policy significance and consequences of what judges do and how they do it.

Prerequisite: Political Science 103

314. Urban Politics

The purpose of this course is to study in-depth the political groups that make decisions in the city and their responses to urban problems. Special emphasis will be given to comparative urban problems of U.S. cities and their relationships to state, federal and other local governments.

317. Legislative Behavior.

This course will relate the formal rules and the informal codes of behavior that govern members of legislative bodies. Such bodies will be examined at the state and federal levels and an attempt will be made to develop a general theory of legislative behavior. Proposed alternate years.

401. American Constitutional Law.

The role of the Supreme Court in the American political system through analysis of leading cases. Special emphasis is placed on First Amendment Freedoms, Due Process of Law and Civil Rights.

Prerequisite: Political Science 313

403. African Seminar.

Selected problems in African political development.

Prerequisites: Political Science 101 and at least one of the following courses: 208, 209, 311

405. Selected Topics in Political Science.

Seminar to be offered at the discretion of the department on topics considered to be of interest to students. Topics to be publicized in advance of preregistration.

410. Honors Seminar.

An honors seminar is provided for selected students who have demonstrated exceptional academic potential and interest. This seminar introduces the student to the newer conceptual approaches of the discipline and acquaints him with the modes of analysis to the study of political analysis.

411. Honors Seminar.

An honors seminar is provided for selected students who have demonstrated exceptional academic potential. This seminar will deal with the concept of power: its definition, basis, exercise, and transfer. There will be extensive writing and reading assignments.

SOCIOLOGY AND ANTHROPOLOGY

Messrs. Gunn, Greifer, Lerner, Syphers; Mrs. Carter, Mrs. Lakshman

Requirements for a major in sociology-anthropology: eight regular course units plus at least one January Term course in the department. One of the eight units may be Social Science 201.

Students may elect to concentrate in one or more of the following fields, and should be guided by the requirements listed in each concentration:

- (a) Sociology: 101; 201; 305 plus either 306, Psychology 402, an advanced mathematics statistics course, or the second semester of a field work course; a field work course such as 310 or 311; 318; and 332 or any 400 level course within the department.
- (b) Anthropology: 101; 201; any research course such as 305 or Psychology 402; a field work course such as 310 or 311; 408 or 409; and three other courses (including related courses in other departments) with the approval of the anthropology adviser.
- (c) Social Welfare: 101; 201; 305; 310-312; 318; and 332 or any 400 level course within the department; a January Term course involving field work is required.

Each course is a full course unless otherwise indicated.

101. Introduction to Sociology.

An introduction to the basic concepts of sociology, including socialization, groups, institutions, and social change.

Prerequisite to all other courses in the department

201. General Anthropology.

An introduction to the science of man and his works in the light of the findings of physical anthropology, cultural anthropology, archaeology, and linguistics.

301. Marriage and the Family.

The study of the family as a social institution, including the parent-child relationship and its influence on child growth and personality development, mate selection, marital adjustment, parenthood, and family disorganization.

302. Race Relations.

The problems of racial and ethnic groups in the world with special emphasis upon race relations in the United States.

303. Cultural Anthropology

An introduction to world-wide ethnographic literature; a study of the whole culture of selected societies through standard monographs.

Prerequisite: Sociology 201

304. Prehistory.

An introduction to archaeological theory and method, followed by a survey of the prehistoric development of man and world culture in the light of archaeological evidence and current theory.

Prerequisite: Sociology 201

305-306. Social Research.

Basic research methods in sociology, including survey and case techniques, participant-observation, and preparation of research reports. The second semester emphasizes application, both in terms of projects and analysis of classical sociological contributions.

310. Introduction to Social Work.

Basic concepts and practices in the fields of social work and corrections, including casework, group work, and community organization. Field work is included.

311. The American Community.

A study of the spatial aspects and social processes of community development and community organization as influenced by historical, ecological, sociological, and political factors. Various modes of community action and leadership will be studied using case methods and field work.

312. Conflict, Problems, and Planning in American Communities.

Origins, concepts, and methods used to bring about planned social change, including analysis of different techniques as applied in various settings. Case studies and field work will be included.

313. The Dynamics of Organization and Group Behavior.

The study of groups, interpersonal relations, the use of groups to serve individual needs, and the efficient operation of groups to achieve goals. Analysis of organizational structure and function, and the role of the professional in organizations will be included. This course is especially designed for potential community organizers, lay leaders, and social workers. Field work is included.

314. Crime and Delinquency.

Characteristics, causes, and correction of crime and delinquency, including discussion of various theories of deviant behavior and social disorganization.

315. Prevention and Treatment of Crime and Delinquency.

The study of developments in the field of corrections, crime prevention, control, and penology, with emphasis on practical application in the form of field work and training. Normally taken following Sociology 314.

317. The Social Psychology of Human Relations.

The study of the major theoretical and methodological contributions of social psychology. The course will focus on developing the student's ability to choose among those in order to gain practical research experience.

318. Sociological Theory.

An introduction to the history of sociological theory from the French Revolution to the present, with emphasis on application to contemporary theoretical problems.

319. Urban Sociology.

An introduction to the study of urban society and the urbanization process, with emphasis on the western world. The characteristics of the city, its ecology, institutions, and problems, will be covered.

320. Urban Anthropology.

The social anthropological study of urban situations, including the socio-cultural aspects of urbanization and industrialization as a process; with emphasis on Africa and other developing regions.

321. Ethnology of West Africa.

A survey of the traditional institutions and cultures (including the languages) of the peoples of the Guinea coast, the western and central Sudan and the Congo Basin. *Offered alternate years.*

Prerequisite: Sociology 201

322. Ethnology of Eastern Africa.

The peoples and cultures of the eastern Sudan, the East Horn (Ethiopia and Somaliland), and Greater East Africa (the East Coast and hinterland, South and Southwest Africa). *Offered alternate years.*

Prerequisite: Sociology 321

332. Political Sociology.

The study of the relationship of political systems to social conditions, including attention to such concepts as mass, class, and power.

341-342. Field Work in Community Organization.

A double-credit field work course in community organization involving a supervised experience in a Philadelphia neighborhood together with a formal seminar oriented to the subject of the American community and community organization.

401. Collective Behavior.

The study of crowds, masses, social movements and other less formal social phenomena. *Offered alternate years.*

Prerequisite: At least two 300 level courses in sociology-anthropology.

402. Complex Organizations.

The study of more formal organizations including the functions and dysfunctions of bureaucracy, trends in management, and individual and group reactions to organizational life. *Offered alternate years.*

Prerequisite: At least two 300-level courses in sociology-anthropology

403. Community Problems.

Independent reading course; paper required. In-depth exploration of one or more related community problems for students engaged in off-campus community work projects; conferences scheduled with the instructor.

Prerequisite: permission of instructor; approval by department chairman of off campus project.

NOTE: (This course is to be taken in conjunction with two other recognized courses in related fields offered at Lincoln University, at Haverford College, or on site by Lincoln or Haverford faculty, to constitute an integrated semesters' experience in community organization while living in the community.)

(In 1969-70 open to a maximum of 8 majors from any department in the social science division who have had at least four units in the division and who have at least junior standing, with approval of their departmental advisers.)

408. Seminar in Sociology.

A seminar for senior majors designed to enable the student to integrate and review his work in the department.

409. Seminar in Anthropological Theory.

A seminar focusing on a selected issue in anthropological theory, with the selection changing from year to year.

Prerequisite: at least junior standing, with at least two courses in anthropology.

BLACK STUDIES

Messrs. Moleah, Thomas

A student majoring in black studies must complete ten courses which must include Black Studies 201-202, 301, 315, 401, 402 and 403. He must also elect one course from *each* of the following groups:

A. Black Studies 304, 313, 314; Political Science 306; Economics 316, 323

B. Black Studies 304, 305, 306; English 319, 320; Music 313, 321; French 403; and Afro-American Religion

C. Black Studies 302, 303, 304; Sociology 320, 202, 312; Psychology 309
In addition, two off-campus January projects must be completed under the supervision of the Institute.

For the Certificate in Black Studies, a student must complete the following courses: Black Studies 201-202, 301, 401, 402 and two other courses in black studies. He must also complete one off campus January Term under the supervision of the Institute.

Language Requirement:

Students in black studies may take Swahili or any other language in consultation with their advisers.

All students may take Black Studies 201 or 202 in fulfillment of their social science requirement.

Each course is a full course unless otherwise indicated.

201-202. The Black Experience: An Introduction to Black Studies.

A two-semester course which will deal with the total black experience, beginning in Africa and extending to the Americas and the present. It will be interdisciplinary in nature, i.e., the social, psychological, economic and political aspects of the experience will be closely examined as well as the historical. The course will be designed to prepare the black studies major for all other courses in the department and will do this largely by posing some of the pressing questions which will be considered in black studies. Guest lecturers will be used as well as any audio-visual aids deemed helpful by the instructor.

Prerequisite: sophomore standing

301. The Black Family.

The course will examine the origins of the black family in Africa; its structure and function within the total society. It will look at the effects of slavery on the family and will look at the black family within the white American context. It will analyze current ideologies regarding the role of the husband/father and wife/mother and their viability vis a vis the American situation.

302. The Black Community.

This course will look at the social, political and economic factors contributing to the development and perpetuation of the so-called ghetto and particular emphasis will be placed on the current conditions in black communities. Special emphasis will be given to the various agencies and institutions operating within black communities, such as anti-poverty programs,

departments of welfare, settlement houses, etc. The student will be encouraged to closely examine both the philosophy and programs of these institutions in order to determine their efficacy and how they relate to the power structures within communities, and what possible alternatives can be created. The concepts of power and community will be studied.

NOTE: This course will be offered in alternate years and will be interchangeable with Sociology 312 (Community Organization).

303. Education and the Black Community.

This course will examine the origins and development of the American educational philosophy and look at the relationship between that philosophy and the black community. Particular emphasis will be placed on the issue of politics and education. Education in the inner city will be a central topic and students will analyze some of the more significant school issues of the day i.e., segregation and de facto segregation, decentralization, the rise of the community college, Black Studies, etc.

304. Mass Media and the Black Community.

This will be a critical examination of the black experience with mass media including both a look at the evolution of the black press as well as the dilemma of the black with the American white press. Radio and television and the movie industry will also be considered.

305. Survey of the Black Arts.

A general survey course which will critically examine the development of artistry among black people, both in Africa and the New World. Particular emphasis will be placed on the role of the artist within the total black experience and the relationship of black art to the artistic development of the New World.

306. Black Drama.

This course will have two components. First it will deal with the development and function of the black theatre, as well as the efforts of black people to enter the American theatre. Secondly it will have a workshop which will aim at creating a Company of Players at Lincoln. Original works will be utilized as well as those of other authors.

313. The Black Man and the American Left.

A look at the involvement of black people in American left wing political and economic activities from the early Socialist and labor movement to the contemporary Communist and other radical movements. Special attention will be paid to the upsurge in radicalism among black people in the post-World War I years and during the Harlem Renaissance of the 1920's. The course will analyze the continuing lure of the Left for sections of the black population and its failure to enlist the support of the masses of black Americans; the motives of the left in alliances with black people and the effects on the movement of black people toward liberation. The feasibility of the much-discussed alliance between black people and the Left will be closely examined.

314. Racism and American Law.

This course will be designed to examine the relationship between racism and American law. It will address itself to the question of the extent to which American racism has been reflected in the country's legal system and the ways in which the legal order has abetted racism, as well as to the more general question of the power of the law as an agent of social change.

315. Research Methods and Design.

The design and techniques of effective research, with particular emphasis on the problems of research in the black community. Existing studies will be analyzed and criticized vis a vis both content and methodology. It is strongly recommended that certificate candidates take this course.

401. Racism.

This course would begin with the earliest known contacts of European explorers and traders with Africa; it would examine the initial relationship between Africa and Europe and the attitudes held by each toward the other. The differences and similarities between the two civilizations will be examined as they relate to the development and dissemination of the 'inferiority' myth about Africans and the Social Darwinism doctrine will be examined. The course will analyze the social, psychological, economic and cultural implications of racism as well as its role in the total American structure.

402. Ideologies of Black Liberation.

An examination of the patterns which have emerged in the oppression of black people and an analysis of the social and political ideologies which have arisen from the black society in response to those patterns. The origins and development of these ideologies as well as their viability will be discussed. This course will allow the students and instructor to use the readings studied in order to arrive at what seems a feasible solution for black people in the United States.

403. Senior Seminar.

This seminar is designed to integrate the Black Studies curriculum and to prepare the student for his comprehensive examination. Specific topics will be selected by the instructor, but whatever the topic, the course will provide valuable review for the student.

404. Black Studies Honors Seminar.

This course will offer the opportunity for independent and creative thought and work for those majors who have distinguished themselves academically in the department. Topics will be selected by the instructor and the director. Seniors who are qualified may take this in lieu of the Senior Seminar.

Open to juniors and above with permission of the instructor. Students should have had some field work experience.

JANUARY PROGRAM IN BLACK STUDIES

BS J-1. Topic, Black Studies: Its Meaning.

This course is designed to initiate students to black studies. It will trace the history of the demand for black studies, factors which gave rise to this demand; critically examine its legitimacy as a field of academic concern, look critically at programs now in existence and evaluate the impact of black studies (actual or expected) on the black condition. Enrollment is open to all; freshmen are especially encouraged to take it.

BS J-2. Off-campus projects will be arranged for students who qualify as black studies majors to investigate a particular aspect of the black condition.

EDUCATION

Messrs. MacRae, Watts

The courses in education aim, in general, to acquaint the student with the principles governing the growth of personality and with the role of education in the process of civilization; and in particular, to meet the formal requirements of the various states for certification to teach in the secondary field. Students who wish to qualify for a teaching certificate should begin education courses in the sophomore year.

Each course is a full course unless otherwise indicated.

201. Introduction to Education.

An overview of the aims, organization and procedures of education to provide a systematic view of the whole field. Information regarding the opportunities and requirements in education as a profession. General education for all students and professional orientation for prospective teachers. This course helps to fulfill the social studies requirement. Open to sophomores, juniors, and seniors.

202. Educational Psychology.

An introduction to the principles of psychology as involved in the field of formal education. Also a survey of the principles of learning, motivation, and personality development.

204. General Methods in Secondary Education.

The method of the teacher in the high school; classroom management; instructional materials; the guidance of the learning experience. Open to sophomores, juniors, and seniors.

301. Tests and Measurements.

Study of representative tests in the secondary field with practice in selecting and administering them. Use of measures of central tendency and variability in interpreting tests. Open to juniors and seniors.

303. Teaching Developmental Reading.

This is a course in methods of teaching developmental reading to secondary school students. *Offered in alternate years.*

401-402. Practice Teaching.

This course aims to review important theories and practices in secondary education resulting from recent experimental research, to prepare the students for a period of practice teaching in cooperating high schools, and to supervise and direct an actual teaching experience in such schools. Open to seniors.

403. Philosophy of Education.

The philosophical foundation of educational methods. A study of the three viewpoints basic to the major philosophical positions in American education. Open to juniors and seniors.

PSYCHOLOGY

Messrs. Cornwell, Durkin, King; Mrs. Gaer, Mrs. Kinsey

The courses in psychology are designed to offer (1) a broad understanding of the principles of human behavior, (2) training of the pre-professional student in techniques of human relations as applied in the major profes-

sional and vocational fields, and (3) a well-rounded orientation in systematic, experimental, and clinical psychology for students planning graduate study in this field. General Psychology 201 and 202 are prerequisite for all psychology majors. For a major six courses in psychology in addition to General Psychology are required. The following courses are required of all majors: Experimental Psychology 205 and 206, Statistical Methods 402, Advanced Statistical Methods 410, and the Psychology Seminar 403-404.

Each course is a full course unless otherwise indicated.

201-202. General Psychology.

An introductory study of general psychology designed to prepare for more advanced work in the subject.

203. Motivation and Adjustment.

A study of motivation and personality adjustments in the process of development.

Prerequisite: Psychology 201

204. Personality and Mental Hygiene.

An intensive study of personality development, structure and of the principles and procedures involved in the maintenance and rehabilitation of mental health. An autobiographical self-analysis and evaluation is required from each student as a term project.

Prerequisite: Psychology 201

205. Experimental Psychology.

An introduction to laboratory methods in experimental psychology.
Psychology 201 prerequisite or concurrent

206. Experimental Psychology.

A continuation of 205 with the design, performance, and report of an original psychological experiment required.

Prerequisites: Psychology 201 and 205

301. Seminar in Motivation.

An intensive examination of theoretical and experimental problems in motivation.

Prerequisites: Psychology 201-202

302. Social Psychology.

An intensive study of the principles of psychology in group relationships.
Prerequisite: Psychology 201

304. Abnormal Psychology.

A study of distortions of behavior resulting from disturbances and disorders in the mental and emotional aspects of human personality.

Prerequisite: Psychology 201

305-306. Clinical Psychology.

The first semester will cover theory and techniques of the clinical assessment of behavior and the second semester will cover the theory and practice of psychotherapy.

Prerequisite: Psychology 201-202

307. Developmental Psychology.

A study of human development throughout the life span.

Prerequisite: Psychology 201-202

308. Childhood and Adolescence.

An intensive analysis of the developmental tasks confronting the child from birth to early adulthood.

Prerequisite: Psychology 201-202

309. Developmental Psychology of the Black Child in the U.S.

An intensive analysis of the factors influencing the psychological growth and development of the black child in the United States.

Psychology 201 prerequisite or concurrent

310. Social Psychology of Black People in the U.S.

The dynamics of the social interactions of black people in small groups, large groups, ethnically mixed groups, the black subculture, and in the white society.

311. The Psychology of Learning: Empirical Foundations.

Survey and analysis of the learning process as it occurs in classical and instrumental conditioning, problem solving, concept formation, and perceptual organization.

Prerequisite: Psychology 201-202

312. The Psychology of Learning: Theoretical Considerations.

An intensive examination and evaluation of the major theories of learning including the reinforcement theories of Thorndike, Hull, Spence, Guthrie, and Skinner, and the cognitive theories of Tolman, Lewin, Brunswik, and others.

Prerequisites: Psychology 201-202; 311

401. Contemporary Schools of Psychology.

A survey of points of view in a selected sampling of schools of psychology.

Prerequisite: Psychology 201

402. Statistical Methods.

An introduction to descriptive statistics and computational procedures involved in deriving measures of central tendency, variability, and correlation.

No prerequisite

403-404. Psychology Seminar.

The first semester requires an intensive investigation and report by each student on a major problem in the field of psychology. The second semester consists of the independent preparation of original experimental solutions to limited aspects of problems developed in the first semester. Restricted to seniors majoring in psychology.

405-406. Physiological Psychology.

A survey and evaluation of fact and theory concerning the relationship between behavior and its physiological substrates, supplemented by training in laboratory techniques of psychophysiological experimentation. The first semester is devoted to the study of sensory functions; the second semester to motor functions, emotion, and learning. One lecture hour and two laboratory periods. 405 may be taken alone for course credit, but it is a prerequisite for 406.

Prerequisites: Psychology 201, 205, 402

410. Advanced Statistical Methods.

A continuation of 402 including statistical inference, nonparametric methods, and an introduction to the analysis of variance.

Prerequisite: Psychology 402

ECONOMICS AND BUSINESS ADMINISTRATION

Messrs. Davis, Ahmed, Chowdhury, Dixon, Jhabvala,
Knowles, Machhar, Washington

The curriculum in economics and business administration comprises the basis for a joint major, with a common "core" of work over the first two years, followed by various options from three basic areas—American Economic Problems, World Economic Problems, and Business Organization and Management. Students may, if they have the proper background in mathematics, begin the core sequence in the freshman year, but they will ordinarily be advised to postpone their economics and business work until the beginning of the sophomore year. A minimal background in mathematics, useful, but not a prerequisite for the principles level, (Economics 201) is College Algebra and Trigonometry. In addition, major students are strongly urged to take Analytic Geometry and Elementary Calculus, preferably before work in the 300 and 400 series.

The basic economics and business administration course, for those planning to major as well as those in other fields desiring some background in economics, is Economics 201, which will normally be offered in both fall and spring semesters. Major students should follow their Principles work directly with Economics 301, the two together comprising a prerequisite for a number of further courses in the field. This course, like 201, will normally be offered in both semesters. By the end of junior year all major students should have completed Economics 203 and Economics 206. Further, students primarily interested in Economics should also have completed Economics 302, and those primarily interested in business should have completed Economics 204. Together these courses provide the basic tools which both economists and businessmen need for problem-solving in today's complex world; theory is necessary background for rigorous, analytical thinking; and accounting and statistics yield knowledge and understanding of the principal data which both businessmen and economists use and the ways in which such data can be structured for empirical work.

In addition to 201, 203, 206, 207, 301, and either 204 or 302 (or both), major students must take four further courses in economics and business from among those listed below, and Economics 499, the Senior Seminar. Students should generally concentrate in one or two of the three areas outlined below, and they should also take some courses in other social science fields which are related to their work in economics and business.

Each course is a full course unless otherwise indicated.

201. Elementary Economics.

A general survey of the principles of economics as they apply to the central economic problems of any society: economic growth, economic stability, and the allocation of resources in an equitable and efficient manner.

*One lecture and three hours of seminar/tutorial meetings a week.
(to be offered in both semesters)*

203. Elementary Accounting (a).

The basic concepts and procedures of accounting theory and practice: nature of accounting, the accounting cycle, special journals and ledgers, controlling accounts, procedures for payrolls, the voucher and other controls.

204. Elementary Accounting (b).

Consideration will be given to accounting for partnerships and corporations, manufacturing accounts, special analyses, funds statements, and statement analysis.

206-207. Quantitative Methods in Economics and Business.

Frequency distributions; probability and hypothesis testing; time series; index numbers; correlation and linear and multiple regression analysis; the use of computers.

Prerequisites: Economics 201 and Mathematics 103-104

301. Price Theory and the Allocation of Resources.

The theory of household and firm behavior; market structures and performance; the theory of distribution of product; general equilibrium analysis, Pareto optimality and welfare analysis for a closed economy, an open economy and the international economy. *Offered both semesters.*

Prerequisites: Economics 201 and Mathematics 103-104

302. Income Theory and Problems of Growth and Instability.

Keynesian theory-statics, comparative statics and dynamics — incorporating income, money supply, interest rates, the general price level and tastes and technological changes in the economy.

Prerequisites: Economics 201 and Mathematics 103-104

303. Mathematical Economics.

The course is designed to give students the ability to read contemporary economic literature. The tools that will be taught and used are the calculus, differential equations and linear and matrix algebra. Emphasis will be placed on economic theory.

Prerequisites: Economics 201, 301, 302

314. History of Economic Thought.

The course will trace the history of economic thought from Aristotle to Marshall. Contributions of the contemporaries of Marshall will be explored. Major emphasis will be placed on the writings of Adam Smith, David Ricardo and Karl Marx.

321. Comparative Economic Systems.

A comparison of the three major groups of economic systems — market or mixed, centrally planned and underdeveloped — their achievements and their failures, their problems and techniques they have developed to cope with the problems.

Prerequisites: Economics 201, 301, 302

347. The Theory of International Trade.

The course will cover the basis of, and the dynamic factors in, trade; the theory of tariffs, balance of payments, adjustment policies and the problems of international monetary reform.

401. Welfare Economics.

A study of the theory behind economic welfare, and its application to the U.S. and other economies. A systematic statement of concepts — Pareto optimality, voting paradox, compensation criteria, criteria of welfare — and their use in evaluating welfare standards under various systems. Pointing out the defects in these systems and how they can be eliminated.

Prerequisites: Economics 301, 302

499. Senior Seminar.

Student papers and discussion relating the work of the major program to current economic and social issues.

AMERICAN ECONOMIC PROBLEMS

311. American Economic Development: Historical Perspective.

Natural resources, labor, capital, and technology in the United States; their growth and effect on income distribution over time; the special problem of cyclical instability; the inter-related development of the economy and predominant economic institutions involving agriculture, industry, labor, and government.

Prerequisites: Economics 201, 302

313. Monetary Theory.

Government budgeting and tax-policies and Federal Reserve monetary policies and their combined use to further objectives of economic growth, stabilization, and the efficient and equitable allocation of resources.

Prerequisites: Economics 201, 301, 302

316. The Economics of Black Community Development.

The critical problem of rapid technological change and rigid product prices in American growth and development and their effect on the well-being of the labor force, with particular reference to the black community. Special attention will be given to the problem of shifting to labor-using capital expansion in order to expand employment and raise real income in the black sector.

Prerequisites: Economics 201, 301, 302

318. Government and Business.

Government efforts to devise methods to control the agricultural and business sectors of the economy when the market mechanism fails to work in an optimal fashion.

Prerequisites: Economics 201 and 301

411-412. Selected Topics on the American Economy.

This sequence of courses will treat in considerable depth one or more problems dealing with the American economy such as labor economics and labor relations, urban economics, and regional economics.

Prerequisite: Economics 201 and consent of the instructor

WORLD ECONOMIC PROBLEMS

323. Problems of Growth in Newly Developing Countries.

Theories of economic growth with special reference to the problems of newly developing countries, including those related to population expansion, manpower constraints, domestic and foreign sources of finance, and appropriate emphasis between the agricultural and industrial sectors.

Prerequisites: Economics 201, 301, 302

326. The World Trade and Financial System.

Trade among nations and related commercial policy problems; customs unions and preference areas; gold, dollars, and the world financial systems.

Prerequisites: Economics 201, 301, 302

421-422. Selected Topics on the World Economy.

This sequence of courses will treat in considerable depth one or more problems dealing with the world economy such as international investment and/or foreign aid, regional development in Latin America or Asia, inter-regional and international economic organizations.

Prerequisite: Economics 201 and consent of the instructor

BUSINESS ORGANIZATION AND MANAGEMENT

331-332. Intermediate Accounting.

Among the topics considered are: an analysis of the treatment applicable to each balance sheet account: financial statements and net income concepts; generally acceptable accounting principles; and interpretation of financial statements. Both semesters must be taken to obtain credit. Offered in 1969-70 and alternate years.

Prerequisites: Economics 203-204

333. Cost Accounting.

Decision-making and cost controls in the modern business firm. Offered in 1968-69 and alternate years.

Prerequisite: Economics 203-204

334. Business Law.

Among the topics considered are: contracts, sales, negotiable instruments, agency, bailments, partnerships, and corporations.

335. Principles of Management.

This course deals with the fundamental concepts and the universality of management in all areas of organized group endeavor; decision-making and management. Fundamental functions: planning, organizing, actuating, and controlling. Management in selected areas.

Prerequisites: Economics 201 and Accounting 203 and 204

336. Managerial Economics.

Decision-making in the modern business firm; demand and cost analysis; inventory problems; investment problems; centralization versus decentralization and the locus of control.

Prerequisites: Economics 201, 203, and 301

337. Market Analysis.

A general survey of the various functions of marketing, the channels of distribution, and marketing practices. The course will include some work on modern linear programming techniques to solve distribution problems.

Prerequisites: Economics 201 and 301

348. International Finance.

Problems of private enterprise, governments in promoting trade, investment in industrialized and newly developing countries; the role of this activity in promoting growth and raising living standards, with special emphasis on the United States and the countries of Africa.

Prerequisites: Economics 201, 301, 302

431-432. Selected Topics in Business Economics.

This sequence of courses will deal in considerable depth with one or more problems of the business world such as the special problems of the small business concern in America, problems of risk and insurance, investments, etc.

PHYSICAL EDUCATION AND ATHLETICS

Messrs. M. Rivero, Gardner, Laisure, O'Shields, Powers,
Rinaldi, Vorro; Mrs. White, Miss Sloan, Mrs. Winchester

All instruction and related activities in the fields of physical education and athletics are administered by the department of physical education and athletics. The health services advise with the department of physical

education in the assignment of students to activities in accord with their special needs. Major students are required to complete interdepartmental courses in science and education.

Each course is a full course unless otherwise indicated.

101-102. Freshman Physical Education.

Instruction and practice in activities that will help to develop physical and recreational skills. The standard first-aid certificate may be earned by those who qualify. ($\frac{1}{4}$ course each semester)

201-202. Sophomore Physical Education.

Advanced instruction and practice in team games and individual activities leading to a satisfactory demonstration of skills in and knowledge of at least one team, one dual and one individual activity. ($\frac{1}{4}$ course each semester)

206. Personal and Community Hygiene.

Problems and practices involved in the improvement of individual and community health; the nature of communicable diseases and the means of preventing them; the study of the scientific approach to the solution of personal health problems; the study of available health resources.

207. Safety Education.

A course covering all phases of school safety education—home, occupational, recreational, and transportation. Includes a study of the well-developed school safety program, its administration and organization.

209-210. Physical Education Activities I and II.

During the first semester instruction and practice in touch football, volleyball. The second semester covers lectures and practice in track and field events, softball and games of low organization.

301-302. Physical Educational Activities III and IV.

Analysis, practice and fundamentals of basketball, gymnastics and dance activities. The second semester is devoted to developing physical and recreational skills with a carry-over value, in such sports as badminton, tennis and golf.

303. Philosophy and Principles of Physical Education.

Development of the philosophy of physical education. Discussion of facts and principles serving as the basis for this philosophy. Interpretation and application of historical and philosophical bases of physical education.

305. Prevention & Care of Athletic Injuries.

Prevention and correction of accidents in athletic activities; the proper use of equipment, support methods, conditioning exercises, administrative procedures, and therapeutic modalities. Laboratory work includes clinical use of physiotherapy equipment and support methods.

Prerequisites: Biology 201, Physical Education 307

307. Physiology of Exercise.

The functions of the human body and the physiological changes in the human organism due to physical exercise. Applications to specific problems of the health and physical education program.

308. Kinesiology.

A study of the principles of human motion. Anatomical and mechanical analysis of everyday and physical education activities are emphasized for the purpose of promoting normal physical development and improvement of performance.

309. Adapted Physical Education.

Developmental activities suited to the capacities and interest of students with disabilities that restrict them from participation in the total physical education program. Emphasis on programs that will help to improve the individual's abilities.

Prerequisites: Biology 201, Physical Education 308

401. Health Service and Instruction.

Methods, practice and observation of health education programs; health examinations, follow up procedures, special classes, school feeding and hygiene of the school environment.

402. Organization, Administration and Supervision of Physical Education.

Procedures in teaching, organization, administration and supervision of physical education in relation to the whole school program. Organization of pupils; selection and organization of activities; planning of time and space; utilization and care of equipment; procedures for effective administration.

405. Methods and Techniques of Coaching.

Theory of and practice in the coaching of sports. Fundamental techniques and tactics of individual and team play.

406. Leadership in Community Recreation.

Methods of conducting recreational programs for rural and urban communities designed to meet specific needs and interest. Emphasis on organizing and planning appropriate activities.

408. Methods of Teaching Physical Education.

Development of necessary skills and experiences essential for the teaching of physical education in elementary and secondary schools. Principles, methods, and resources involved in teaching physical education; curriculum patterns; individual teaching experience within the group.



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1970-1971

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(ex officio)

<i>Year of First Election</i>		<i>Expiration</i>
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*On leave for the year 1970-71

**On leave for January

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The first named in each committee is the chairman.

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magna cum laude

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B.A., Lincoln University; M.S., University of Pennsylvania
Assistant Professor of Mathematics
- RICHARD A. PIERCE
B.A., Bridgewater State College; M.A., University of Chicago
Assistant Professor of Religion
- LOUIS S. PUTNAM
B.A., Yale University; M.A., University of Delaware
Assistant Professor of English
- JOHN PYROS
B.A., Brooklyn College; M.A., New York University
Assistant Professor in the Fine Arts
- J. SAUNDERS REDDING
Ph.D., M.A., Litt.D., Brown University; L.H.D., Hobart College,
Virginia State College
Professor of English
- RUTH C. REDDING
B.A., Hunter College; M.A., Temple University
Visiting Lecturer in Mathematics
- WALTER N. RIDLEY
B.A., M.A., Howard University; Ph.D., University of Virginia
Visiting Professor of Education
- ANTHONY S. RINALDI
A.B., Morris Harvey; M.A.T., University of North Carolina
Instructor in Physical Education
- GRACE B. RIVERO
B.A., Virginia Union University; M.A., Teachers College
(Columbia University)
Instructor in Humanities
- MANUEL RIVERO
B.A., M.A., Columbia University
Professor of Physical Education
- WILBERT J. ROGET
B.A., Xavier University; M.A., Indiana University
Assistant Professor of French
- ANTHONY Z. ROMANO
B.A., Seton Hall
Instructor in English

- DeFOREST PORTER RUDD
B.S., Harvard University; Ph.D., University of California
Professor of Chemistry
- MARIANNE H. RUSSO
B.A., Mount Holyoke College; M.A., Columbia University
Instructor in English
- PAUL A. RUSSO
B.A., Brown University; M.A., Columbia University
Assistant Professor of History
- DAVID H. SANDERS
B.A., Princeton University; M.A., Harvard University;
Ph.D., City University of New York
Assistant Professor of Mathematics
- THOMAS M. SCANLAN
B.A., University of Minnesota; M.A., Cornell University
Assistant Professor of English
- BENJAMIN SCHWARTZ
B.A., M.A., New York University; Ph.D., Columbia University
John H. Cassidy Professor of Classics
- JAMES F. SLEVIN, JR.
B.A., Providence College; M.A., University of Virginia
Instructor in English
- FRANCES W. SLOCUM
B.M., Oberlin Conservatory of Music; M.A., Columbia University
Assistant Professor of Music and Pianist-in-Residence
- LELAND D. SMUCKER
B.S., Kent State University; M.S., Miami University;
Ph.D., University of Delaware
Assistant Professor of Chemistry
- RICHARD P. STEVENS
B.A., University of Notre Dame; M.A., Ph.D., Georgetown University
Professor of Political Science
- SAMUEL GOVAN STEVENS
B.A., S.T.B., Lincoln University; Th.M., Union Theological Seminary (Va.);
S.T.M., Western; D.D.
Associate Professor of Religion
- SALIGRAMA C. SUBBARAO
B.Sc., Mysore University (India); M.Sc., Bombay University (India);
Ph.D., London University
Assistant Professor of Chemistry
- ORRIN CLAYTON SUTHERN, II
B.A., Western Reserve University; M.A., Columbia University
Professor of Music
- IVAN R. SYGODA
B.A., Brown University; M.A., Princeton University
Instructor in French
- JAMES E. SYPHERS
B.A., University of New Hampshire; B.D., Oberlin College;
M.S.W., University of Pittsburgh
Instructor in Sociology

- LASZLO J. TARNOI
B.A., Doctor Iuris University, Pazmany Royal University, Budapest
Associate Professor of History
- R. BRUCE THOMPSON, JR.
B.A., University of Rochester
Visiting Lecturer in Geology and Geography
- CARLTON D. TROTMAN
B.A., Lincoln University; M.A., New York University
Assistant Professor of Psychology
- ***CLARENCE JAMES TROTMAN
B.A., Pennsylvania State University; M.Ed., Pennsylvania State University
Instructor in English
- STANLEY SHING-HWA TSAI
B.S., Lafayette College; B.A., Lincoln University;
M.A., University of Delaware
Assistant Professor of Physics
- JOSEPH R. VORRO
B.S., University of Rhode Island; M.A., University of Maryland
Instructor in Physical Education and Athletics
- SAMUEL THEODORE WASHINGTON
B.A., Lincoln University; M.A., Atlanta University;
M.B.A., University of Pennsylvania
Associate Professor of Accounting
- ALEX O. J. WILLIAMS
B.S., M.A., University of Pennsylvania
Assistant Professor of Economics
- MARTIN M. WEITZ
B.A., University of Cincinnati; D.H.L., Colorado State College;
M.H.L., Ph.D., D.D., Hebrew Union College
Lecturer-in-Residence and Director, Center for Interfaith Studies
- JEAN A. WHITE
B.S., Boston University; M.Ed., Temple University
Assistant Professor of Physical Education
- EMERY WIMBISH, JR.
B.A., Clark College; B.L.S., Atlanta University;
M.L.S., Columbia University
Librarian with the Rank of Associate Professor
- RICHARD CARLYLE WINCHESTER
B.A., Ursinus College; Ph.D., University of Rochester
Associate Professor of History
- CAROL G. WINKEL
B.A., M.A., Texas Christian
Instructor in English
- JON WOODSON
B.A., M.A., University of Rhode Island
Instructor in Humanities
- MAURY A. YESTON
B.A., M.A., Clare College (Cambridge, England)
Instructor in Music

*Terminated January 1, 1970

**Acting President as of January 1, 1970

***On leave 1969-70

DEGREES, HONORS

Conferred June 1, 1969

DOCTOR OF SCIENCE

Herman R. Branson Wilberforce, Ohio

DOCTOR OF HUMANE LETTERS

Violette deMazia Merion Station, Pa.

DOCTOR OF DIVINITY

Jesse L. Jackson Chicago, Ill.

James E. Jones Los Angeles, Calif.

DOCTOR OF CIVIL LAW

Carl B. Stokes Cleveland, Ohio

DOCTOR OF LAWS

Earl Warren Washington, D.C.

BACHELOR OF ARTS

Evans Kwame Agyei-Darko Ghana, W.A.

George Patrick Albaugh Lincoln University, Pa.

Claude Ronald Attaway Philadelphia, Pa.

Ralph Ormsby Barnett, Jr. Pittsburgh, Pa.

Edwin Llewellyn Belle White Stone, Va.

Geoffrey Axel Black Philadelphia, Pa.

Martino Harvey Black Brooklyn, N.Y.

Julius Edwin Blanton, Jr. Bristol, Pa.

Robert Glen Bledsoe Nottingham, Pa.

Leroy Sterling Bolton Aliquippa, Pa.

Donald Bayard Bouchelle Kennett Square, Pa.

Barry Wayne Brinkley Philadelphia, Pa.

Carl Eugene Briscoe, Jr. Atlantic City, N.J.

Arthur Jonathan Brown Gastonia, N.C.

Michael Theodore Brown Washington, D.C.

Philip Junius Brown, Jr. Philadelphia, Pa.

Wesley Charles Brown, Jr. Philadelphia, Pa.

Charles Stephen Burford Reading, Pa.

Ricardo Vronsky Burnette Martinsville, Va.

Jackson Logan Burnside, Jr. Nassau, Bahamas

Booker Thelon Byrd, Jr. Washington, D.C.

Mae Helen Caleb Coatesville, Pa.

Edward Christian, Jr. Philadelphia, Pa.

Harold Martin Clay Baton Rouge, La.

Charles Collins Chicago, Ill.

Mitchell Gregory Crane West Chester, Pa.

R. T. Crystian, Jr. Pittsburgh, Pa.

Bemba Dakuginow Philadelphia, Pa.

JoAnn Dashiell Philadelphia, Pa.

Charlene Janet Davis Pittsburgh, Pa.

Robert James Davis Philadelphia, Pa.

Ramon Maria de Gordon, Jr. Delaware City, Del.

Herbert LeGrant Dorm York, Pa.

Richard Anthony D'Ottavio Kennett Square, Pa.

Ronald Garfield Douglass Philadelphia, Pa.

Jerrome Nathaniel Duncan, IIBronx, N.Y.
 Theodore Alexander EllisNorristown, Pa.
 Glenn Danton EversleyNew York, N.Y.
 Harry Waltman Farmer, Jr.Oxford, Pa.
 Larry James FentressPrichard, Ala.
 Israel John FloydPhiladelphia, Pa.
 Ronald Jerry FreemanBerlin, N.J.
 Alanzo Spence GipsonMemphis, Tenn.
 Robert Wayne GlennWinston-Salem, N.C.
 Vanere St. Claire GoodwinAntigua, W.I.
 Emery Charles Graham, Jr.Darby, Pa.
 Junius Ferdinand Haith, Jr.Philadelphia, Pa.
 Kenneth Jerome Hall, Jr.Newark, N.J.
 Gerald Rodney HarvardPhiladelphia, Pa.
 Bryant Howard HeightPhiladelphia, Pa.
 St. Clair Patrick HenryNew York, N.Y.
 Charles Oliver HighgatePittsburgh, Pa.
 Gary Jerome HunterCoatesville, Pa.
 Cecil Augustus Ivory, Jr.Charlotte, N.C.
 Abdou JanhaGambia, E.A.
 Martin Henry JenningsNew Brunswick, N.J.
 Carl Awolowo JohnsonLincoln University, Pa.
 Gerald Oren JohnsonCharlotte, N.C.
 Lucia deLeon Johnson.....Lincoln University, Pa.
 Stanley Bernard JohnsonPhiladelphia, Pa.
 Robert Henry JonesPhiladelphia, Pa.
 Michael Edward KennedySt. Louis, Mo.
 Khosro KhazeniTehran, Iran
 John Earl Kinnard, Jr.Philadelphia, Pa.
 Irwin Stanley KnoxPittsburgh, Pa.
 Neal Kolman KushnerPhiladelphia, Pa.
 Donald Martin Lambright (posthumously)Cleveland, Ohio
 Melvin Clifton LawrenceMurfreesboro, N.C.
 Catherine Elizabeth LewinSpringfield, Mass
 Robert Dennis LindecampWest Grove, Pa.
 Leonard Elton LundbergWest Grove, Pa.
 Powell Kent Martin MacRaeLincoln University, Pa.
 William McBrideBrooklyn, N.Y.
 George Jackson McFadden, IIIOxford, Pa.
 David Charles McFarlan, Jr.Oxford, Pa.
 Daniel DeSales McGeehanWilmington, Del.
 Sandra Waldine McGruderPittsburgh, Pa.
 Daniel Alphin McKoyPhiladelphia, Pa.
 Robert Samuel McMichaelOxford, Pa.
 Edward Ardis MaxwellPhiladelphia, Pa.
 Rudolph Edgar Mayo, Jr.Coatesville, Pa.
 Joseph MeadePhiladelphia, Pa.
 Robert Warren MickeySouth Orange, N.J.
 Cheryl Marlene MillerPhiladelphia, Pa.
 Ronald James MoffittPhiladelphia, Pa.
 Michael Gregory MonteiroPhiladelphia, Pa.

Stephen Presbury Moore, IIIBel Air, Md.
 Raymond Loy MorrisPottstown, Pa.
 Thomas Jerome MoyerNew Castle, Del.
 Dwight William MurphTeaneck, N.J.
 Charles Maliu MutuviKenya, E.A.
 Frederick George MuwongeUganda, E.A.
 Theodore Roosevelt NicholsonNorfolk, Va.
 Obioha NkereBiafra, W.A.
 Peter Amadi NwankwoNigeria, W.A.
 Sunday Isong ObongNigeria, W.A.
 Rosemary Lucille OrmondPhiladelphia, Pa.
 James Alvin Owens, Jr.Rosbury, Mass.
 Barry Lee PeirsonWest Grove, Pa.
 Bruce Madison PendletonPittsburgh, Pa.
 Lillian Witman PennellNottingham, Pa.
 Gary Allen PetersonOxford, Pa.
 Douglas Calvin PiercePlainfield, N.J.
 David Ronald PogueSouth Floral Park, N.Y.
 Rayford Lenward PointerCortland, N.Y.
 Jesse Greer RayAsheville, N.C.
 Dwight Dermot ReedPhiladelphia, Pa.
 Robert Joseph Robinson, Jr.Philadelphia, Pa.
 John RosansLandenberg, Pa.
 David Alfonzo SandersGastonia, N.C.
 Ronald Fredrick SargentRoxbury, Mass.
 Bennett Ray SextonYork, Pa.
 Philip Kufa Timothy SihlanguRhodesia, S.A.
 Howard Steven SilvermanHillside, N.J.
 David Lawton SmileNew York, N.Y.
 Leon MacDonald Snead, Jr.Philadelphia, Pa.
 Ashton Tatnall Stewart, Jr.Salem, N.J.
 Maxine Theresa StewartPhiladelphia, Pa.
 Iver Allison StridironSt. Thomas, V.I.
 John Richard TaylorLandenberg, Pa.
 Ronald Norman ThompsonNew Rochelle, N.Y.
 Joel TolliverPhiladelphia, Pa.
 Joseph Dean TroiloChester, Pa.
 Darryl TurnerPittsburgh, Pa.
 John Merrill Turner, IIIRoselle, N.J.
 Celsus Thomas UdoukpoNigeria, W.A.
 Jay Aaron WallaceSouth Ozone Park, N.Y.
 Maceo Teel WallerPhiladelphia, Pa.
 Allen Wayne WallsPhiladelphia, Pa.
 Charles Toumville WanyandeyKenya, E.A.
 Robert Daniel WarringtonMorristown, N.J.
 Reuben James WashingtonYork, Pa.
 Tobias Wilson Washington, Jr.South Ozone Park, N.Y.
 Frederick Edwin WelchWest Grove, Pa.
 Conley WhitfieldPottstown, Pa.
 Andrew James Whitmore, IIIPittsburgh, Pa.
 Jerrold Lee WienerPhiladelphia, Pa.

Robert Holmes WillisPhiladelphia, Pa.
George Lewis Wilson, Jr.East Orange, N.J.
Harold Henry WilsonJacksonville, Fla.
Robert Lee WilsonBraddock, Pa.
Kenneth Lewis WoodsPhiladelphia, Pa.
Carl Oliver WordSan Francisco, Calif.
James Edward Young, Jr.Washington, D.C.
Joseph Samuel Young, Jr.Parkesburg, Pa.

HONOR GRADUATES, 1969

Magna cum laude

Harry Waltman Farmer, Jr.
Bryant Howard Height
Cheryl Marlene Miller

Cum laude

Arthur John Brown	Lillian Witman Pennell
Wesley Charles Brown, Jr.	Gary Allen Peterson
Larry James Fentress	John Rosans
William McBride	Maxine Theresa Stewart
Robert Samuel McMichael	Fredrick Edwin Welch
Rudolph Edgar Mayo, Jr.	George Lewis Wilson, Jr.
Thomas Jerome Moyer	Carl Oliver Word
Joseph Samuel Young, Jr.	

PRIZES AND AWARDS, 1969

C. Morris Cain Prize in BibleRomaine G. Phillips, Jr.
Class of 1899 PrizeWesley C. Brown
Class of 1916Kenneth J. Hall
Walter Fales Memorial Prize in PhilosophyDwight W. Murphy
Norman E. Gaskins Memorial Prize in Organic Chemistry
Andrew J. Whitmore III
Walter F. Jerrick PrizeRonald F. Sargent
Richard T. Lockett Memorial PrizeCharles O. Highgate
William H. Madella PrizeCheryl M. Miller
S. Leroy Morris PrizeJoseph S. Young, Jr.
William S. Quinland, Jr., Memorial Prize in BiologyRaymond Morris
Harrison H. Cain PrizeJames E. Jett
Joseph Leroy Williams Memorial PrizeMae H. Caleb
Rosa Bradley Read Memorial Prize in Chemistry ...Andrew J. Whitmore III
Biology Club Freshman AwardAbib T. Conteh
Biology Club Medal or TrophyLeonard G. Meggs
National Ladies Auxiliary PrizeVanere S. Goodwin
Henry W. B. Campbell AwardWesley C. Brown
Physics Achievement AwardMohamad J. Kartawidjaja
Department of History AwardBryant Height
Elizabeth Schwartz Memorial Fund AwardStephen P. Moore III
Jessie B. Plummer Memorial MedalLeroy S. Bolton
John M. Tutt Award in MathematicsGary A. Peterson
Eichelberger Award for Creative WritingSharon D. Sutton

ENROLLMENT SUMMARY

1969-1970

An analysis of the geographical distribution of the 1168 students enrolled in 1969-70.

<i>New England States</i>		<i>United States Possessions</i>	
Connecticut	15	Virgin Islands	8
Maine	2	<i>East North Central States</i>	
Massachusetts	17	Michigan	1
New Hampshire	2	Ohio	11
Rhode Island	2	<hr/>	12
	38	<i>Central States</i>	
<i>West South Central States</i>		Arkansas	1
Texas	6	Illinois	9
<i>Middle Atlantic States</i>		Indiana	1
Delaware	17	Missouri	3
Maryland	30	<hr/>	14
New Jersey	113	<i>East South Central States</i>	
New York	166	Alabama	1
Pennsylvania	549	Kentucky	3
	<hr/>	Louisiana	1
	875	Tennessee	12
<i>Far Western States</i>		<hr/>	17
California	1	American School overseas	1
<i>South Atlantic States</i>		<i>Foreign</i>	
District of Columbia	60	Africa	24
Florida	11	Biafra	1
Georgia	9	Kenya	1
North Carolina	27	Lesotho	1
South Carolina	13	Liberia	2
Virginia	35	Nigeria	10
	<hr/>	Rhodesia	4
	155	Sierra Leone	2
<i>Enrollment by Classes</i>		South Africa	1
Freshman	389	Southwest Africa	1
Sophomore	254	Uganda	1
Junior	210	Bahamas	2
Senior	230	Bermuda	1
Unclassified	76	Jamaica	3
Special	9	Caroline Islands	1
	<hr/>	British Honduras	1
	1168	Indonesia	1
		Iran	1
		Ireland	1
		Syria	1
		South America	5
		<hr/>	41

University Calendar

1971-1972

118TH UNIVERSITY YEAR

1971

THE FIRST SEMESTER

September 7 Freshmen students arrive
September 8-12 Freshmen Orientation
September 8 Faculty Conference . . . 10:00 a.m. Wednesday
September 9 Freshman Registration
September 9 Sophomores, Juniors, Seniors arrive
September 10 Registration — Sophomores, Juniors, Seniors
8:30 a.m.-4:00 p.m.
September 11 Registration — Sophomores, Juniors, Seniors
8:30 a.m.-12:00 p.m.
September 13 Classes Begin . . . 8:00 a.m. Monday
October 18-22 Registration for January Term
October 28 Mid-Term Grade Reports Due
November 23 Thanksgiving recess begins . . . 5:00 p.m. Tuesday
November 29 Thanksgiving recess ends . . . 8:00 a.m. Monday
December 6-10 Pre-registration for second semester
December 10 Last day of classes
December 13-18 Final examinations
December 18 Christmas recess begins . . . 5:00 p.m. Saturday

1972

January 3 Christmas recess ends . . . 8:00 a.m. Monday

JANUARY INTERIM

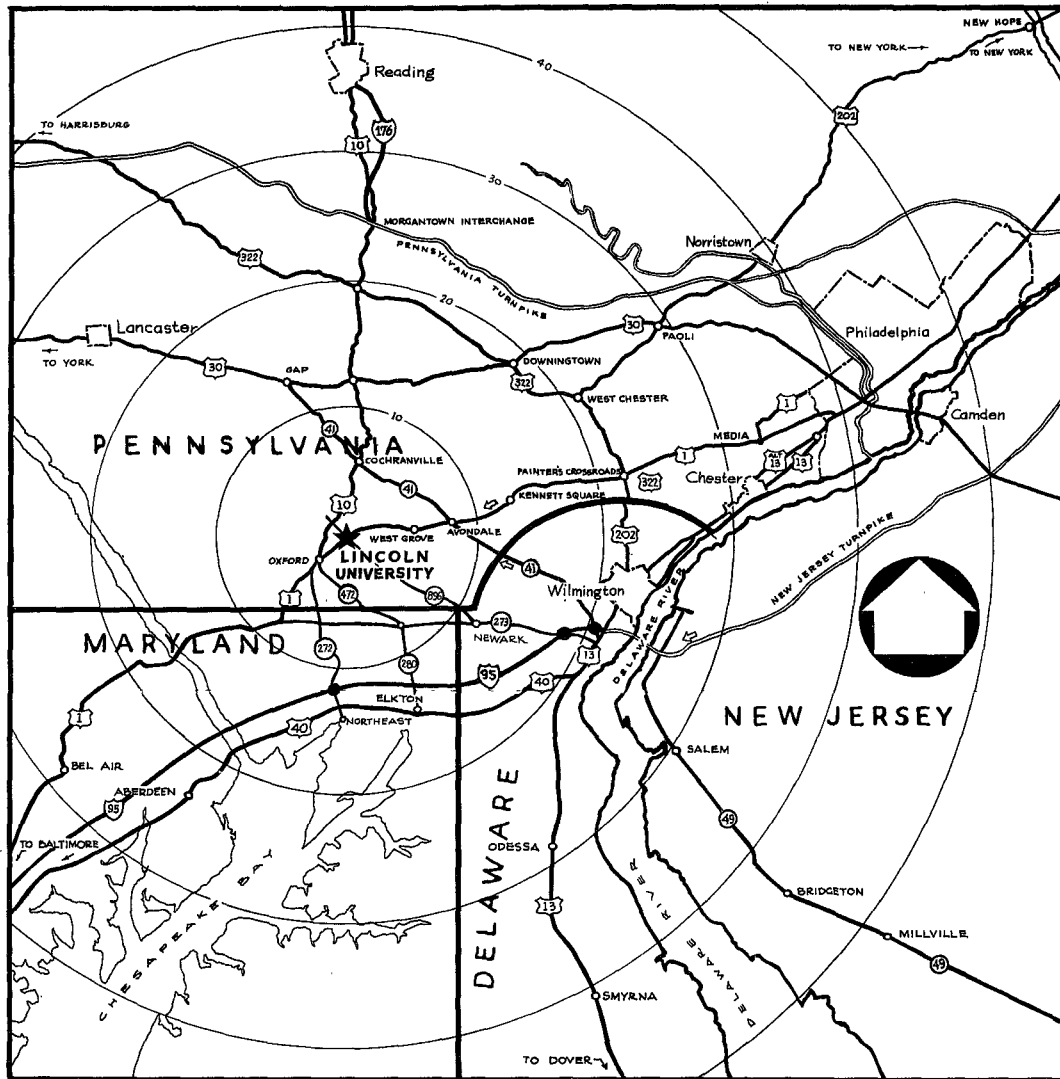
January 3 January Term begins . . . 8:00 a.m. Monday
January 28 January Term ends . . . 5:00 p.m. Friday

THE SECOND SEMESTER

February 7 Registration . . . All Students
February 8 Classes begin . . . 8:00 a.m. Tuesday
March 24 Spring recess begins . . . 5:00 p.m. Friday
April 4 Spring recess ends . . . 8:00 a.m. Tuesday
April 4 Mid-Term Grade Reports Due
April 18-21 Pre-registration — Fall Term
May 13 Last day of classes
May 15-20 Final examinations
May 28 Baccalaureate and Commencement Services

Index

Absences	50	Honors Program	46
Academic Regulations	45	Humanities	68
Academic Standing	49	International Programs	38
Accreditation	7	International Service, Preparation for	58
Administration	125	Introduction	5
Admissions	11	January Studies Program	47
Advanced Placement	13	Late Registration	17
Advanced Standing	13	Latin	72
Alumni Association	137	Law, Preparation for	59
Anthropology	109	Linguistics	72, 74
Art	85	Loans	24
Athletic Program	36	Location	Inside Back Cover
Biology	93	Major Requirements	46
Black Studies	112	Mathematics	91, 98
Buildings	40	Matriculation	16
Business Administration ..	60, 118	Medicine, Preparation for	59
Calendar, University	2, 159	Modern Languages	75, 78
Center for Interfaith Studies ..	35	Music	35, 63, 81
Chemistry	95	Natural Sciences	91
Classics	72	Objectives	6
Classification of Students ..	16, 50	Payment of Expenses	20
Comprehensive Examinations ..	49	Philosophy	88
Correspondence ..	Inside Front Cover	Physical Education	36, 63, 121
Courses of Instruction	67	Physics	96
Dean's List	50	Placement	39
Degrees Conferred	139, 153	Political Science	105
Deposit Account, Student	21	Portuguese	78
Directory	124	Pre-Engineering	57, 91, 98
Dismissal	51	Prizes and Awards ..	27, 143, 156
Dormitories	43	Probation	51
Early Decision Plan	12	Programs of Study	57
Economics	60, 118	Project Good Neighbor	14
Education	115	Psychology	115
Election of Courses	45	Re-Admission	16
Engineering, Preparation for ..	57	Refunds	20, 21
English	68	Religion	90
Enrollment Summary	158	Religious Opportunities	35
Entrance Examinations	12	Resources	9
Examinations	48	Scholarships	23
Expenses	19	Science, General	61
Faculty	128, 145	Social Sciences	101
Financial Aid	23	Social Work, Preparation for ..	60
Fine Arts	85	Sociology	109
French	75	Spanish	79
General Information	33	Special Programs & Services ..	39
General Regulations	53	Student Activities	33
Geology	98	Student Employment	25
German	77	Student Participation	5
Grades	49	Teaching, Preparation for	60
Graduation Requirements	52	Terms and Vacations	47
Grants	24	Testing, New Students	16
Graphics	98	Theology, Preparation for	60
Greek	74	Trustees	124
Health Service	37	Voice	84
History	102	Withdrawal	17
History of Lincoln University ..	7		



Lincoln University is located in open country on U.S. Highway 1. It is 45 miles southwest of Philadelphia and 55 miles northeast of Baltimore, between Oxford, and West Grove, Pa. It may be reached conveniently by the Trailways buses from Philadelphia and Baltimore, and the Short Line buses from West Chester and Wilmington.

**Lincoln
University**
BULLETIN 1970 / 1972

