

CITY UNIVERSITY
OF
NEW YORK

**MEDGAR
EVERS
COLLEGE**



1973/74

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VOLUME 1
NUMBER 2



MEDGAR EVERS COLLEGE

BULLETIN

CITY UNIVERSITY OF NEW YORK

1150 CARROLL STREET
BROOKLYN, N.Y. 11225
212-345-3303

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The program and requirements set forth in this bulletin are necessarily subject to change without notice at any time at the discretion of the administration. Students are responsible for compliance with all regulations contained herein.

Please direct all correspondence as follows:

Admissions	Director of Admissions
Records and Transcripts	Registrar
Scholarships and Student Aid	Financial Aid Officer
General Information	Dean of Student Services

Prepared by the Office of College Relations

CALENDAR 1973-1974

Fall Semester 1973

September 3	Monday	Labor Day—No Classes
September 4, 5, 6, 7	Tuesday thru Friday	Orientation
September 10, 11, 12	Monday thru Wednesday	Registration
September 13 & 14	Thursday & Friday	Late Registration & Program Changes*
September 17	Monday	First Day of Classes
September 27 & 28	Thursday & Friday	Rosh Hashanah—No Classes
October 8	Monday	Columbus Birthday—No Classes
October 22	Monday	Veterans Day—No Classes
November 6	Tuesday	Election Day—No Classes
November 21	Wednesday	Follow Friday Schedule
November 22 & 23	Thursday & Friday	Thanksgiving Recess—No Classes
December 24-Jan. 1, 1974	Monday thru Tuesday	Winter Recess—No Classes
January 2	Wednesday	Follow Monday Schedule
January 10	Thursday	Last Day of Classes
January 11	Friday	Reading Day
January 14	Monday	Martin Luther King's Birthday—No Classes
January 15-19	Tuesday thru Saturday	Final Exams

Spring Semester 1974

January 24 & 25	Thursday & Friday	Orientation
January 28-30	Monday thru Wednesday	Registration
January 31 & Feb. 1	Thursday & Friday	Late Registration & Program Changes*
February 4	Monday	First Day of Classes
February 12	Tuesday	Lincoln's Birthday—No Classes
February 18	Monday	Washington's Birthday—No Classes
April 8-12	Monday thru Friday	Easter Recess—No Classes
May 21	Tuesday	Last Day of Classes
May 22, 23, 24	Wednesday thru Friday	Final Examinations
May 27	Monday	Memorial Day—No Exams Scheduled
May 28-29	Tuesday & Wednesday	Final Exams Resume
June 4		Commencement

*You are permitted to add a course during the first one-sixth of the class sessions of a course.

CALENDAR 1975-1976

HISTORY OF THE CITY UNIVERSITY

The City University of New York (CUNY) is the largest public municipal university in the world. It comprises a total of 20 units; ten senior colleges, eight community colleges, an affiliated medical school and the Graduate School and University Center which offers doctoral programs in 25 academic disciplines.

The seed of the City University was planted in 1847 when the people of New York City decided by referendum to provide tuition-free higher education to the city's youth via the Free Academy (now City College). Other institutions of free higher education were created throughout the years to meet the growing needs of the population. In 1961, the existing municipal colleges were constituted into the City University of New York. Since then, several other units have been added. The City University is supported largely by public funds from the City of New York and the State of New York. Some of its financing is covered by fees and voluntary contributions by individuals.

Throughout its history, the goal of the City University has been to provide quality tuition-free education to the city's youth. The Open Admissions Program, begun in 1970, now offers to every New York City high school graduate a post-secondary education in one of its senior or community colleges. The University is also embarked on the biggest program of supporting services to academically disadvantaged students in

ABOUT MEDGAR EVERS COLLEGE

In the year 1969, the City of New York established the City University of New York (CUNY) as a system of higher education. The City University of New York is a public university system that includes the City College of New York, the City Community College, the City University Center, and the Graduate School and University Center. The City University of New York is the largest and most diverse university system in the United States.

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the nation via its College Discovery and SEEK (Search for Education, Elevation, and Knowledge) Programs.

A Board of Higher Education, composed of 21 citizens appointed by the Mayor who serve without remuneration, is the governing body of the City University. The Board formulates overall policy for the City University and its constituent colleges. The Chancellor, who is the chief administrative officer of the City University of New York, and the Presidents of the constituent institutions implement and carry out the policies.

Today, the following institutions comprise the City University: The City College (1848); Hunter College (1870); Brooklyn College (1930); Queens College (1937); New York City Community College (1946); Staten Island Community College (1955); Bronx Community College (1957); Queensborough Community College (1958); Kingsborough Community College (1963); Borough of Manhattan Community College (1963); John Jay College of Criminal Justice (1964); Richmond College (1965); York College (1966); Bernard M. Baruch College (1968); Herbert H. Lehman College (1968); Medgar Evers College (1969); Fiorello H. LaGuardia Community College (1969); and Eugenio Maria de Hostos Community College (1969). In addition, there is the Graduate School and University Center (1961) and, by affiliation, Mount Sinai School of Medicine (1963).

ABOUT MEDGAR EVERS COLLEGE



MEDGAR EVERS

In the early part of the Sixties, the Central Brooklyn community recognized the need for and expressed a desire for a local public college. Through various community organizations and through their local elected officials, the residents of Central Brooklyn approached the Board of Higher Education of the City of New York with this request.

After many discussions and much involvement by community residents, the Board of Higher Education agreed in 1967 that the area should have a new college, Community College Number Seven. In February 1968, the Board of Higher Education announced that the college would be located in the Bedford-Stuyvesant area of Brooklyn.

The method of planning for the new college and selecting its President was unprecedented in the history of the Board of Higher Education. For the first time representatives of the local community participated in the decision-making process. The Central Brooklyn community was represented on the Presidential Search Committee by seven members of the Bedford-Stuyvesant community. Besides considering various candidates for the presidency, this committee worked on developing the general orientation of the college. After 18 months of intensive work, the committee emerged with the following mandate for the College:

1. That the college be a four-year institution from its inception.
2. That the college be experimental. That it develop new and better methods of selecting, organizing and teaching course material and pioneer innovations which would enhance the education of its students.
3. That the college emphasize professional studies. That, without neglecting the liberal education of its students, it prepare a significant number of its graduates for direct entry into such fields as teaching, social work, public administrating and business.

4. That the college be responsive to and serve the educational and social needs of the Central Brooklyn Community.

5. That the community should have a major voice in the ultimate selection of a permanent site.

6. That the community should determine the name of the college.

In January 1969, the Board of Higher Education adopted a resolution changing Number Seven from a community college to a four-year college of professional studies offering both two and four-year degree programs. Dr. Richard D. Trent was appointed the first President of the College in February, 1970. During the Spring of 1970, a Community Advisory Committee was organized by the President. Following the recommendation of the Community Advisory Committee, the institution was named Medgar Evers College in memory of the courageous Black civil rights leader killed in his native Mississippi in June 1963.

LOCATION

Medgar Evers College occupies a number of buildings in the Crown Heights and Fort Greene sections of Brooklyn. The library and some of the administrative offices are located at 402 Eastern Parkway at the corner of Bedford Avenue. Classes are held at the former Brooklyn Preparatory School at 1150 Carroll Street which is in process of renovation and at a number of locations in and around the Masonic Temple at 317 Clermont Avenue.

The Admissions office is located at 244 Rogers Avenue between Carroll and President Streets. The college also maintains a Community Service center at 660 Nostrand Avenue between Bergen Street and St. Marks Avenue.

Negotiations are currently under way to obtain a site in central Brooklyn for the permanent campus of the college.

ADMISSIONS INFORMATION

ADMISSIONS

The admissions office is available to answer questions about admission procedures, requirements and filing deadlines. The office is also responsible for the orientation program in which all new students participate.

GENERAL REQUIREMENTS

In November, 1969, the Board of Higher Education adopted a policy of Open Admissions for all of the undergraduate units of the City University of New York. This means that all applicants who are bona fide residents of New York City and who received a high school diploma or its equivalent in June, 1970 or thereafter, are guaranteed admission into one of the college programs offered by CUNY.

All prospective applicants for admission are urged to obtain a copy of the booklet, *Information for Applicants to the City University of New York*. This booklet can be obtained from either high school advisors, the Office of Admissions Services at 875 Avenue of the Americas (N.Y.C. 10001), or from the University Application Processing Center at Box 148, Vanderveer Station (Brooklyn, 11210). An applicant should list on the *Application for Admission* his six choices of colleges and curricula, in order of preference. Final assignments of applicants to particular units of CUNY are made on the basis of high school class standing and space availability within the colleges.

Applicants for freshmen admission who are bona fide New York City residents and graduated from high school before June, 1970, or applicants who are residents of New York State living outside of New York City, are not covered by the broadest provisions of the Open Admissions Program. However, every effort will be made to accommodate them within the limits of space and financial ability.

Applicants for admission, who are now bona fide residents of New York City but who graduated from high schools outside of New York State, will be considered for admission on the same basis as other students if their high school is accredited by the Middle States Association of Colleges and Secondary Schools, or by some similar accrediting agency.

Graduates of foreign institutions must present original transcripts of their previous academic work with certified English translations. If necessary, credentials must also include descriptions of the courses completed. Students whose native language is not English must take the *Test of English as a Foreign Language* which measures English proficiency. Arrangements to take the Test of English as a Foreign Language can be made by contacting the Foreign Student Division of the Office of Admissions Services located at 875 Avenue of the Americas, New York, New York 10001.

All applicants must meet three basic requirements: (1) high school diploma, (2) residence and, (3) health. These requirements are discussed in detail below:

HIGH SCHOOL DIPLOMA

A diploma from an accredited high school is required for admission to the City University of New York. A high school certificate is not an acceptable substitute for the diploma. A New York State Equivalency Diploma, a General Education Development Examination or a United States Armed Forces Institute Diploma may be substituted for the high school diploma.

RESIDENCE REQUIREMENTS**New York City Residents**

To be accepted as a matriculated, non-tuition paying student enrolled in a specific program leading to a degree, the applicant must be an actual, legal and bona fide resident of the State of New York and live in New York City with his family, or if he is under 21 years of age, with his duly appointed guardian. An applicant who is 21 or older, or who is not living with his parents, must certify his New York City residency in order to qualify for the status of matriculated, non-tuition paying student.

New York State Residents Living Outside of New York City

New York State residents may enroll as fee paying students at a tuition charge of \$600 per semester (plus Consolidated Fee of \$55). The student must also obtain a Certificate of Residence from his County Fiscal Officer and file it with the College at least 2 months prior to registration. The student will not be permitted to register without this certificate.

Out-of-State Residents and Foreign Students

Applicants who reside outside New York State and accepted foreign students who hold temporary visas may be admitted as matriculants and pay tuition at a rate of \$45 per credit or \$600 per semester, whichever is lower (plus Consolidated Fee of \$55). An admissions committee will screen the applications of students who do not meet the above criteria and may, in some cases, recommend the students for admission.

Courses completed at institutions outside of the CUNY system with grades of "D", or lower than 70%, are not transferable to Medgar Evers College. However, "D" grades from other units of CUNY are transferable. Any student admitted to Medgar Evers College with less than a 2.0 grade point average from another institution is admitted on probation.

HEALTH

A health statement from the student's personal physician, school physician or clinic must be filed by each student accepted. A standard form for this purpose will be provided by the College. This health statement must be completed and returned to the College Health Service Office or the Office of Admissions prior to registration. The

College reserves the right to reject an applicant because of an existing health condition, if the College Medical Officer deems it necessary.

A student who becomes pregnant may not register for any subsequent semester without specific clearance from the College Health Services Officer and from the Office of the Dean of Student Services. The privilege of completing the semester during which the pregnancy occurs depends upon the recommendation of the attending physician and the approval of the College Medical Officer.

Each student or, if he is under 21 years of age, his parents or legal guardian must sign an authorization for the release of medical or personnel records under conditions established by the College.

WHERE AND HOW TO APPLY

FRESHMEN APPLICATIONS

A. If you are in your last year at a New York City high school, obtain your application form from the college advisor at your school. Fill out the form completely, following the directions carefully and return it to your college advisor.

B. If you have already graduated from high school but have not attended any college, or if you attended a private school or a high school outside of New York City, you may obtain an application form

from: University Application Processing Center (UAPC)
Box 148, Vanderveer Station
Brooklyn, New York 11210

Office of Admissions
Medgar Evers College
1150 Carroll Street
Brooklyn, New York 11225

Community Service Center
Medgar Evers College
660 Nostrand Avenue
Brooklyn, N.Y. 11225

After the application is completed, you may do one of the following:

1. If convenient, take the application to your high school and ask them to forward it with a copy of your transcript to the University Application Processing Center.

2. Mail the application to the University Application Processing Center. Contact your high school and request that they send your transcript to University Application Processing Center.

C. If you hold an Equivalency Diploma, a General Education Development Diploma or United States Armed Forces Institute Diploma (USAFI), obtain an application form from one of the above locations, attach a copy of your diploma and test scores to the application, and send it directly to the University Application Processing Center (UPAC), Box 148, Vanderveer Station, Brooklyn, New York 11210.

D. Students who are applying to the SEEK Program should file a Special Programs Application form, instead of the regular one. You can obtain this form from your high school, the UAPC or the Medgar Evers College Office of Admissions.

E. Students with foreign credentials who have *permanent residence visas* should follow the same application procedures as outlined in item B. above. Students with foreign credentials who hold *temporary visas* (student, visitor, diplomatic, etc.) should apply to:

Foreign Student Division
Office of Admissions Services
875 Avenue of the Americas
NYC., 10001

ADVANCED STANDING

Students who have attended another college and accumulated credits should obtain an *Advanced Standing Application* form and apply directly to the Medgar Evers College, Office of Admissions, 1150 Carroll Street, Brooklyn, N.Y. 11225.

Any student may apply for advanced standing admission to the College if he has completed at least 20 credits with a minimum grade point average of 2.0. This regulation applies not only to matriculants from colleges outside of the City University of New York, but also to matriculants and non-matriculants from within the CUNY system.

RE-ENTRY STUDENTS

Students previously admitted to Medgar Evers College or some other branch of CUNY under the Open Admissions Program, but who have since withdrawn, are eligible to attend Medgar Evers College under a special *Re-Entry Program*. Such students should apply directly to the Medgar Evers College, Office of Admissions.

IMPORTANT DEADLINES

Students planning to enter Medgar Evers College should apply no later than *January 15* for September admission and no later than *October 15* of the previous year for February admission.

APPLICATION FEE

All applicants for admission must pay a \$10, non-refundable application fee. Students who have paid the application fee at another unit of City University do not need to pay again.

ACADEMIC REGULATIONS

GRADING

At the end of each course, students are assigned grades by the instructor. The grades used at Medgar Evers College are as follows:

A	Excellent	F	Failing
B+		P or F	Pass/Fail
B	Above Average	I	Incomplete
C+		W	Withdrawal
C	Average	WF	Withdrawal Failing
D	Poor (lowest passing grade)	WP	Withdrawal Passing

PASS AND FAIL

The Pass/Fail grading system is used when the course content or format does not provide an appropriate basis for the alphabetic system of student evaluation. Grades "P" and "F" may be assigned to all students enrolled in a class when a Division deems this method of evaluation to be appropriate.

The other use of "P" and "F" arises at the student's option. A student may elect to receive a "P" or an "F" in any course and must indicate this decision as he enrolls for the course. However, a student may not complete more than 13 credits with "P" within the first 60 credits, and no more than 26 credits with "P" within the total baccalaureate program.

A student may take a course on a Pass/Fail basis within his major or in any other area. However, a limit may be placed by his Division Chairman on the number of courses he may take in this way within his major.

Grades of "P" carry no grade value and do not count in the Grade Point Average, however, the number of credits earned are counted towards the number of credits required for the degree.

INCOMPLETE

"Incomplete" is a temporary grade for the student who is doing passing work but has not completed all required work. Upon receiving an "I" the student must accomplish one of the following prior to the end of the sixth week of the subsequent semester:

1. complete all required work for the course, as defined by the instructor;
2. meet with the instructor to establish an "expected completion date" for the course requirements, and, if the instructor gives his consent, file with the Registrar a form upon which this agreement is indicated, such form to be signed by the student and the instructor.

If a student has not completed his course work by the end of the agreed period, the student and the instructor may decide to extend the completion date, such extension to be filed with the Registrar and signed by both parties.

WITHDRAWAL FROM COURSES

A student may withdraw from a course without academic penalty through the 8th week of classes.

Withdrawal after the 8th week will result in a grade of WF for the course. Written proof of physical inability to attend class may be presented to the counselor and the class instructor. At the discretion of the instructor the grade of WF may then be waived in favor of a W.

When a student withdraws from a course he must obtain a withdrawal form from his counselor. The withdrawal form must be signed by his advisor, the classroom instructor, and the counselor who will forward it to the office of the Registrar. A student who fails to comply with this requirement may receive a WF for the course.

GRADE POINT AVERAGE

At Medgar Evers College, each alphabetic grade is assigned a numerical value as follows:

A	=	4.0
B+	=	3.5
B	=	3.0
C+	=	2.5
C	=	2.0
D	=	1.0
F	=	0

Grade points are determined by multiplying the credits earned of a given grade by the numerical value of that grade. Thus, six credits of A equals 24.0 grade points ($6 \times 4.0 = 24.0$). A student's grade point average is computed by dividing the total grade points accumulated at Medgar Evers College by the total number of credits earned at Medgar Evers College carried to two decimal places.

$$\text{Grade Point Average} = \frac{\text{Total grade points accumulated}}{\text{Total number of credits earned}}$$

Example

Assume that at the end of your first 30 credits, you have the following grades:

GRADE	NUMERICAL VALUE		CREDIT	=	GRADE POINTS
A	4.0	×	6	=	24.0
B+	3.5	×	3	=	10.5
B	3.0	×	10	=	30.0
C+	2.5	×	8	=	20.0
C	2.0	×	3	=	6.0
			<u>30</u>		<u>90.5</u>
			Total		Total

In this example your grade point average would equal $\frac{90.5}{30}$, or 3.02.

Thus your grade average is approximately a "B".

2.0 is the minimum grade point average needed for graduation.

ADDING COURSES

A student may add a course during the first two weeks of classes in a regular semester, and during the first week of Summer Session, provided that he first obtains the approval of his advisor and the course instructor.

ATTENDANCE

All students have the responsibility to attend class regularly and to participate fully in the work of the course. If the absences, from a course, of a student in his freshman year exceed twice the number of regular class meetings per week the student may be dropped from the course with a grade of WF.

Attendance regulations for special courses such as laboratory courses, physical activity courses, nursing, etc. may be determined by the Division.

Every instructor retains the right to keep attendance records for any course and to count class participation, including attendance, in calculating the term grade. The class instructor shall announce at the beginning of each course the attendance regulations for that course. However, it is the student's responsibility to keep informed of the requirements of each course.

CREDIT REQUIREMENTS

CREDITS REQUIRED FOR CLASS STANDING

The number of credits successfully completed by a student determines his class standing. Credit requirements for students in a baccalaureate program are:

Lower Freshman	0 - 11.5 credits completed
Upper Freshman	12 - 27.5 credits completed
Lower Sophomore	28 - 44.5 credits completed
Upper Sophomore	45 - 60.5 credits completed
Lower Junior	61 - 77.5 credits completed
Upper Junior	78 - 93.5 credits completed
Lower Senior	94 - 100.5 credits completed
Upper Senior	111 - 128.0 credits completed

In the associate program, class standing is determined by successful completion of the following number of credits:

Lower Freshman	0 - 11.5 credits completed
Upper Freshman	12 - 27.5 credits completed
Lower Sophomore	28 - 44.5 credits completed
Upper Sophomore	45 - 68.0 credits completed

CREDITS REQUIRED FOR DEGREE PROGRAM

The College-wide minimum number of credits required to obtain an associate (two-year) degree is 60 credits. Some of the associate degree programs require more than this minimum, up to a maximum of 68 credits.

The minimum credit requirement for a baccalaureate (four-year) degree is 120. Some of the baccalaureate degrees require up to a maximum of 128 credits.

DISTRIBUTION OF CREDITS

Candidates for the associate or baccalaureate degrees are urged to make a reasonable distribution of their courses among the humanities, the natural sciences and mathematics, and the social sciences. It is recommended that approximately one-half of the student's credits over and above the requirements of his major program or professional field be distributed among these three areas. Early in their college careers, therefore, students should work out programs with their advisors that will fulfill their individual career needs and reflect the broader educational benefits implied by a distribution of courses.

EXAMINATIONS AND EVALUATIONS OF STUDENTS

The manner in which students are evaluated, the number and times of examinations, and the consequences of unauthorized failure to take examinations are matters which shall be determined by each faculty member, except in certain coordinated courses, e.g., the Core, where there is a need for closer cooperation among the faculty. The importance of student opinion on such subjects is, again, a matter for the individual instructor. However, students have a right to know the general nature of the method of evaluation. Course instructors shall provide students with this information during the first full week of classes.

ACADEMIC RESIDENCY REQUIREMENTS

To obtain a two-year degree from Medgar Evers College, a student must complete a minimum of 36 credits at Medgar Evers, including at least 25 of his final 30 credits. For a baccalaureate degree, a minimum of 48 credits must be completed at Medgar Evers College, of which 18 to 21 must be in the student's major area of study, and which must include 32 of his final 64 credits.

CREDIT LOAD REQUIREMENTS

In order to earn an associate degree in two academic years or a baccalaureate degree in four years, a student would need to complete an average of 15-16 credits each semester. However, through academic advisement, Medgar Evers College will assist the individual students to earn degrees at their own pace.

The maximum number of credits a student is permitted to carry per semester is 18. Prior permission to take more than 18 credits must be obtained from the Chairman (or his designee) of the Division in which the student is majoring.

Students who have credit loan requirements placed on them because of grants, loans, stipends, veterans benefits, etc., should adhere to those credit requirements.

A student who fails to complete satisfactorily at least one-half of the total number of credits registered for in any fall or spring term may not register for as heavy a credit load in the following term as carried in the term just concluded, except with special permission.

CONDITIONS FOR PROBATION

ADMISSION ON PROBATION

A student admitted into Medgar Evers College with less than a 2.0 grade point average from another institution is admitted on probation.

PROBATION AFTER ADMISSION

A student may be placed on probation under the following conditions:

1. A student shall not be placed on probation during his freshman year (except for a transfer student admitted on probation).
2. After the freshman year, a student shall be placed on probation whenever his grade point average falls below 2.0 (unless admitted on probation).
3. If a student's grade point average for one term falls below 2.0 (but his cumulative index remains above 2.0), he shall not be placed on probation. However, he shall be asked to see a counselor, who will discuss his problem and make suggestions. This constitutes an early warning.

When a student is placed on probation:

1. He shall have an interview with his counselor or adviser, who may recommend credit load limitations or restrictions on extra-curricular activities.
2. He may appeal these limitations to the Office of the Dean of Faculties if he so desires.

CONDITIONS UNDER WHICH A STUDENT MAY BE DROPPED

A student whose grade point average falls below 2.0 for four consecutive semesters may be dropped from the College. The Student Academic Review Committee shall review the records of students who fall into this category. This committee will have the option of extending the student's right to remain in the College. (The student is not dropped automatically.)

A student who is admitted on probation shall not be dropped for at least two semesters. At the end of two semesters, his progress will be evaluated by the College Admissions Committee.

DISCIPLINE

The Board of Higher Education, at a meeting June 23, 1969, passed a resolution regarding the rules and regulations for the maintenance of public order pursuant to Article 129A of the Education Law, and directed that the resolution be printed in official university bulletins as follows:

"The tradition of the university as a sanctuary of academic freedom and center of informed discussion is an honored one, to be guarded vigilantly. The basic significance of that sanctuary lies in the protection of intellectual freedoms: the rights of professors to teach, of

scholars to engage in the advancement of knowledge, of students to learn and to express their views, free from external pressures or interference. These freedoms can flourish only in an atmosphere of mutual respect, civility, and trust among teachers and students, only when members of the University community are willing to accept self-restraint and reciprocity as the condition upon which they share in its intellectual autonomy. Academic freedom and the sanctuary of the university campus extend to all who share these aims and responsibilities. They cannot be invoked by those who would subordinate intellectual freedom to political ends, or who violate the norms of conduct established to protect that freedom. Against such offenders the university has the right, and indeed the obligation, to defend itself.

"We accordingly announce the following rules and regulations to be in effect at each of our colleges which are to be administered in accordance with the requirements of due process as provided in the Bylaws of the Board of Higher Education. With respect to enforcement of these rules and regulations we note that the Bylaws of the Board of Higher Education provide that:

"THE PRESIDENT. The president, with respect to his educational unit, shall:

"(a) Have the affirmative responsibility of conserving and enhancing the educational standards of the college and schools under his jurisdiction;

"(b) Be the advisor and executive agent to the Board and of his respective College Committee and as such shall have the immediate supervision with full discretionary powers in carrying into effect the bylaws, resolutions and policies of the Board, the lawful resolutions of any of its committees and the policies, programs and lawful resolutions of the several faculties;

"(c) Exercise general superintendence over the concerns, officers, employees and students of his educational unit . . ."

RULES

1. A member of the academic community shall not intentionally obstruct and/or forcibly prevent others from the exercise of their rights. Nor shall he interfere with the institution's educational process or facilities, or the rights of those who wish to avail themselves of any of the institution's instructional, personal, administrative, recreational, and community services.

2. Individuals are liable for failure to comply with lawful directions issued by representatives of the University/college when they are acting in their official capacities. Members of the academic community are required to show their identification cards when requested to do so by an official of the college.

3. Unauthorized occupancy of University/college facilities or blocking access to or from such areas is prohibited. Permission from appropriate college authorities must be obtained for removal, relocation and use of University/college equipment and/or supplies.

4. Theft from or damage to University/college premises or property, or theft of or damage to property of any person on University/college premises is prohibited.

5. Each member of the academic community or an invited guest has the right to advocate his position without having to fear abuse, physical, verbal, or otherwise from others supporting conflicting points of view. Members of the academic community and other persons on the college grounds, shall not use language or take actions reasonably likely to provoke or encourage physical violence by demonstrators, those demonstrated against, or spectators.

6. Action may be taken against any and all persons who have no legitimate reason for their presence on any campus within the University/college, or whose presence on any such campus obstructs and/or forcibly prevents others from the exercise of their rights or interferes with the institution's educational processes or facilities, or the rights of those who wish to avail themselves of any of the institution's instructional, personal, administrative, recreational, and community services.

7. Disorderly or indecent conduct on University/college-owned or controlled property is prohibited.

8. No individual shall have in his possession a rifle, shotgun or firearm or knowingly have in his possession any other dangerous instrument or material that can be used to inflict bodily harm on an individual or damage upon a building or the grounds of the University/college without the written authorization of such educational institution. Nor shall any individual have in his possession any other instrument or material which can be used and is intended to inflict bodily harm on an individual or damage upon a building or the grounds of the University/college.

PENALTIES

1. Any student engaging in any manner in conduct prohibited under substantive rules 1-8 shall be subject to the following range of sanctions as hereafter defined in the attached Appendix: admonition, warning, censure, disciplinary probation, restitution, suspension, expulsion, ejection, and/or arrest by the civil authorities.

2. Any tenured or non-tenured faculty member, or tenured or non-tenured member of the administrative or custodial staff engaging

in any manner in conduct prohibited under substantive Rules 1-8 shall be subject to the following range of penalties: warning, censure, restitution, fine not exceeding those permitted by law or by the Bylaws of the Board of Higher Education, or suspension with/without pay pending a hearing before an appropriate college authority, dismissal after a hearing, ejection, and/or arrest by the civil authorities. In addition, in the case of a tenured faculty member or tenured member of the administrative or custodial staff engaging in any manner in conduct prohibited under substantive Rules 1-8 shall be entitled to be treated in accordance with applicable provisions of the Education Law or Civil Service Law.

3. Any visitor, licensee, or invitee, engaging in any manner in conduct prohibited under substantive Rules 1-8 shall be subject to ejection, and/or arrest by the civil authorities.

APPENDIX

SANCTIONS DEFINED

ADMONITION. An oral statement to the offender that he has violated university rules.

WARNING. Notice to the offender, orally or in writing, that continuation or repetition of the wrongful conduct, within a period of time stated in the warning, may be cause for more severe disciplinary action.

CENSURE. Written reprimand for violation of specified regulation, including the possibility of more severe disciplinary sanction in the event of conviction for the violation of any university regulation within a period stated in the letter of reprimand.

DISCIPLINARY PROBATION. Exclusion from participation in privileges or extracurricular university activities as set forth in the notice of disciplinary probation for a specified period of time.

RESTITUTION. Reimbursement for damage to or misappropriation of property. Reimbursement may take the form of appropriate service to repair or otherwise compensate for damages.

SUSPENSION. Exclusion from classes and other privileges or activities as set forth in the notice of suspension for a definite period of time.

EXPULSION. Termination of student status for an indefinite period. The conditions of readmission, if any is permitted, shall be stated in the order of expulsion.

COMPLAINT TO CIVIL AUTHORITIES.

EJECTION.

RESOLVED, That a copy of these rules and regulations be filed with the Regents of the State of New York and with the Commissioner of Education.

RESOLVED, That these rules and regulations be incorporated in each college bulletin.

TUITION FEES AND REFUNDS

All tuition and fee schedules are necessarily subject to change without notice, at any time, upon action by the Board of Higher Education of The City of New York, regardless of its tuition and fee schedules in effect at the time of preregistration.

TUITION

BONA FIDE RESIDENTS OF NEW YORK CITY

Matriculated students are entitled, tuition-free, to 4 credits above their baccalaureate degree requirements and up to 3 credits above their requirements toward an associate degree. Students who have exhausted their allotted free credits are charged for any additional credits at the same rates as non-matriculated students.

Non-matriculated students are charged \$18.00 per credit, plus \$18.00 for the first and \$12.00 for each additional class hour thereafter, in excess of the credit. Students who do not satisfy admission requirements or who, although they satisfy admission requirements, do not follow an approved program, will be classified as non-matriculated students.

RESIDENTS OF NEW YORK STATE OUTSIDE OF NEW YORK CITY

The tuition for a full-time matriculated degree candidate who presents a certificate of New York State residency is \$600 per semester. (Twelve or more credits constitute a full-time load.) Without a certificate of residency the student pays \$600 per semester.

The tuition for full-time non-matriculated students is \$600 per semester.

The tuition for part-time matriculated degree candidates who submit a certificate of residency is \$45 per credit plus \$45 for the first additional class hour and \$30 for each additional class hour.

The tuition for part-time non-matriculated students is \$45 per credit plus \$30 for each additional class hour.

OUT-OF-STATE AND FOREIGN STUDENTS

The tuition rate for non-residents of New York State enrolled full-time is \$45 per credit or \$600 per semester, whichever is the lesser. Part-time out-of-state and foreign students are required to pay \$45 per credit plus \$45 for the first additional class hour and \$30 for each additional class hour thereafter in excess of the credit, in each course.

NON-INSTRUCTIONAL FEES

APPLICATION FEE

All students applying for admission must pay a \$10.00 application fee, which is non-refundable. (Those who have already paid this fee when admitted to another unit of CUNY do not need to pay again.) A check or money order in the exact amount of \$10.00 made payable to University Application Processing Center should accompany all applications sent there. Applications made directly to Medgar Evers College should be accompanied by checks payable to the City University of New York.

CONSOLIDATED FEE

At each Spring and Fall registration, students are required to pay a Consolidated Fee which subsidizes various student activities and also covers laboratory costs for materials and breakage as well as certain costs related to registration, the library, diplomas, and x-ray examinations. The fee is \$55.00, of which \$35.00 constitutes the General College Fee and \$20.00 constitutes a fee for student activities.

All Summer Session students are charged a Consolidated Fee of \$27.00 of which \$17.00 constitutes the General College Fee and \$10.00 constitutes a fee for student activities.

For part-time students the fee is \$30.00, of which \$17.00 constitutes the General Fee and \$13.00 the student activities fee.

The Consolidated Fee is not refundable except in cases where the student's registration is cancelled or altered because of withdrawal of courses by the College.

TRANSCRIPT FEES

Students are charged \$2.00 for each transcript (or certification of enrollment, etc.). However, there is no charge for transcripts sent to other units of CUNY or SUNY.

PENALTY FEES

Late Registration Fee. A fee of \$10.00 is payable by students who register on or after the first day of classes.

Change of Program Fee. Students who want to make any changes in their program (such as adding and/or dropping a course or changing from one section of a course to another) after their program has been approved and they have registered are charged a \$5.00 fee. This also applies to students who withdraw from the College on or after the first day of classes. (The change of program fee is waived when the College cancels, withdraws, or changes the hours of a course in which a student has registered, or when a tuition fee-paying student receives less than a 100% refund of tuition fees as a result of withdrawal from a course or from the College.)

SPECIAL OR MAKE-UP EXAMINATIONS

A fee of \$5.00 is charged for a make-up examination. If a student has to take more than three make-up examinations, the total fee will not exceed \$15.00.

A \$5.00 fee is also charged when, at the student's request, an examination is given at a time other than the one scheduled.

OTHER FEES

Duplicate Record Fee. A charge of \$1.00 is made for the issuance of any duplicate record, receipt, course card, etc.

Duplicate Student ID Card. Students are charged \$2.00 for duplicate ID cards.

Miscellaneous Charges. In addition to those charges listed above, there are other charges for overdue library books, replacement of keys and locks, and for the repair or replacement of any college laboratory or other equipment damaged or lost.

REFUNDS

By the action of the Board of Higher Education of the City University of New York, the following regulations concerning withdrawal and refunds apply:

The date on which the Change of Program or Withdrawal Applications are filed with the College, not the last date of attendance in class, is considered the official date of the student's withdrawal. It is this official date which serves as the basis for computing any refund granted the student. No portion of the consolidated fee, special fees or penalty fees is refundable, except in cases where the student's registration is cancelled or altered for the College convenience. Refund of tuition for courses dropped by a student will be made in accordance with the following schedule:

	<i>Fall and Spring Session</i>	<i>Summer Session</i>
Withdrawal from course before the scheduled opening date of the session.....	100%	100%
Withdrawal from course in order to register at another unit of The City University during that semester	100%	100%
Withdrawal within one week after scheduled opening date of the session.....	75%	50%
Withdrawal during second week after scheduled opening date of the session.....	50%	25%

Withdrawal during third week after scheduled opening date of the session	25%	none
Withdrawal at the end of the third week after scheduled opening date of the session	none	none

Students who are unable to withdraw from courses in person may do so by mail. Requests are to be addressed to the Registrar, with the student's bursar's receipt enclosed. The date of withdrawal will be the date on which the letter is postmarked.

MILITARY SERVICE REFUNDS

The following principles govern refunds made on applications claiming military service:

1. Military service must be documented with a copy of induction or military orders.
2. In order to obtain a grade, a student must attend approximately thirteen (13) weeks (five weeks for Summer Session). No refund will be made to a student who has been assigned a grade, regardless of whether the grade is passing or failing.
3. In instances where students who have enlisted in the armed services do not attend for a sufficient time to qualify for a grade, but continue in attendance to within two (2) weeks of induction, refund of tuition and all other fees except application fee will be made in accordance with the following principles:

Withdrawal before beginning of the fifth calendar week (third calendar week for Summer Session) after scheduled opening date of session	100%
Withdrawal thereafter	50%

4. In instances where students who are drafted into the armed services do not attend for a sufficient time to qualify for a grade, there shall be a 100% refund of tuition and all other fees, except application fees.

STUDENT SERVICES



Under the chairmanship of the Dean of Student Services, various offices of the College provide Medgar Evers students with the following broad range of student services:

COUNSELING

Each Medgar Evers student is assigned to a counselor who offers help in resolving vocational, educational and personal problems during the student's career at the College. Almost all students can benefit from counseling, since on the average, a student changes his educational or vocational plans at least once during his college career. Counseling may also help a student to develop more satisfying personal and social adjustments, both in and out of college.

Counselors are located at the Temple and Brooklyn Prep campuses. They are available by appointment, or in the case of an emergency, on a "walk-in" basis. Counselors offer both individual and group counseling services. All interviews are held in strictest confidence.

The Educational Testing Services frequently can assist the student and his counselor understand the range and variety of his abilities and interests, the kinds of college-level work he can pursue successfully, and the additional preparation he might need to pursue the goals for which his previous training may not have been adequate. Counselors make referrals of students to the testing service and then discuss the test results with the student.

VETERANS AFFAIRS

A Veterans Affairs advisor offers specific counseling services for persons needing information about Veterans Administration benefits, the

Selective Service and career opportunities in the Military Services. Students with prior military service are required to consult with the Veterans Affairs advisor regarding eligibility for Veterans Administration's benefits and counseling.

FINANCIAL AID

Students seeking financial assistance to enable them to pursue their collegiate career as well as those in need of general financial counseling should seek the help of a counselor in the Financial Aid Office. The specific financial aid programs available at Medgar Evers are described in detail in the "Financial Aid Programs" section of this Bulletin.

HEALTH SERVICES

The Medical Office offers emergency medical treatment and medical or health counseling to Medgar Evers students. A registered nurse is on duty during regular class hours at both the Temple and Brooklyn Prep.

Health and accident insurance coverage is provided for all students at no charge. The plan covers full-time students while on the campus and while traveling to and from the College. Part-time students have this insurance coverage while on-campus only. Insurance claim forms are available from the nurses. A Health Record Form is required to be on file for every student enrolled at the College. Students who did not fulfill this requirement prior to admission should make an appointment with one of the nurses.

PLACEMENT

Placement counselors are available to refer students to part-time and full-time jobs, to provide information about careers, and to discuss undergraduate and graduate opportunities at other colleges. They also assist students in identifying their skills and experiences, preparing resumes, and becoming more effective at job hunting and interviews. Students may visit the Occupational Library where voluminous materials are available concerning specific careers or vocations.

STUDENT ACTIVITIES

The Director of Student Activities assists students in the planning and organization of various social, cultural and recreational activities which reflect the interest of the student body. Students are able to participate in a wide-range of activities which they plan including academic or social clubs, interest groups, discussions, seminars, cultural performances, recreational activities and community projects. The Director also serves as advisor to the Student Government Association which enacts legislation and participates in College decision-making which affects the general student body.

FINANCIAL AID PROGRAMS

In addition to the Consolidated Fee, college expenses for matriculated students are generally limited to the cost of books and supplies which amounts to approximately \$150.00 per year. Students should also make allowance in their budgets for necessary carfare and lunch money.

The Financial Aid Office of the Office of the Dean of Student Services provides counseling and financial assistance whenever possible to all students in financial need. Every effort is made to help needy students meet the expenses of entering and remaining in College.

The following financial aid programs are currently available:

COLLEGE WORK-STUDY PROGRAM

This program, established under the Economic Opportunity Act of 1964, enables a full-time matriculated student to pursue his full-time studies while working at a part-time position. Employment may be located on campus or in an outside, non-profit community service agency.

Students may work up to 15 hours per week when classes are in session and up to 40 hours per week during vacation periods. Eligibility for this program is based on the financial status of the student and/or his family.

GI BILL

Any veteran who has served at least 181 days active duty since January 31, 1955, with an honorable discharge is entitled to one and one half months of educational benefits for each month or fraction thereof of service up to a maximum of 36 months. Benefits vary with marital status and credit course load. Eligible students must apply to the Veterans Administration. Students applying for this benefit should consult the Veterans Advisor in the Office of the Dean of Student Services.

BASIC OPPORTUNITY GRANTS

Basic Opportunity Grants are available to exceptionally needy students under a new Federal program started on July 1, 1973. Applications for these grants are processed directly by the Federal Government. Applications will be mailed to those students who qualify or will be available at any Municipal Building. To maintain these grants, students must carry a minimum course load of 12 *credits* per semester.

NATIONAL DIRECT STUDENT LOAN PROGRAM (formerly the National Defense Student Loan Program)

Under this federally-subsidized program, students who are enrolled for half or more of the credits required for full-time status may borrow up to \$1,500 each academic year depending upon need. Repayment is made to the college. The interest rate is a simple 3% per year. Interest does not begin to accumulate, and the student need not begin

to repay the loan, until nine months after he completes his education, including graduate studies and/or his military obligations. Students who later become teachers may have as much as 50% of their loan forgiven, at the rate of 10% for each year of teaching service. Should the student elect to teach in certain eligible schools located in areas of primarily low-income families, he may qualify for cancellation of his entire obligation at the rate of 15% per year.

NEW YORK HIGHER EDUCATION ASSISTANCE CORPORATION LOANS

These loans are available to residents of New York State who can demonstrate need. Eligible students may borrow up to \$1,000 for their first and second years of study; \$1,250 for their third; and \$1,500 for their fourth and subsequent years of study to a maximum of \$7,500. These loans are negotiated through approved commercial banks. Repayment of these loans and their interest charges, which are 7% yearly on unpaid balances, are begun only after a student completes his education. Application may be made at any time. For application or further information contact: The New York State Higher Education Assistance Corporation, 159 Delaware Avenue, Delmar, N.Y. 12054, or the Medgar Evers College Financial Aid Office. Information and application forms are also available at your local savings bank.

NURSING LOAN

Under this federally-subsidized program, eligible nursing students may borrow up to \$1,500 each academic year depending upon need. The repayment procedure is identical to that described for the National Direct Student Loan Program above. A repayment forgiveness plan is also available for persons working in certain Federally-approved hospitals.

NEW YORK STATE SCHOLAR INCENTIVE AWARDS

Any full-time matriculated student at a college in New York State may apply for the scholar incentive award for each semester in attendance. To qualify, a student must be a resident in New York State, must have been a resident for the preceding twelve months, must meet the prescribed academic requirements, and must have a tuition charge (exclusive of fees) of over \$100.00 for the semester. The amount of the award varies according to financial need. Applications should be filed before July 1 for each academic year, but will be accepted up to December 1. Applications for the spring semester have an April 1 deadline. For applications and information, write to: University of the State of New York, State Education Department, Regents Examination and Scholarship Center, Albany, New York 12204, or inquire in the Financial Aid Office at the College.

Note: Residents of New York City are not eligible for the New York State Scholar Incentive Awards.

NEW YORK STATE REGENTS SCHOLARSHIPS

New York State offers Regents Scholarships to residents who plan to attend college and who qualify by competitive examination during their senior year of high school. Grants range from \$250.00 to \$1,000 yearly, depending on need. See your high school guidance counselor or contact Regents Examination and Scholarship Center, State Education Department, 800 Pearl Street, Albany, New York 12204.

EDUCATIONAL OPPORTUNITY GRANTS

Educational Opportunity Grants are available to exceptionally needy students as provided under the Higher Education Act of 1965. To qualify for a grant, a student must:

- A. be enrolled or accepted for enrollment on a matriculated basis
- B. be in good standing
- C. be in full-time attendance as an undergraduate student
- D. be in exceptional financial need (i.e., must show that he would not, except for an Educational Opportunity Grant, be financially able to pursue a course of study at the institution)

The Educational Opportunity Grants range from \$200.00 to \$1,000 annually. The grant must be matched by a scholarship, a Federal loan, or a Work-Study assignment.

NURSING SCHOLARSHIP

This federally-subsidized program provides scholarship assistance for eligible nursing students who have extreme financial need. The maximum scholarship available for one academic year cannot exceed \$1,500.

CENTRAL BROOKLYN MODEL CITY SCHOLARSHIPS

Students living in the Central Brooklyn community or any other Model City area are eligible to apply for these scholarships which amount to approximately \$650 per academic year. The selection criteria used include: (1) residence, (2) family income, (3) student status, and (4) scholarship funds available. Students may apply either at the MEC Financial Aid Office or at the Model City Office on 150 Hinsdale Street in Brooklyn.

DEADLINES FOR APPLYING FOR FINANCIAL AID

Deadlines for filing applications for the Economic Opportunity Grants, National Defense Student Loans, and College Work-Study program are March 1 for transfer students and May 1 for students with no previous college experience. Applications are available during registration, or after September 7 at the Financial Aid Office, where students can also obtain further information and counseling regarding financial aid.

SPECIAL NOTE: As a participant in City, State, and Federal Aid Programs, Medgar Evers College is obligated to adhere to the rules and regulations of these agencies. For example, the Financial Aid Office is responsible to the Federal Government in the application of Section 504 Higher Education Amendments of 1968 (Public Law 90-575). This law mandates the Financial Aid Office to immediately cancel a student's eligibility for Federal Aid and withhold further eligibility for two years upon abuse through involvement in campus agitation. An abuse is defined as the infringement upon the rights of others to receive or to conduct the business of higher education.

THE COMMUNITY SERVICE CENTER

The Medgar Evers Community Service Center is the part of the College specifically oriented to the service of the Mid-Brooklyn community. The Center is presently located at 660 Nostrand Avenue, between Bergen Street and St. Marks Avenue. The primary function of the Center staff is to serve as liaison between the College and the community. Specifically, the Center staff:

- A. Periodically conducts surveys to determine the educational needs and interests of the residents.
- B. Conducts (or sponsors) workshops and seminars of various types for community residents.
- C. Serves in a consultative capacity to community groups when requested, whenever that is possible.
- D. Marshals faculty resources for community service when the need arises.

In general, the Center is charged with discovering and nurturing any special talents, skills, and interest in local residents which can be of mutual benefit to Medgar Evers and to the Mid-Brooklyn community. In addition, the Center assists residents with any educational problems and answers any questions on that subject they may have.

THE LIBRARY



The Library collection, consisting of over 80,875 volumes, is presently being augmented and enlarged, with an emphasis on developing a comprehensive collection of African and Afro-American literature. In addition to the standard fare of books, periodicals and other printed matter, the Medgar Evers College Library offers students cultural and educational materials on microfilm and through other media. A Library staff of eleven professionals and eight clericals stands ready and willing to assist faculty and students in their quest for information and knowledge. The Library, an important unit in the structure of the college, bears a large share of the responsibility for acquiring, organizing, highlighting and disseminating knowledge—old and new, common and uncommon—without which new research and new insights

THE ACADEMIC STRUCTURE OF MEDGAR EVERS COLLEGE

Medgar Evers College is organized into seven divisions—Academic Development; Business and Secretarial Sciences; Health Sciences; Humanities; Natural Sciences; Social Sciences; Teacher Education. The divisions include the disciplines indicated below:

Academic Development—Language Structure, Communications and Language Interpretation

Business and Secretarial Sciences—Accounting, Business and Secretarial Science

Health Sciences—Nursing

Humanities—Art (graphic and plastic), Communication, Performing Arts (speech and drama), English, Film, Languages, Music, Philosophy

Natural Sciences—Biology, Chemistry, Mathematics, Physics, General Science

Social Sciences—Anthropology, Economics, History, Inner City Studies, Political Science, Psychology, Sociology

Teacher Education—Early Childhood and Elementary Education

In addition to the above divisions, Health and Physical Education and Seek and College Discovery are organized into programs.



SPECIAL PROGRAMS

SEEK—Search for Education, Elevation and Knowledge

SEEK is a special educational program for a limited number of students in senior colleges working towards a baccalaureate degree. It provides extra tutorial services, counseling, and instructional assistance in basic academic skills. SEEK students are recipients of special stipends processed through regular financial aid procedures. To apply, the student must fill out a "Special Programs" admission form. In order to be eligible for this program the student must:

- A. be a high school graduate or holder of an Equivalency Diploma;
- B. be a bona fide resident of an officially designated poverty area of New York City, with a family income which falls into an official "low income" category;
- C. not have done any previous college work, with the exception of veterans who may have up to 18 college credits, excluding courses taken under USAFI and/or special University of Maryland courses for military personnel.

COLLEGE DISCOVERY

College Discovery is a special educational program for a limited number of students working toward a two-year associate degree. It provides extra tutorial services, counseling and instructional assistance in basic academic skills. College Discovery students are recipients of special stipends processed through regular financial aid procedures. In order to be eligible for this program a student must file a special CUNY admissions application indicating that the student:

- A. is a high school graduate or holder of an Equivalency Diploma;
- B. meets an official low income economic criterion;
- C. is a bona fide resident of New York;
- D. is under thirty years of age;
- E. had not done any previous college work with the exception of veterans who may have up to 18 college credits, excluding courses taken under USAFI and/or special University of Maryland courses for military personnel.

Special Programs requires all entering SEEK students to take diagnostic tests in basic skills and the freshman level courses in communications skills

COURSE DESCRIPTIONS

CORE 103—SPECIAL PROGRAMS COMMUNICATIONS PROCESSES I **7½ hours; 4.5 credits**

This course involves a general survey of communications and learning processes with special emphasis on basic skills development. Students will learn methods of communication, its impact upon society and the activities of daily life. Various content material will be presented to facilitate the development of basic communications skills. Students will be expected to present at least one research paper and an oral presentation.

CORE 203—SPECIAL PROGRAMS COMMUNICATIONS PROCESSES II **7½ hours; 4.5 credits**

During the second half of the Special Programs Core, students will explore the mechanisms and methods of increasing awareness and gathering information and the major focus on the communication of ideas and information using both oral and written forms. In the area of information gathering, students will be given a survey of speed reading and reading comprehension techniques. In the area of communications, students will compare and contrast expository forms with oral and graphic forms of communication. In addition, they will be exposed to mechanisms needed to display their expertise and knowledge in standard and nonstandard measures.

COUNSELING AND TUTORING

Exemption from both counseling and tutorial groups is highly unlikely, however, students can request an exemption in writing with a justification to the Director of Special Programs. All cases for exemption will be referred to the Special Programs Academic Progress Committee and individual recommendations to the Director will be made by this committee. Students who demonstrate scholastic excellence with an overall G.P.A. of 3.00 (B) and functional competence may be exempted from these requirements at the recommendation of their counselors.

GROUP AND INDIVIDUAL COUNSELING

No Credit

All SEEK students, both freshmen and advanced, are required to allow time in their program schedule for group counseling each week. Group counseling is a required activity of Special Programs and is to provide students an opportunity to discuss college life and academic survival with counselors and teachers. It is expected that group counseling will help students in at least the following ways: (a) to discuss how to achieve a college education and become a resourceful person; (b) to discuss the role of college in vocational guidance and career planning; (c) to discuss relating college experiences to family and friends; (d) to discuss issues on identity and personal development; (e) to discuss issues on drugs, sex education and interpersonal relationships; and (f) to discuss the management of money particularly in respect to financial aid. Individual counseling is by personal arrange-

TUTORING**No Credit**

Based on the academic performance and needs of students, individual and group tutoring is recommended and in some instances required. Assignment to individual and group tutoring will be at the recommendation of Program and College faculty and staff. Tutoring is designed to help students in at least the following ways: (a) to develop a functional competency in communications skills (that is, reading, writing, speaking and conceptualizing) as well as math; (b) to assist in the attainment of competence in the student's major field as well as the management of all materials and requirements; (c) to assist academic progress through completion of Core requirements, achievement of satisfactory grades as well as accumulation of credits; (d) to learn efficient organization and utilization of time to manage college, social, family and other personal responsibilities; (e) to develop effective study habits; (f) to allow for periodic staff assessment of the development of student skills and resourcefulness.

THE DIVISION OF ACADEMIC DEVELOPMENT

The Academic Development Division is concerned with helping students to develop skills in reading, writing and other forms of communication.

The program of this Division makes provisions for meeting basic language needs of incoming freshmen as well as students advanced beyond the freshman level. Some of the significant components of the program include the following:

(a) An effective system of diagnostic testing designed to assess all the resources which students bring to college in terms of their backgrounds, needs and aspirations.

(b) An interlocking curriculum that is specifically geared to build upon students' strengths as an approach to providing the skills for strengthening areas of weakness.

(c) A clearer definition of performance objectives and certification that these objectives have been achieved.

(d) A planned program of in-service teacher education designed to up-grade the quality of classroom services delivered to students.

(e) A system of language research designed specifically to measure the continuing effectiveness of the language program in meeting students' needs.

(f) A utilization of the counseling function to emphasize performance objectives, focusing specifically upon process placement, follow-up, group and individual counseling.

Only those incoming freshmen who give evidence of serious language difficulties in meeting Divisional matriculation requirements will be required to take the entire program.



THE DIVISION OF BUSINESS AND SECRETARIAL SCIENCES

Students entering the Division may major in Accounting, Business Administration or Secretarial Science.

The curriculum for students in the Department of Business is so designed that students are given general and specific techniques, procedures, policies and skills necessary to obtain junior executive positions with business organizations and enterprises. The degree of Bachelor of Science in Business Administration is conferred on students who successfully meet the requirements. In this area, students may select as their field of concentration: Business Administration, Marketing and Management.

The accounting program includes all accounting courses leading toward a degree of Bachelor of Science. Students who major in accounting and complete all the educational requirements for the degree of Bachelor of Science in Accounting are eligible to take the C.P.A. examination immediately after graduation.

Students who major in Secretarial Science and complete all the requirements for the A.A.S. degree are prepared to assume positions as secretaries to executives, lawyers and in a variety of government agencies.



PROJECTED PROGRAMS FOR THE FUTURE

A four year program in Business Education is in the process of being approved. Once it is approved, students who complete requirements for the two year Secretarial Science Program are eligible to continue their studies toward the four year degree in Business Education, which will prepare them to teach Secretarial Science (stenography and typewriting).

Another four year program is proposed in which Secretarial Science majors, after completing their two year degree program, may pursue courses to prepare for Office Administrative Assistants.

A four year degree program is also proposed for students who wish to major in Computer Information Systems.

ACADEMIC STANDARDS

ACCOUNTING MAJORS

All accounting majors, after completing the sophomore years, should have a minimum average of 2.50 in all accounting subjects. Candidates for graduation must have an overall minimum average of 2.50 in all accounting subjects to be eligible to receive the degree in accounting.

BUSINESS ADMINISTRATION MAJORS

All Business Administration majors must maintain an overall minimum average of 2.25 in all business subjects to graduate.

If a student receives an "I" (incomplete) in any Business or Accounting courses, and these courses are part of a sequence of courses, the student may register for the next course but must remove the "I" within two weeks or be subject to dismissal from the course.

SECRETARIAL SCIENCE MAJORS²

All Secretarial Science majors must maintain an overall average of 2.25 in their major in order to graduate.

¹A grade of D in any accounting subject will not be accepted for credit toward a degree in accounting.

²A grade of D in any Secretarial Science subject will not be accepted for credit toward a degree in Secretarial Science.

**RECOMMENDED PROGRAM OF STUDY IN
ACCOUNTING (B.S. DEGREE)**

FIRST SEMESTER	CREDITS	SECOND SEMESTER	CREDITS
College English I	3	College English II	3
College Math 102	2	Math 210	4
Accounting 271	3	Accounting 272	3
Law 101	3	Law 102	3
	<u>11</u>	Typing 151	2
			15
THIRD SEMESTER		FOURTH SEMESTER	
Intermediate Accounting 311... 3	3	Intermediate Accounting 312... 3	3
Business Writing 200..... 3	3	Cost Accounting 374	3
Advanced Accounting 351	3	Economics 201	3
Economics 203	3	Law 103	3
Statistics 281	3	Inner City Studies 336..... 3	3
Science 102	3	Speech 201	3
	<u>18</u>		18
FIFTH SEMESTER		SIXTH SEMESTER	
Accounting 471	4	Quantitative Measurement 476.. 3	3
Auditing 473	3	Computer Science 291	3
Management 211	3	Marketing 231..... 3	3
Taxes 474	3	Taxes 475	3
Economics 301	3	Economics 333	3
Liberal Arts Elective	3	Liberal Arts Elective	3
	<u>19</u>		18
SEVENTH SEMESTER		EIGHTH SEMESTER	
Real Estate 202	3	Contemporary Accounting 472.. 2	2
Municipal Accounting 478	2	Field Experience	3
Liberal Arts Electives	9	Liberal Arts Electives	9
	<u>14</u>		14
		Total Credits 127	

**RECOMMENDED PROGRAM OF STUDY IN
BUSINESS (B.S. DEGREE)**

FIRST SEMESTER	CREDITS	SECOND SEMESTER	CREDITS
College English I	3	College English II	3
Math 102	2	Math 210	4
Introduction to Business 103...	3	Finance 251	3
Business Law 101	3	Business Law 102	3
	<u>11</u>	Typing 151	2
			<u>15</u>
THIRD SEMESTER		FOURTH SEMESTER	
Accounting 271	3	Accounting 272	3
Management 211	3	Personal Management 311	3
Economics 203	3	Marketing Logistics 331	3
Marketing 231	3	Economics 201	3
Business Writing 200	3	Speech 201	3
Science 102	3	ICS 336	3
	<u>18</u>		<u>18</u>
FIFTH SEMESTER		SIXTH SEMESTER	
Statistics 281	3	Computer Science 291	3
Marketing Research 431	3	Retail Store Management 434..	3
Real Estate 202	3	Liberal Arts Electives	12
Liberal Arts Electives	9		<u>18</u>
	<u>18</u>		
SEVENTH SEMESTER		EIGHTH SEMESTER	
Decision Theory 411	3	Personal Finance 453	2
Taxes 474	3	Urban Management 425	2
Advanced Finance 351	3	Retail Advertising 337	2
Liberal Arts Elective	3	Field Experiences	3
	<u>12</u>	Liberal Arts Elective	4
			<u>13</u>
		Total Credits	123

**RECOMMENDED PROGRAM OF STUDY IN
BUSINESS MANAGEMENT (B.S. DEGREE)**

FIRST SEMESTER	CREDITS
College English I	3
Math 102	2
Introduction to Business 103...	3
Business Law 101	3
	11

THIRD SEMESTER	CREDITS
Accounting 271	3
Finance 251	3
Economics 203	3
Personal Management 311	3
Science 102	3
	15

FIFTH SEMESTER	CREDITS
Business Writing 200	3
Industrial Management 313	3
Statistics 281	3
Liberal Arts Electives.....	9
	18

SEVENTH SEMESTER	CREDITS
Decision Theory 411	3
Taxes 474	3
Computer Science 291	3
Liberal Arts Electives	7
	16

SECOND SEMESTER	CREDITS
College English II	3
Math 210	4
Management 211	3
Business Law 102	3
Typing 151	2
	15

FOURTH SEMESTER	CREDITS
Accounting 272	3
Industrial Relations 312	3
Marketing 231	3
Economics 201	3
Liberal Arts Electives	6
	18

SIXTH SEMESTER	CREDITS
Real Estate 202	3
Product Design & Pkg. 338.....	3
Traffic Management 336	3
Liberal Arts Electives	9
	18

EIGHTH SEMESTER	CREDITS
Retail Credit & Collection Management 332	2
Urban Management 425	2
Personal Finance 453	2
Field Experience	3
Liberal Arts Electives	3
	12

Total Credits 123

**RECOMMENDED PROGRAM OF STUDY IN
MARKETING (B.S. DEGREE)**

FIRST SEMESTER	CREDITS
College English I	3
Math 102	2
Introduction to Business 103....	3
Law 101	3
	11

THIRD SEMESTER	
Accounting 271	3
Finance 251	3
Economics 203	3
Marketing Logistics 331	3
Science 102	3
Management 211	3
	18

FIFTH SEMESTER	
Statistics 281	3
Marketing Research 431	3
Business Writing 200	3
Liberal Arts Electives	9
	18

SEVENTH SEMESTER	
Inner City Development 433....	3
International Marketing 335	3
Taxes 474	3
Liberal Arts Electives	7
	16

SECOND SEMESTER	CREDITS
College English II	3
Math 210	4
Marketing 231	3
Law 102	3
Typing 151	2
	15

FOURTH SEMESTER	
Accounting 272	3
Computer Science 291	3
Economics 201	3
Management of Promotion 338..	3
Liberal Arts Electives	6
	18

SIXTH SEMESTER	
Retail Store Management 434..	3
Marketing Planning and Decision Making 410	3
Liberal Arts Electives	9
	15

EIGHTH SEMESTER	
Retail Advertising 337	2
Retail Credit and Collection 332.	2
Human Relations 412.....	2
Field Experience	3
Liberal Arts Elective	3
	12

Total Credits 123

**RECOMMENDED PROGRAM OF STUDY IN
SECRETARIAL SCIENCE (A.A.S. DEGREE)
EXECUTIVE OPTION**

FIRST SEMESTER	CREDITS	SECOND SEMESTER	CREDITS
College English I	3	College English II	3
Business Shorthand I	3	Business Shorthand II	3
Secretarial 121		Secretarial 122	
Typing I	2	Typing II	2
Secretarial 151		Secretarial 152	
Elective*	6	Accounting I	3
	<u>14</u>	Business 271	
		Elective*	6
			<u>17</u>
 THIRD SEMESTER		 FOURTH SEMESTER	
Office Machines	2	Business Shorthand IV	3
Secretarial 219		Secretarial 224	
Executive Secretarial	3	Business Transcription	2
Practice-Secretarial 291		Secretarial 262	
Business Shorthand III	3	Introduction to Business	3
Secretarial 223		Business 103	
Business Transcription I	2	Executive Secretarial Practice ..	3
Secretarial 261		Secretarial 292	
English for Secretaries	3	Secretarial Experience Seminar ..	1
English 204		Secretarial 297	
Law	3	Elective*	6
Business 101			<u>18</u>
	<u>16</u>		
		Total Credits 65	

*Must be taken in Liberal Arts or Science area.

**RECOMMENDED PROGRAM OF STUDY IN
SECRETARIAL SCIENCE (A.A.S. DEGREE)
LEGAL OPTION**

FIRST SEMESTER	CREDITS	SECOND SEMESTER	CREDITS
College English I	3	College English II	3
Business Shorthand I	3	Business Shorthand II	3
Secretarial 121		Secretarial 122	
Typing I	2	Typing II	2
Secretarial 151		Secretarial 152	
Elective	6	Accounting	3
	<u>14</u>	Business 271	
		Elective*	6
			<u>17</u>
THIRD SEMESTER		FOURTH SEMESTER	
Business Law	3	Legal Shorthand	3
Business 101		Secretarial 231	
Office Machines	2	Legal Transcription	2
Secretarial 219		Secretarial 271	
Legal Secretarial Practice	3	Legal Secretarial Practice	3
Secretarial 293		Secretarial 294	
Business Shorthand III	3	Introduction to Business	3
Secretarial 223		Business 103	
Business Transcription	2	Secretarial Experience Seminar ..	1
Secretarial 261		Secretarial 297	
English for Secretaries	3	Elective*	6
English 204			<u>18</u>
	<u>16</u>		
		Total Credits 65	

*Must be taken in Liberal Arts or Science area.

COURSE DESCRIPTIONS

ACCOUNTING

ACC 271/272—MANAGERIAL ACCOUNTING I & II 6 hours; 6 credits

A study of the basic principles and procedures of accounting related to the functions of control and decisions. Topics include financial accounting, cost accounting, taxation, profit measurement, and business performance. Acc 271 is prerequisite for Acc 272.

ACC 311/312—INTERMEDIATE ACCOUNTING I & II

6 hours; 6 credits

Financial statements are studied as a means of communicating meaningful information to stockholders, creditors, and others. This course exposes the student to the problems involved in determining the nature, the valuation, and the presentation of the more commonly encountered types of assets, liabilities, and capital. The student is acquainted with the important controversies involving alternative presentations and authority for determining generally accepted accounting principles. Acc 311 is prerequisite for Acc 312.

ACC 374—COST ACCOUNTING

3 hours; 3 credits

A study of costs for managerial planning and control as well as for financial statement purposes. The course is designed to develop the student's ability to analyze, to identify relevant factors, and to deal with accounting information for decision-making purposes. Topics include cost behavior and volume/profit relationships, responsibility accounting, standard costs, and budgets. Prerequisite: Acc 312.

ACC 401—FIELD EXPERIENCE IN ACCOUNTING 15 hours; 3 credits

Students in their last semester will be placed in job areas of their respective major to gain job experience. The student will be required to submit weekly reports concerning the nature of the work he is doing and also to report the different techniques and approaches arising in his major area.

ACC 471—ADVANCED FINANCE ACCOUNTING 4 hours; 4 credits

This course broadens and intensifies the student's knowledge of accounting by exposing him to many different situations and demonstrating to him the ways in which accounting concepts are operative in a variety of applications. Topics include business combinations, consolidated statements, fund accounting, government accounting, liquidations, installment sales, and concepts and applications of compound interest.

ACC 472—CONTEMPORARY ACCOUNTING 2 hours; 2 credits

This course has two objectives: 1) to acquaint the student with current accounting issues and problems, and with the latest research efforts in the field, and 2) to bring together concepts and methodologies covered in previous courses, both in accounting and in other disciplines, so that the student may view accounting as a whole and in perspective. Selected readings in recent publications, questions and problems from the standard CPA examination and case materials are some of the vehicles employed.

ACC 473—AUDITING **3 hours; 3 credits**

A study of the philosophy and methodologies of auditing to give the student a working knowledge of the basic concepts of auditing and an understanding of the auditor's contribution to society. Topics include generally accepted auditing standards, professional ethics, legal responsibilities, internal control and the auditor's report.

ACC 474—TAXATION **3 hours; 3 credits**

This course covers accounting problems encountered in and the laws applicable to Federal tax returns. Topics include nature of taxable and non-taxable income, allowable and non-allowable business and personal deductions, capital gains and losses, estate and gift taxes. The emphasis is on basic problems, timing transactions and different taxable entities.

ACC 475—NEW YORK CITY TAXATION **3 hours; 3 credits**

A study of the various Federal, State and local taxes that affect businesses in the inner-city. Taxes that will be examined are New York State sales and general business taxes, social security taxes, New York State Franchise taxes and other taxes that affect businesses in the inner-city.

ACC 476—QUANTITATIVE MEASUREMENTS**2 class hours, 2 lab; 3 credits**

This course covers volume-cost-profit analysis including break-even analysis, profit and loss concepts. It will also cover all the financial ratios, application of capital budgeting, linear programming, forecasting and planning.

ACC 478—MUNICIPAL ACCOUNTING **2 hours; 2 credits**

This course will deal specifically with Fund Accounting and special emphasis will be placed on examining municipal records and statements so a student will have accounting knowledge of how different municipal agencies operate.

BUSINESS**BUS 103—INTRODUCTION TO BUSINESS** **3 hours; 3 credits**

This is an introductory survey course designed to acquaint students with business as a field of study. The role of business in the life of the individual and society will be analyzed. Attention will also be given to how the business system works. The functional areas of Accounting, Management, Marketing, Finance, and Information Science will be surveyed.

BUS 281—STATISTICS FOR BUSINESS DECISIONS**3 hours; 3 credits**

An introductory study is made of the essential matter of statistical methods with emphasis on managerial decision-making. Topics include: the nature of statistics; descriptive statistics—frequency distributions, descriptive measures, index numbers; probability, expectations, games and decisions; sampling distributions; decision-making estimation, tests of hypotheses, problems of prediction; business research methods; introduction of operations research.

BUS 291—COMPUTER AND INFORMATION SYSTEM**3 hours; 3 credits**

A practical course for people who are interested in acquiring a general knowledge of electronic data processing. The course presents a brief historical sketch of the evolution of data processing, progressing through a discussion of punched card machines, the organization and functions of modern computer systems, the representation of information, and an introduction to computer applications. In addition, the student will be introduced to flow charting and programming concepts.

FINANCE**FIN 251—FINANCIAL MANAGEMENT****3 hours; 3 credits**

A survey is made of the methods of organizing and financing business. Attention is directed to various procedures and devices used in obtaining funds for short and long term purposes. Special attention is given to surplus and reserve policies and to growth and business combinations.

FIN 351—ADVANCED FINANCE**3 hours; 3 credits**

An analysis of the organization and operation of the financial system. Includes an analysis of money and capital markets, commercial banking, investment banking, central banking and banking policy.

FIN 352—INVESTMENT ANALYSIS**3 hours; 3 credits**

Analysis of various types of securities and valuation tests for bonds and stocks. Investment management and security markets are also studied.

FIN 451—PUBLIC FINANCE**3 hours; 3 credits**

Analysis of the theory and practice of public finance including taxation, debt management, expenditures and public policy.

FIN 453—PERSONAL FINANCE**2 hours; 2 credits**

Discusses problems involved in handling personal finance including methods of borrowing, home financing, interest rates, savings and checking accounts and insurance.

FIN 455—INTERNATIONAL FINANCE**3 hours; 3 credits**

A study of the theory, mechanics and institutions of international finance. The role of the International Monetary Fund, World Bank and International Finance Corporation in stabilizing and financing World Trade.

FIN 457—BANKING PRACTICES**3 hours; 3 credits**

Operation of banking institutions particularly commercial banks. Reserves, loss, and investment policy and liquidity are considered.

LAW**LAW 101—BUSINESS LAW I****3 hours; 3 credits**

After a brief survey of the American legal system, the essential principles of the law of business contracts are examined and applied to typical business transactions. The principal materials of study are New York cases of recent decades.

LAW 102—BUSINESS LAW II **3 hours; 3 credits**

Following a review of the doctrines governing principal and agent, the course examines the law governing partnerships and corporations in their formation, operation, internal relationships, and dissolution, with particular reference to the law.

LAW 103—BUSINESS LAW III **3 hours; 3 credits**

An examination into the legal aspects and the use of commercial paper such as checks, notes, drafts and acceptance and how they are used in business. Also a study of the law of sales and several transactions and their relationships and importance to business.

LAW 201—THE LAW OF CREDITORS RIGHTS **3 hours; 3 credits**

Legal procedures for the recovery, collection, and enforcement of judgment. The course examines bankruptcy and the various other procedures, state and federal, for dealing with embarrassed or insolvent debtors, including extension of time payment reorganization and liquidation.

LAW 202—THE LAW OF REAL ESTATE TRANSACTION**3 hours; 3 credits**

Designed to give Real Estate Brokers and others with a special interest in real estate matters a general view of the legal questions that arise in the selling and mortgaging of real estate in New York City. Includes aspects dealing with the legal rights, duties and responsibilities of real estate instruments.

MANAGEMENT**MAN 211—INTRODUCTION TO BUSINESS MANAGEMENT****3 hours; 3 credits**

The organization and essential functions of a typical modern enterprise are studied, and the current managerial concepts, tools, and techniques used in design, manufacturing, procurement, production, record keeping and personnel are analyzed. Emphasis is placed on the need, significance, and function of increased productivity of the firm and means of attaining this goal. The manager as a decision-maker in a dynamic society and the up-to-date concepts he employs are carefully examined. The changing direction of business in the light of such new developments as automation, electronic data processing, quantitative controls, and application of the behavioral sciences to business are explored.

MAN 311—PERSONNEL MANAGEMENT **3 hours; 3 credits**

A study of the personnel functions in business organizations. Recruiting, testing, selecting, training, and promoting are some of the topics considered.

MAN 312—INDUSTRIAL RELATIONS **3 hours; 3 credits**

This course provides a background in labor-management relations. Examines the growth and development of unions, negotiation and collective bargaining procedures, and techniques and operations of grievance machinery.

MAN 313—INDUSTRIAL MANAGEMENT **3 hours; 3 credits**

Considers the basic areas of operations of industrial enterprise, economics of production, production planning, managerial control, plant layout, material handling, quality control, and work measurement. The relationship of these areas to high quality managerial performance is emphasized.

MAN 336—TRAFFIC MANAGEMENT **3 hours; 3 credits**

Organization and functions of a traffic department; problems in shipping via rail, motor, water, air and integrated facilities such as piggyback. The Interstate Commerce Commission regulations and relating laws will be discussed. Exporting and importing operations as well as duties and rights of shippers will be discussed.

MAN 411—DECISION THEORY **3 hours; 3 credits**

Discusses and analyzes the theories, methods, and processes of decision-making which are an integral part of the preparation of managers. Emphasis is placed upon the application of theory and methodology in business management situations. Management systems and management information systems will be simulated and evaluated.

MAN 412—HUMAN RELATIONS **2 hours; 2 credits**

Brings together relevant data from the behavioral sciences to explain the behavior of individuals or groups working together. Organizational behavior, communication, motivation, and social environment are some of the topics discussed.

MAN 425—URBAN MANAGEMENT **2 hours; 2 credits**

Applies the principles of management confronting the inner-city communities. This course will enable the students to understand the nature and causes of these problems and the managerial practices that can be applied. Topics to be discussed include: the organization of business in inner-cities, organization of cooperative enterprises and credit unions, funding of community projects, employment and training problems, building leadership codes, attracting business into underprivileged areas, and planning programs for local action.

MARKETING**MAR 231—INTRODUCTION TO MARKETING MANAGEMENT** **3 hours; 3 credits**

This course emphasizes the role of the marketing system in the economy and the social consequences of marketing activity. The processes by which supply and demand are equalized in marketing channels are considered as well as the strategies employed to achieve management objectives. The course also includes an analysis of the marketing institutions which comprise distribution channels.

MAR 331—MARKETING LOGISTICS **3 hours; 3 credits**

The study of the scientific management of the flow of goods through the distribution system. Cost and demand variables are considered within the context of a spatial framework. Topics covered include location of plant and warehouse facilities, inventory control, transportation modes and rates, and warehousing.

MAR 332—RETAIL CREDIT AND COLLECTION MANAGEMENT **2 hours; 2 credits**

The essentials of consumer credit agencies sources of credit information, the credit division, collection procedure, and legal remedies. A basic course for retail charge account, installment credit, and personal loan work.

MAR 333—MANAGEMENT OF PROMOTION **3 hours; 3 credits**

The management activities of defining promotion goals, developing strategies, formulating budgets, and scheduling programs are considered. The course also emphasizes communication and promotion theories as they relate to stimulating demand for goods and services.

MAR 335—INTERNATIONAL MARKETING **3 hours; 3 credits**

An analytical survey on the policies, practices, and functions related to the marketing of products and services in foreign countries. Includes a consideration of market opportunities, channels of distribution, and the role of government. Also emphasizes the technical, legal, and financial features of international marketing.

MAR 337—RETAIL ADVERTISING **2 hours; 2 credits**

Intended to provide students with a sound approach to the problems of retail store advertising. Included is the preparation of copy for various types of merchandise as well as discussion for comparison of current ads appearing in New York newspapers.

MAR 338—PRODUCT DESIGN AND PACKAGING **3 hours; 3 credits**

A study of the problems that management encounters in the designing or redesigning of a product. Consideration will be given to costs, suitability for production, materials and methods to be used. Preparation of packages or containers depending on the type of commodity, method of shipping and government regulations. Emphasis will be placed on product design as it relates to quality control, production planning and areas of traffic management.

MAR 410—MARKETING PLANNING AND DECISION MAKING **3 hours; 3 credits**

This course provides a student with a chance to write an annual plan which can be used by management. The plan will include the market evolution and product development which makes Performance History. The next phase, Current Situation, will include present environment and expeditions for the planning year, capability assessment, opportunity delineation. Following this will be concluded with proposals, schedules and budgets governing the research and a Financial Summary with review and evaluation.

MAR 431—MARKETING RESEARCH 3 hours; 3 credits

Covers the fundamentals of scientific investigation in solving marketing problems. Emphasizes the quantitative approach with qualitative considerations also examined.

MAR 433—INNER CITY BUSINESS DEVELOPMENT 3 hours; 3 credits

An exploration of inner-city problems and their relationship to business and economic development. Includes a review and evaluation of models for ghetto business development and an examination of the marketing system in the ghetto. The dynamics of technical assistance are considered, including the role of government and community organizations.

MAR 434—RETAIL STORE MANAGEMENT 3 hours; 3 credits

Principles of store operation and management including trade area analysis and evaluation, buying and merchandising, inventory control systems, and retail accounting practices.

SECRETARIAL SCIENCE**SEC 121—BUSINESS SHORTHAND I (GREGG) 3 hours; 3 credits**

All the principles of Gregg Shorthand are learned while dictation speed is built to 60 WPM for 5 minutes.

SEC 122—BUSINESS SHORTHAND II (GREGG) 3 hours; 3 credits

Shorthand principles, as well as punctuation and spelling, are reviewed in this course as dictation speed is built to 80 WPM for 3 minutes. Material used is from the areas of aviation, banking, education, insurance, manufacturing, publishing, and travel.

SEC 151—TYPING I 1 class hour, 2 lab; 2 credits

All keys are learned. Typing skill of 25-30 WPM is built on straight copy, business letters, memorandums, tabulations, and term papers.

SEC 152—TYPING II 1 class hour, 2 lab; 2 credits

Advanced business letters, technical papers, employment applications, and tables are included in the material used to bring typing speed to 45-55 WPM for 5 minutes.

SEC 219—OFFICE MACHINES 2 lab hours; 2 credits

Skill is developed on the 10-key adding, printing calculator, switchboard, spirit duplicator, mimeograph, offset, electronic calculator, bookkeeping machine, dictaphone, MTST and the keypunch machine. The operation of specialized office machines—adding and listing, rotary and electronic calculators.

SEC 223—BUSINESS SHORTHAND III (GREGG) 3 hours; 3 credits

In these courses for Executive Secretarial Majors, shorthand speed is pushed to 100 WPM for 3 minutes; shorthand principles are reviewed along with spelling, punctuation, and other mechanics of English.

SEC 224—BUSINESS SHORTHAND IV (GREGG) 3 hours; 3 credits

Stenographic speed is brought up to 120 WPM for 3 minutes. Business Shorthand IV is the terminal course in shorthand for Executive Secretarial Majors.

SEC 231—LEGAL SHORTHAND (GREGG) 3 hours; 3 credits

Legal papers, court documents, wills, mortgages and the lease are part of the material dictated during this course. Stenographic speed reaches up to 120 WPM for 3 minutes.

SEC 261—BUSINESS TRANSCRIPTION I**1 class hour, 2 lab; 2 credits**

Shorthand notes are transcribed into neat, accurate letters at 20-30 WPM. Business vocabulary is reviewed.

SEC 262—BUSINESS TRANSCRIPTION II**1 class hour, 2 lab; 2 credits**

Business notes are transcribed with multiple carbons at 30-40 WPM and graded for mailability.

SEC 271—LEGAL TRANSCRIPTION**1 hour; 2 credits**

Shorthand notes are transcribed at 25-35 WPM on a wide range of legal stationery.

SEC 291—EXECUTIVE SECRETARIAL PRACTICE I**3 hours; 3 credits**

Telephone and receptionist techniques as well as business writing and the art of ordering the right supplies are among the topics discussed in this class.

SEC 292—EXECUTIVE SECRETARIAL PRACTICE II**3 hours; 3 credits**

Data processing, mail handling, and filing are studied along with the services of travel agencies, banks, and shipping companies. In addition, good grooming, makeup techniques, and clothes selection are reviewed.

SEC 297—SECRETARIAL EXPERIENCE SEMINAR I 1 hour; 1 credit

Students receive occupational information from various types of businesses and discuss job application and testing procedures. Films, guest speakers and field trips to industry are included in the course. Students are required to work for a minimum of 100 hours at a secretarial job of their choice. On-the-job problems are discussed.

SEC 293—LEGAL SECRETARIAL PRACTICE I 3 hours; 3 credits

An in-depth discussion of the activities of the law office with particular emphasis on the duties of the legal secretary.

SEC 294—LEGAL SECRETARIAL PRACTICE II 3 hours; 3 credits

This term takes the student from essential legal vocabulary and rhetoric to the understanding of client and court documents.

SEC 555—ABC SHORTHAND AND TRANSCRIPTION**3 class hours, 2 lab; 3 credits**

The aim of this course, which is designed primarily for adults who wish to return to the world of work quickly, is to give job skills in one semester. An alphabetic system of shorthand is taught along with typing and transcription. No previous shorthand or typewriting skills are necessary. Not open to degree candidates.

THE DIVISION OF HEALTH SCIENCES

THE NURSING PROGRAM

The nursing program is designed to (1) be responsive to the needs of the open enrollment student; (2) maintain academic excellence and increase the potential for success for the nursing student, by allowing him to progress at his own individual pace; (3) provide a two-step career ladder in nursing education; and (4) reflect awareness of the health needs of the residents of the Central Brooklyn Community.

The lower division program is sub-divided into two parts: pre-nursing, which consists of the student's first year in college; and the nursing program. In the pre-nursing year, students take a prescribed series of courses which are required for nursing.

The lower division program requires from two to three years to complete, depending upon the rate at which the student is able to progress.

Students are required to satisfactorily complete Remedial English, Mathematics (NSM 101), and Pre-Science courses prior to acceptance into the Pre-Nursing Program. Challenge examinations are administered upon entrance into the college. Persons passing these examinations will be exempt from the above courses.

No more than 75 students will be admitted to the Nursing Program each year. The 75 students with the highest grade-point average will be accepted. No student will be accepted who has less than a C in any required course.

To progress from one semester to the next, a student must maintain a C or better in each required course. Any course not passed with at least a C may be repeated one time only.

With the completion of the 68 credits required, an A.A.S. degree will be awarded and the student will be eligible to take the New York State Board Examination for licensure as a Registered Professional Nurse.



RECOMMENDED PROGRAM OF STUDY IN NURSING (A.A.S. DEGREE)

PRE-NURSING

FIRST SEMESTER	CREDITS	SECOND SEMESTER	CREDITS
Engl 100—English I.....	3	Engl 105—English II or an Elective	3
Nur 100—Orient. to Health Science	1	NSB 251—Human Bio. I.....	4
Nur 105—The Develop. Person in the Black & Hispanic Fam....	3	Soc 101—Introd. to Sociology... 3	
NSC 103—Introd. to Chem.....	4	Psy 101—Introd. to Psychology.. 3	3
	<u>11</u>		<u>13</u>

FIRST YEAR NURSING

THIRD SEMESTER	CREDITS	FOURTH SEMESTER	CREDITS
NSC 252—Human Biology II....	4	NSB 361—Immunology & Path, Microbiology	4
Nur 101—Nursing I	6	Nur 102—Nursing II	7
	<u>10</u>		<u>11</u>

SECOND YEAR NURSING

FIFTH SEMESTER	CREDITS	SIXTH SEMESTER	CREDITS
Nur 201—Nursing III	10	Nur 202—Nursing IV	9
Elective	2	Nur 203—Nursing in the Inner City	2
	<u>12</u>		<u>11</u>

Total Credits 68

COURSE DESCRIPTIONS

NUR 100—ORIENTATION TO HEALTH SCIENCES (Fall or Spring) 1 hour; 1 credit

Orientation course for students interested in nursing and other health fields. Emphasis on roles and potentialities of the nurse in health services. Discussion of those skills the student can develop to enhance his nursing knowledge.

NUR 101—NURSING I—BEHAVIORAL CONCEPTS AND THE NURSING PROCESS (Fall)

3 class hours, 3 recitation, 9 lab; 6 credits

Introduction to the basis of nursing practice. The organizing themes which relate to human behavior and its variations in health-illness states. Fundamental nursing concepts, understandings and skills presented. Related laboratory study and appropriate nursing agencies used. Prerequisite or concurrent: Bio 251, Math 101, Nur 105.

NUR 102—NURSING II—NURSING OF THE CHILD BEARING FAMILY (Spring)

3 class hours, 3 recitation, 12 lab; 7 credits

Fundamental principles underlying the care of the mother and the child before, during and after the birth of the baby. The emotional aspects of childbearing as it relates to the developing family at different points of the life cycle. Included problems of unwed mothers and unwed fathers, and sterility in families of child-bearing age. Principles of care of premature, well and sick infant; problems in pregnancies. Laboratory settings will include hospitals, comprehensive health centers, public health agencies and community families. Prerequisite: Bio 251, Math 101, Nur 101, Nur 105. Prerequisite or concurrent: Chem 103, Bio 252.

NUR 105—THE DEVELOPING PERSON IN THE BLACK AND HISPANIC FAMILY AS IT RELATES TO HEALTH PROBLEMS & HEALTH CARE (Fall or Spring)

3 hours; 3 credits

Consideration of changes in personal and social behavior as it relates to family structure and interactions. Emphasis will be placed on strengths in the Black and Hispanic family and their effects on roles and behavior as the individual moves through the span of life from birth to senescence.

NUR 201/202—NURSING III & IV—NURSING OF PATIENTS WITH PATHOPHYSIOLOGICAL AND PSYCHOSOCIAL CONDITIONS

(Nur 201: Fall) 6 class hours, 12 lab; 10 credits

(Nur 202: Spring) 5 class hours, 12 lab; 9 credits

Major emphasis is on nursing care of people experiencing varying degrees of illness. Persons in the illness continua will have medical, surgical, and psychiatric conditions ranging from simple to complex interruptions in the life process. Knowledge and skill in meeting the individual and/or family's needs in health maintenance is integrated throughout. Continuation of the fundamental concepts, understandings, and skills begun in previous courses. Laboratory settings will include those which provide experiences with ill persons through the total life cycle. Prerequisite: Nur 102, Nur 201 for 202.

NUR 203—NURSING IN THE INNER CITY

2 hours; 2 credits

Historical development of nursing will be viewed as it relates to the inhabitants of inner city communities and to nurses who come from these areas. Emphasis will be on those persons with African and Hispanic linkages. Study will encompass political, economic, socio-cultural, scientific and educational frameworks. Stress will be placed on identification of present and future nursing roles, drawing upon students' previous experiences and learning in prior nursing courses.

THE DIVISION OF HUMANITIES

The Division of the Humanities offers courses in Art, Music, Literature, Foreign Languages, Mass Communications, Speech, Theater, Writing, Philosophy, Religion and Ethnic Studies. The Division currently offers the degree of Associate in Arts; a program for the Bachelor of Arts degree is now in the final stages of development.

Blending Interdisciplinary courses with studies in the traditional disciplines, programs in the Humanities are aimed at developing a command of skills in the "useful" arts: writing, speaking and analytical thinking; a familiarity with areas useful in future careers, such as foreign languages and the media; an ability for expression and aesthetic understanding in art and music; an awareness of the cultures of other lands and peoples; and a particular appreciation of the student's own cultural heritage and creative potential.

THE ASSOCIATE IN ARTS DEGREE

The Associate in Arts (A.A.) curriculum constitutes the first two years of a full four-year baccalaureate program. The curriculum provides the kind and number of courses needed by a student to participate in a transfer program. Any student who successfully completes this two-year program is eligible for admission to a senior CUNY college to pursue the baccalaureate degree in the Liberal Arts.

PROGRAM REQUIREMENTS:

For the A.A. degree the minimum number of credits required of each student is 64; of these 64 credits, 75% must be taken in Liberal Arts courses, i.e., Humanities, Social Sciences, and Natural Sciences. Studio, laboratory, and performance courses are not considered part of the Liberal Arts.

BACHELOR OF ARTS DEGREE (PROPOSED)

The Bachelor of Arts degree offers the Humanities student opportunity to concentrate his studies in *two* of the following four general areas:

1. Foreign Languages
2. Mass Communications
3. Interdisciplinary and Ethnic Studies
4. Traditional disciplinary concentrations (Art, English, Music)

To complete this double concentration, the student is required to take a total of 60 credits in two areas of specialization. Credits in both course work and independent study may be required by either of the two concentrations.

PROGRAM REQUIREMENTS:

In addition to the college requirement for mathematics skills, the following are required for the Humanities B.A. degree:

Writing Skills: College English I and II, or the equivalent by exemption examination.

Speaking Skills: Either Speech 101 or 201 depending on the results of an examination administered by speech faculty.

Foreign Language: Second-year capability, either by course or by examination, may be required according to area of concentration.

Humanities I And II: Required of all students for the Humanities B.A.

General guidelines for distribution of credits are as follows:

Two areas of specialization course work and independent study ¹	60 credits
Humanities I and II	8 credits
College English I and II	6 credits
Speech 101 or 201	3 credits
Electives (to include one 9 credit "cluster" in Natural Sciences and another in Social Sciences. Courses taken to fulfill a language requirement or a mathematics requirement would be part of this classification)	45 credits
Total 122 credits	

Entrance examinations, administered in cooperation with the Academic Development Division, will be required of all students desiring to enroll in courses leading to the B.A. in the Humanities. It may be that work in the Academic Development Division will be required of the student before he or she is prepared to enter the Humanities B.A. program.

The number of credits allotted to this pre-college work will vary with each student and will not be estimated here. However, it is not anticipated that this number would exceed four credits, the number of tuition-free credits presently allocated by CUNY beyond credits required for the degree.

¹N.Y.C. Board of Ed. requirements for provisional certification: for secondary school teachers—12 credits in Education in addition to 36 hours of concentration in their subject area; for Foreign Language teachers—24 credits in their language, in addition to a supervised college-student teaching experience. This opportunity will be available to students when the Teacher Education Program has been implemented.

**SAMPLE DOUBLE CONCENTRATION PROGRAM
MASS COMMUNICATIONS AND
ENGLISH CONCENTRATION**

FIRST SEMESTER	CREDITS	SECOND SEMESTER	CREDITS
College English I	3	College English II	3
Mathematics 105	3	Speech 204	3
Speech 101	3	French 102	3
French 101	3	Media 180 (TV & Radio Intro.)...	3
Elective (Soc. Sci.)	3	English 103	3
	<u>15</u>		<u>15</u>
 THIRD SEMESTER		 FOURTH SEMESTER	
Humanities I	4	Humanities II	4
English 215	3	English 216	3
Commun. Organ.	3	Media 301 (TV Prod. I)	3
Media 284 (Sci. in Commun.)...	3	Media 290 (Found. of Broadcasting)	3
Elective (Science)	3	Elective (Science)	3
	<u>16</u>		<u>16</u>
 FIFTH SEMESTER		 SIXTH SEMESTER	
Media 302 (Advan. TV Prod.)...	3	Media 361 (Film Prod.)	3
English 223 (Surv. of Amer. Lit. I)	3	Psych. of Oppression	3
English 219 (Surv. of Afro-Amer. Lit. I)	3	English 224 (Surv. Amer. Lit. II) ..	3
Media 391 (Wrkshp: Media Writing I)	3	English 220 (Surv. Afro-Amer. Lit. II)	3
Elective (Soc. Sci.)	3	Media 293 (Wrkshp. in TV Design-light, graph, makeup)	3
	<u>15</u>		<u>15</u>
 SEVENTH SEMESTER		 EIGHTH SEMESTER	
Media 272 (Med. & Minorities-Anal.)	3	Media 490 (Media Practicum)...	3
English 305 (Chaucer)	3	English 400 (Independent Study)	3
English 307 (Shakespeare)	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	<u>15</u>		<u>15</u>

Total Credits 122

- ART 153—FIGURE DRAWING** **3 hours; 3 credits**
An exploratory studio course teaching the student to deal with the figure in a variety of media including drawing, painting and clay modelling.
- ART 160—ART FOR TEACHERS*** **3 hours; 3 credits**
This course offers an introduction to a variety of art techniques and media, focusing primarily on design principles. Prospective teachers are trained in creative art projects specially geared for children on the elementary school level, such as reading readiness skills, and developing other educational areas through the creative experience.
- ART 180—METALWORK AND JEWELRY*** **3 hours; 3 credits**
Introduction to basic concepts of functional design in metalworking process. Shaping, forming, joining, soldering, silversmithing and other aspects connected with jewelry.
- ART 203—CERAMICS** **4 hours; 3 credits**
A studio course in the study of clay, its sources, nature and potentialities as related to the ceramic arts. Various methods for pottery making, coil and slab building, throwing, slipcasting, glazing, and firing are covered.
- ART 205—SCULPTURE** **4 hours; 3 credits**
A studio course designed to introduce the student to basic sculpture. Emphasis is on mold-making, casting, wood carving, welding, and plastic techniques.
- ART 207—DRAWING AND PAINTING** **3 hours; 3 credits**
A combined studio and art analysis course including drawing, pen and ink, conté crayon, charcoal, watercolor, wash, and oils. Lectures and discussion will deal with African, contemporary, and community art; papers and museum trips are an integral part of the course.
- ART 208—ADVANCED PAINTING** **3 hours; 3 credits**
An advanced exploratory studio and lecture course designed to intensify painting in oil, acrylic, watercolor, tempera, and collage, coupled with analysis of historical and contemporary works. Lectures and discussion will deal with African, contemporary, and community art; papers and museum trips are an integral part of the course.
- ART 251—ADVANCED DESIGN*** **3 hours; 3 credits**
Continued exploration of design techniques with the emphasis on 3-dimensional design.
- ART 301—GRAPHICS** **4 hours; 3 credits**
An introductory studio course in the techniques of print-making. Linoleum cut, woodcut and etching are presented in relation to design, meaning of print, as well as how the student can employ these skills in book illustration and other related areas.

*Pending approval by the Board of Higher Education

ART 303—ADVANCED CERAMICS**3 hours; 3 credits**

Continued exploration in the ceramic arts. Slip casting and pottery wheel techniques are included.

ART 307—ADVANCED PAINTING***3 hours; 3 credits**

An advanced exploratory studio and lecture course to intensify painting in oil, acrylic, watercolor, wash. Lectures and discussion deals with contemporary Black art and community art. Gallery and museum trips are an integral part of the course.

ART 401—ADVANCED GRAPHICS***3 hours; 3 credits**

Further development of printmaking skills, to include introduction of the stencil (silk screen process). Refinement of problems in regard to etching including aquatint, collage, embossment and development of color printing. Color relief process also explored in linocut and wood-cut.

ART 407—SPECIAL PROJECTS: PAINTING***4 hours; 4 credits**

Study in depth of specific concepts and processes in painting techniques. Includes development of perceptual expansion and imagery based on life study, as well as continued exploration of media, process and concept in relation to individual vision and expression. Lecture, discussion, field trips are an integral part of this course.

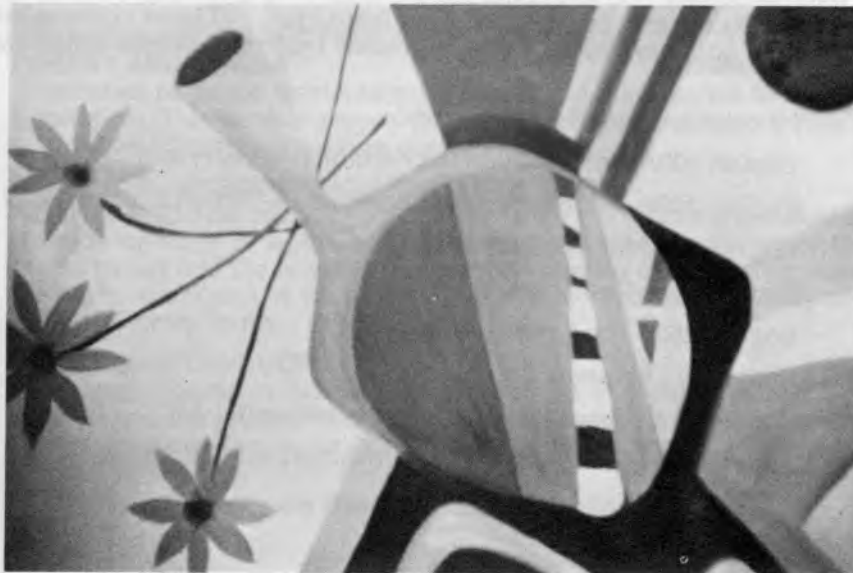
ART 408—ADVERTISING GRAPHICS DESIGN***3 hours; 3 credits**

Basic concepts and principles relating to graphic formulation and symbolism for visual communication. Studio equipment, techniques and procedure from layouts to mechanicals are covered. Some focus on typographic and graphic systems.

ART 420—FASHION ART***3 hours; 3 credits**

The principles and procedures of fashion and accessory illustration including an exploration of materials and presentation techniques. Some aspects of apparel design are covered in this course.

*Pending approval by the Board of Higher Education



ENGLISH

Students concentrating in English must earn at least 30 credits in English courses over their four years, 9 of these credits in required courses and the remaining 21 credits chosen from a list of electives. Students who plan to enter graduate school majoring in English, should aim for a broad background in their selection of courses.

COURSES REQUIRED FOR THE ENGLISH MAJOR

English 215—Survey of British Literature I	3 credits
English 216—Survey of British Literature II	3 credits
English 223—Survey of American Literature I	3 credits

No writing course is required beyond the successful completion of English I and II. However, English 202 is recommended for English majors who seek improvement of their writing skills.

Although not required, English 103A and 103B are recommended as freshman or sophomore level introductions to types of literature and analytical skills studies in more advanced courses.

OTHER REQUIRED COURSES

Foreign Language—at least 6 credits in the same language or the equivalent by examination. Students planning to do graduate work in English are advised to gain a reading knowledge of French or German. For teaching in New York City, a reading knowledge of Spanish would be helpful but is not required.

Speech 101 or 201

Humanities I and II

GROUPING OF ELECTIVE ENGLISH COURSES

It is highly recommended that students take at least one course from each grouping. 300 level courses are restricted to juniors and seniors, except by special permission of an instructor. 200 level courses are open to sophomores and well-prepared freshmen unless otherwise noted.

A. Introductory and Genre Courses

English 103A—Introduction to Literature I—Poetry and Drama

English 103B—Introduction to Literature II—Fiction and the Essay

English 106—Introduction to Drama

English 201—Contemporary Drama

English 202—The Craft of Writing

B. American Literature Courses

English 224—Survey of American Literature II

English 213—Folk Tradition in Afro-American Literature

English 219—Afro-American Literature I

English 220—Afro-American Literature II

C. Literature Other than English or American

English 209—Children's Literature

English 217—Readings in Contemporary World Literature

English 317—Literature of French-Speaking West Africa

D. Advanced or Specialized Writing

English 301/302—Creative Writing

Additional elective courses are planned as the College enrollment increases and as the number of English majors grows. In the meantime, students may take English courses at other branches of the City University and transfer credit to Medgar Evers College if advanced approval is given. In addition, students may choose Independent Study projects in some selected phases of English or American Literature, with the approval of the Humanities Division, for a maximum of 6 credit hours toward the 30 required for the English B.A. major. Independent study programs are restricted to second-semester juniors and to seniors.

COURSE DESCRIPTIONS

ENGL 100—COLLEGE ENGLISH I*

3 hours; 3 credits

Outlining and organization. Review of paragraph structure and sentence structure. Elements of style and clarity in principal rhetorical forms. Weekly papers.

ENGL 101—INTRODUCTION TO POETRY

3 hours; 3 credits

A survey course which introduces students to the world of poetry—techniques used by authors, meanings embodied in works, and skills required of readers who are interested in developing an understanding of and pleasure in the experience of poetry.

**ENGL 103A—INTRODUCTION TO LITERATURE—
POETRY AND DRAMA**

3 hours; 3 credits

Varieties of poetic form, literary periods and approaches to literary criticism. This is not a general knowledge course, but a prerequisite for more advanced literature courses.

**ENGL 103B—INTRODUCTION TO LITERATURE II—
FICTION AND THE ESSAY**

3 hours; 3 credits

Study of ways in which writers have developed the forms of the short story and the novel as well as the varieties of nonfiction essay writing. Emphasis is on developing skill in reading and analyzing these literary forms.

ENGL 106—INTRODUCTION TO DRAMA

A survey course in the form and technique of theatre. Analysis of plays and the study of theatre history with respect to the dramatic form as a creative force in literary experience and expression.

*Pending approval by the Board of Higher Education

- ENGL 150—COLLEGE ENGLISH II*** **3 hours; 3 credits**
 Organization and style in the paragraph, the critical essay, and the research paper. Techniques of library research, with a fully annotated research paper as a final project. Prerequisite: College English I.
- ENGL 200—BUSINESS WRITING** **3 hours; 3 credits**
 This course will offer business students the fundamentals of business writing: memoranda, commercial letters, research papers, etc., with an introduction to sales writing and preparation of advertising copy. Prerequisite: College English I and II.
- ENGL 201—CONTEMPORARY DRAMA** **3 hours; 3 credits**
 A general study of the structure and criticism of drama since World War II. Special emphasis is devoted to social issues and the emergence of Black authors and modern dramatic movements.
- ENGL 202—THE CRAFT OF WRITING** **3 hours; 3 credits**
 An exploration of modes of written communication: autobiography, formal and informal essays, and more advanced writing. Emphasis will be on the development of a personal writing style which reflects the student's view of the world.
- ENGL 203—INTRODUCTION TO JOURNALISM** **3 hours; 3 credits**
 An introduction to forms of journalistic writing—news story, feature story, editorial, critical review—and the development of skills necessary for newspaper writing.
- ENGL 204—ENGLISH FOR SECRETARIES*** **3 hours; 3 credits**
 A course in the structure, organization, stylistics, and format of the business letter and memorandum, with emphasis on the selection of appropriate techniques for varying purposes and audiences. Prerequisite: College English I and II.
- ENGL 209—CHILDREN'S LITERATURE** **3 hours; 3 credits**
 An interpretive and critical study of literature suitable for children in nursery schools, kindergartens, and elementary grades. Special attention is given to story-telling arts, along with promising practices in using literature in school groups.
- ENGL 213—THE FOLK TRADITION IN AFRO-AMERICAN LITERATURE** **3 hours; 3 credits**
 A survey of Afro-American folklore from its background in Africa to the present, with particular emphasis on folklore as a way of understanding Black life-styles, past and present, and the literary treatment of folk themes by Black writers in the 19th and 20th centuries. Special attention will be given to collecting folklore in Central Brooklyn.
- ENGL 215—SURVEY OF BRITISH LITERATURE I** **3 hours; 3 credits**
 Major British writers and literary movements from the earliest forms through the eighteenth century. Prerequisite: Engl 103 or an equivalent course (to be determined by an instructor within the Humanities Division).
- ENGL 216—SURVEY OF BRITISH LITERATURE II** **3 hours; 3 credits**
 Selected readings in English Literature from the beginning of the

*Pending approval by the Board of Higher Education

19th century to the present. Prerequisite: Engl 103 or permission of department.

**ENGL 217—READINGS IN CONTEMPORARY
WORLD LITERATURE**

3 hours; 3 credits

Required works will be readings from Biafra (Nigeria), Ghana, China, Spain, and Germany. Students will choose in addition, authors from two other countries to supplement the required texts with works of their own interest. Prerequisite: Engl 103 or an equivalent course (to be determined by an instructor within the Humanities Division).

ENGL 219—SURVEY OF AFRO-AMERICAN LITERATURE I

3 hours; 3 credits

A survey of Black American literature, oral and written, from the 17th century through the Harlem Renaissance of the 1920's. Prerequisite: Engl 103 or an equivalent course (to be determined by an instructor within the Humanities Division).

ENGL 220—SURVEY OF AFRO-AMERICAN LITERATURE II

3 hours; 3 credits

A survey of Black American literature, oral and written, from the Harlem Renaissance through the present. Prerequisite: Engl 103 or permission of the division.

ENGL 223—SURVEY OF AMERICAN LITERATURE I*

3 hours; 3 credits

A survey of American writers and literary movements from the colonial period and American independence through 1860. Special attention will be paid to such writers as Hawthorne, Poe, Melville, Emerson, and Thoreau. (Required of English B.A. majors.)

ENGL 224—READINGS IN 20th CENTURY LITERATURE

3 hours; 3 credits

A survey of major writers and literary movements, including Naturalism, the Harlem Renaissance, protest literature of the Depression, and highlights of later decades. Features both group and independent study. Prerequisite: Engl 103 or permission of the division.

ENGL 301—CREATIVE WRITING I

3 hours; 3 credits

A course for students who are interested in developing their creative talents. Area (poetry, fiction, essay) to be determined by instructor.

ENGL 302—CREATIVE WRITING II

3 hours; 3 credits

Continuation of Creative Writing I.

**ENGL 317—LITERATURE OF FRENCH SPEAKING
WEST AFRICA**

3 hours; 3 credits

Particular attention will be paid to the works of Leopold Sedar Senghor, the poet-President of Senegal, and to the Guinean writer Camara Laye. The writings of Cheikh Anta Diop, Mongo Beti, and others will be examined with an eye to understanding their interpretations of the cultural, social, political, and economic realities of the continent. A knowledge of French is not a prerequisite, although useful. This course will be offered in English.

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ETHNIC STUDIES

Concentration in Ethnic Cultural Studies requires 30 credits, at least 18 of which must be taken in the Humanities (Art, Music, and Literature), plus an additional 12 credits in related Social Science courses.

The Division of Humanities recommends that students in this area specialize in Black or Hispanic Studies and take the majority of their ethnic courses in a single cultural area.

Required Courses

Ethnic Studies 300—Black Philosophy	3 credits
Ethnic Studies 401—Seminar in Ethnic Studies	3 credits
Ethnic Studies 402—Seminar in Ethnic Studies	3 credits
Humanities Electives (at least one course from each of the following categories):	

- A. Music 201, 202, 204, 206
- B. Humanities 263, 273
- C. Art 107
- D. English 213, 219, 220
- E. Spanish 301, 308

COURSE DESCRIPTIONS

ETHN 300—BLACK PHILOSOPHY*

3 hours; 3 credits

Philosophical investigation of major Black cultural entities such as Voodooism, Animism, Black Christianity, and Black Islam. Strong emphasis will be placed on the problems arising from the imposition of a foreign aesthetic placed upon a subjugated people. Guest speakers, field trips.

ETHN 401—ETHNIC STUDIES SEMINAR I*

3 hours; 3 credits

Research seminar in Ethnic Studies. Primary and secondary research methods. Use of resource people. Outlining and presenting the research project. Preparing the research paper. A Bachelors project using primary sources is required of all Ethnic Studies majors.

ETHN 402—ETHNIC STUDIES SEMINAR II*

3 hours; 3 credits

Continuation of ETHN 401.

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HUMANITIES COURSE DESCRIPTIONS

HUM 1—INTRODUCTION TO HUMANITIES I* 4 hours; 4 credits

A study of selected literary and philosophical concepts that have contributed to our present beliefs and aesthetics. Special emphasis to be placed upon third world influences on world culture, using supplementary music and art materials as illustrative examples. Guest lecturers and field trips where appropriate.

HUM 2—INTRODUCTION TO HUMANITIES II* 4 hours; 4 credits

A study of selected musical and artistic concepts that have contributed to our present beliefs and aesthetics. Special emphasis to be placed upon third world influences on world culture, using supplementary literary materials as illustrative examples. Guest lecturers and field trips where appropriate.

HUM 263—AFRICAN MUSIC AND ART 4 hours; 4 credits

A survey of African plastic and auditory indigenous arts south of the Sahara, with particular attention to the interrelationships of the arts with various aspects of the culture. The effects of acculturation and tribal integration on contemporary art forms will also be discussed. Laboratory experiences in the arts will be an integral part of the course.

HUM 268—SURVEY OF SELECTED EASTERN PHILOSOPHIES 3 hours; 3 credits

Exploration of major cultural, social, political and philosophical movements in China, Korea and Japan. Cultural precepts will be contrasted with counterparts in Western Civilization. Zen Buddhism and the political philosophy of Mao-Tse-Tung will also be studied. Guest lecturers where applicable.

HUM 273—BLACK CREATIVE ARTS 4 hours; 4 credits

An examination of the creative impulse as experienced and expressed by the African descendants in the new world with particular reference to the United States. Creative experiences in the arts—music, dance, art and literature—are integral parts of the course.

*Pending approval by the Board of Higher Education

LANGUAGES**FRENCH****COURSE DESCRIPTIONS****FR 101—BEGINNING FRENCH I****3 hours; 3 credits**

An introduction to the French language as a medium of communication. Will focus on the oral use of the language with work also in written drills, grammar, and composition.

FR 102—BEGINNING FRENCH II**3 hours; 3 credits**

A continuation of the materials covered in course 101. Prerequisite: French 101 or its equivalent or permission of instructor.

FR 201—INTERMEDIATE FRENCH I***3 hours; 3 credits**

Rapid review of grammatical structures. Selected readings of modern texts. Prerequisite: French 102 or two years of High School French.

FR 202—INTERMEDIATE FRENCH II***3 hours; 3 credits**

Continuation of French 201. Emphasis on analysis, discussion, and composition based on the reading of selected modern texts as an introduction to specialized literature courses. Prerequisite: French 201 or 3 years of High School French.

SPANISH

30 credits are required for all students:

SPN 206/207—Introduction to Hispanic Literature	6 credits
SPN 310/311—Introduction to Spanish-American Literature	6 credits
SPN 315—Hispanic Civilization	3 credits
SPN 331—Advanced Grammar and Composition	3 credits
SPN 402—Don Quixote	3 credits
The following Honors courses are recommended for students with at least a B average in Spanish.	
SPN 410—Senior Seminar	3 credits
SPN 450—Independent Study	1-5 credits

COURSE DESCRIPTIONS**SPN 101—BEGINNING SPANISH I****3 hours; 3 credits**

Study of pronunciation and the basic patterns of the language. A conversational approach will be used. Utilization of the language laboratory will be an integral part of the course.

SPN 102—BEGINNING SPANISH II**3 hours; 3 credits**

Continuation of Spanish 101. Written materials will be introduced. Prerequisite: Spanish 101 or 1 year of high school Spanish.

*Pending approval by the Board of Higher Education

SPN 201—INTERMEDIATE SPANISH I 3 hours; 3 credits
Rapid review of grammatical structures. Selected readings of modern texts. Prerequisite: Spanish 102 or 2 years of high school Spanish.

SPN 202—INTERMEDIATE SPANISH II 3 hours; 3 credits
Continuation of Spanish 201. Emphasis will be on analysis, discussion and composition based on the reading of selected modern texts as an introduction to specialized literature course. Prerequisite: Spanish 201 or 3 years of high school Spanish.

SPN 203—SPANISH FOR NATIVE SPEAKERS I 3 hours; 3 credits
A review of pronunciation, spelling and selected aspects of the grammar that present special difficulties to the native speaker. This course is designed for students who have a good command of the spoken language but little or no formal instruction. Prerequisite: by permission of the instructor.

SPN 204—SPANISH FOR NATIVE SPEAKERS II 3 hours; 3 credits
Continuation of Spanish 203. Study of grammatical structures and composition through the reading and analysis of literary texts. Special attention will be given to vocabulary building and the study of anglicisms.

SPN 206—INTRODUCTION TO HISPANIC LITERATURE I 3 hours; 3 credits
This course will explore the origins of Hispanic literature. Literary forms and movements, collective attitudes and creative approaches will be discussed in order to arrive at the bases for Spanish and Spanish-American literature and culture. Representative works will be read, analyzed and discussed. The course will be conducted entirely in Spanish. Required for more advanced literature courses. Prerequisite: Spanish 202 or permission of the instructor.

SPN 207—INTRODUCTION TO HISPANIC LITERATURE II 3 hours; 3 credits
Continuation of Spanish 206. Emphasis will be on reading, analysis and discussion of representative modern works. Prerequisite: Spanish 206 or by permission of the instructor.

SPN 211—INTERMEDIATE CONVERSATION 3 hours; 3 credits
For students who wish additional practice in conversation. Systematic development of comprehension, review of pronunciation and vocabulary building on subjects of students' choice. Prerequisite: at least one year of college Spanish or 2 years of high school Spanish.

SPN 215—COMMERCIAL SPANISH 3 hours; 3 credits
This course is designed for students who are specializing in the secretarial sciences, business or students who wish to familiarize themselves with business terminology in Spanish. Students will learn how to translate and compose business letters and other commercial documents in Spanish. Prerequisite: at least 2 years of Spanish or by permission of the instructor.

SPN 301—CONTEMPORARY LITERATURE OF THE HISPANIC CARIBBEAN

3 hours; 3 credits

Reading, analysis and discussion in Spanish or representative works by contemporary writers from the Caribbean area. Prerequisite: Spanish 202 or by permission of the instructor.

SPN 308—PUERTO RICAN LITERATURE

3 hours; 3 credits

Reading, analysis and discussion of representative works of Puerto Rican literature. This course will provide the student with a basic orientation in Puerto Rican literature and culture. Prerequisite: Spanish 202 or by permission of the instructor.

SPN 310—INTRODUCTION TO SPANISH-AMERICAN LITERATURE I

3 hours; 3 credits

Reading, analysis and discussion of representative works of the colonial period and the 19th century. Prerequisite: Spanish 202 or by permission of instructor.

SPN 311—INTRODUCTION TO SPANISH-AMERICAN LITERATURE II*

3 hours; 3 credits

A study of representative authors of the Modernist Movement and of major trends in the 20th century. This course is a continuation of Spanish 310. Prerequisite: Spanish 202 or by permission of instructor.

SPN 315—HISPANIC CIVILIZATION*

3 hours; 3 credits

A comprehensive survey of Iberian and Hispanic American culture and institutions. Hispanic contributions to the world of literature, music, fine arts. Prerequisite: Spanish 206/207, Spanish 310/311, or by permission of the instructor.

SPN 317—THEATER OF THE GOLDEN AGE*

3 hours; 3 credits

Reading, discussion and analysis of outstanding plays of the 16th and 17th century Spanish theatre. Prerequisite: Spanish 206 or by permission of instructor.

SPN 319—GENERATION OF 1898*

3 hours; 3 credits

Reading, analysis and discussion of representative works of Gali-vet, Unamuno, Valle Inclan, Pao Baroja, Ayala, Miro and Ortega Y Gasset. Prerequisite: Spanish 202 or by permission of the instructor.

SPN 321—CONTEMPORARY SPANISH LITERATURE*

3 hours; 3 credits

A study of drama, novel, essay, and poetry of 20th century Spanish Literature. Prerequisite: Spanish 202 or by permission of the instructor.

SPN 323—CONTEMPORARY SPANISH-AMERICAN NOVEL*

3 credits

Reading, analysis, and discussion of the work of the new realism. Prerequisite: Spanish 311 or by permission of the instructor.

SPN 331—ADVANCED GRAMMAR AND COMPOSITION*

3 hours; 3 credits

Systematic review of grammar and a study of syntactical peculiarities of modern Spanish. Prerequisite: Spanish 202.

*Pending approval by the Board of Higher Education

SPN 402—DON QUIXOTE**3 hours; 3 credits**

Intensive study of the literary and social background of *Don Quixote*: structure, themes, style. Prerequisite: Spanish 206/207 or by permission of instructor.

SPN 410—SENIOR SEMINAR***3 hours; 3 credits**

Reading discussion and reports on the important aspects of the development of Hispanic Literature. By permission of the instructor only.

SPN 450—INDEPENDENT STUDY***Hours by appointment; 1 to 5 credits**

Completion of special project under the supervision of the instructor. By permission of the instructor only.

SWAHILI COURSE DESCRIPTIONS

SWA 101—BEGINNING SWAHILI I**3 hours; 3 credits**

Basic grammar, written communications, and conversation.

SWA 102—BEGINNING SWAHILI II**3 hours; 3 credits**

A continuation of Swahili 101. Further practice in conversation; emphasis on conversational skills and comprehension; some reading of texts.

MASS COMMUNICATIONS

For students seeking careers in television, radio, film, or in supporting or related fields.

Requirements outside concentration:

Three courses (9 credits) from the 3 groups listed below:

- A. Oral Interpretation, Acting, or Voice and Diction.
- B. Group Discussion or Community Organization.
- C. Psychology of Oppression, or U.S. in the 20th Century.

D. Typing I or proven ability to type 40 wpm is required of all Mass Communications majors.

Required courses within concentration:

Media 180—TV & Radio. An Introduction

Media 284—Science in Communications

Media 301—Television Production

Media 361—Film Production (TV) or

Media 341—Radio Production

*Pending approval by the Board of Higher Education

Electives: 18 credits from among the courses described below:

MEDIA COURSE DESCRIPTIONS

MED 160—INTRODUCTION TO FILM*

3 hours; 3 credits

A basic course which seeks to relate the history, theory and aesthetics of the film medium to the sociological, economic, political and psychological needs and consciousness of the community. A sensory approach to the cinema combined with an awareness of the potential for film productions and criticism will be utilized in the analysis of numerous short films and features. Where appropriate, guest lecturers will be utilized.

MED 161—PHOTOGRAPHY WORKSHOP*

3 hours; 3 credits

A workshop designed to teach photography as an art and as a science, divided into three sections (beginners, intermediate, advanced). Emphasis will be placed on the use of photography in TV, newspapers and magazines. The works of noted photographers will be examined, and students will be encouraged to do extensive work in the community. Dark room and photographic lighting techniques will be covered. Permission required.

MED 180—TV AND RADIO: AN INTRODUCTION*

3 hours; 3 credits

Lecture demonstration on the basics of TV and radio: introduction to the development systems of broadcasting on society, economic aspects and functions of stations and networks, program and personnel organization, and the physical bases of broadcasting. Students will observe TV and radio stations in operation.

MED 284—SCIENCE IN COMMUNICATION*

3 hours; 3 credits

A technical course with lecture demonstrations designed to give students a basic understanding of the science involved in radio, TV and film. This course will include field trips to labs, factories, and repair shops that develop, produce, and maintain media equipment, as well as trips to the operational sections of studios and transmitters.

MED 290—FOUNDATIONS OF BROADCASTING*

3 hours; 3 credits

A history of the development and organization of stations and networks, with a comprehensive study of the laws and codes regulating broadcasting. The role, organization, and power of all regulatory organizations and qualifying agencies will be explored; pending legislation will be examined.

MED 291—HISTORY OF MEDIA: A COMPARATIVE ANALYSIS*

3 hours; 3 credits

A study of the history of radio, TV, film in the U.S. and selected countries abroad. Critical comparison will be made of various control systems and programming approaches with regard to their contribution and influences.

MED 292—WORKSHOP IN MEDIA WRITING I*

3 hours; 3 credits

Students will develop their skills in writing scripts for radio, TV and film. They will gain experience in scripted shows using the College facilities.

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MED 294—MEDIA AND MINORITIES: AN ANALYSIS***3 hours; 3 credits**

An analysis of the presentation and treatment of minority groups by the various media. Humorous film, television and radio productions will be evaluated in terms of their relationship to the African-American, Puerto Rican, Indian, Chicano, and other minority groups. Various alternatives concerning the control and content of the media will be discussed with intent to develop a viable means for alleviating the stereotyping, ethnocentrism, and prejudice which have characterized traditional mass presentations of minority values, norms.

MED 301—TV PRODUCTION***3 hours; 3 credits**

Students will be given lecture demonstrations and practical studio experiences in the various aspects of TV production. They will participate in projects that focus on skills, script writing, camera operations, set building, lighting, selecting and building scenery, and sound effects. Prerequisite: Media 180, 284 and 290.

MED 302—ADVANCED TV PRODUCTIONS***3 hours; 3 credits**

Continued experiences in TV production using more sophisticated equipment and techniques, involvement in independent research, experimental productions, and supervision. Less experienced students may serve as crew for major productions. Prerequisite: Media 301 and 361.

MED 341—RADIO PRODUCTION I***3 hours; 3 credits**

A lecture-demonstration-studio course. The function of equipment, microphone techniques, research techniques, script writing, talent selection, contracts, copyright procedure, sound effects, basic acting, program continuity: all the basic steps necessary to get different types of programs on the air. Prerequisite: Media 180 and 284.

MED 342—ADVANCED RADIO PRODUCTION I***3 hours; 3 credits**

A continuation of Radio Production I. Students learn to develop more complicated scripts (including drama) and production techniques. Each student is required to produce at least one sample air-ready show for consideration by a station. Participation in community radio stations will be encouraged. Prerequisite: Media 341.

MED 361—FILM PRODUCTION***5 hours; 4 credits**

A course in the production of both super 8 mm and 16 mm, black and white, silent and magnetic sound film production. The course will focus upon the technology of the camera and the skills required for the writing, lighting, filming, and editing of "community based" and other independent film productions. Lecture-demonstrations, supplemented by guest lecturers with a concrete grasp of those skills necessary for successful film expression. Prerequisite: Media 160.

MED 362—ADVANCED FILM PRODUCTION***3 hours; 3 credits**

An intensive course in the production of black and white and color—sound-synchronous film which will make use of sophisticated camera, lighting, and editing techniques. The course will require the student to engage in a number of roles (writer, director, editor,

*Pending approval by the Board of Higher Education

etc.) with the intent of producing the well-rounded film technician and artist. Students will work in both a cooperative and independent atmosphere, culminating in the production of their own film. Prerequisite: Media 361.

MED 380—RADIO AND TELEVISION PROGRAMMING*

3 hours; 3 credits

The organization of the program departments of radio and television stations. Students will critically evaluate program format, content, ratings, presentation, and slotting. Students receive practical experience at the College's stations and at local stations. A project in programming is required from each student. Suggestions, based upon research, will be made for more relevant programming for Central Brooklyn and similar communities. Prerequisite: Media 341, 302, and 342.

MED 403—TV DIRECTING*

3 hours; 3 credits

A course to teach development of basic skills in TV directing techniques: the use of equipment and communication through classroom and studio experience, the role of director as interpreter and coordinator of various types of productions. The course requires completion of a directing project. Prerequisite: Media 302.

MED 461—FILM DIRECTING*

3 hours; 3 credits

A comprehensive course in the numerous skills, styles, techniques and other requirements of competent and skillful film direction. Students will concern themselves with such areas as: a) the directing of actors before the camera, b) the manipulation of objects, space, and time, c) the potential and limitations of the film medium and its technology, d) the relationship of the environment to the medium, e) the creating of tempo, rhythm and mood, f) the relationship of the director to the screenwriter, cameraman, actors, editor, and other artists and technicians. Numerous directorial production problems will be posed for solution by students and personal styles of other directions of merit will be analyzed and evaluated. Prerequisite: Media 361.

MED 481—TELEVISION AND RADIO MANAGEMENT*

3 hours; 3 credits

A lecture-demonstration course in which the roles of TV and radio station management from the industry will be discussed with guest lecturers. Special emphasis will be placed on the relationship of management to program policies, government, employees, and citizens. Special consideration will be given to problems concerning placement of more minority group members in management. Prerequisite: Media 302 and 342.

MED 490—MEDIA PRACTICUM*

3 hours; 3 credits

A course involving the practical aspects of Radio, Television, Film and Print Journalism, wherein projects concerning a particular medium become the work of the students in their specific area of interest. Students may be assigned to radio/television studios, film

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production studios, or publications companies, for practical "on the spot" observation or for work experience where permitted. In addition, students may develop their own publications and participate in the operations of school or local community publications. Prerequisite: Media 302 and 342.

MED 492—MEDIA ENTERPRISES*

3 hours; 3 credits

An experimental course designed to familiarize majors with different enterprises in which media talent and expertise can be meaningfully employed. Representatives from media and related industry will participate. Prerequisite: Media 302 and 342.

MED 500—INDEPENDENT STUDIES IN MEDIA*

3 hours; 3 credits

A research or scholarly evaluation of a particular aspect of the media under the advisement and guidance of a faculty member who will work closely with the student on the project throughout its development and completion. Permission required.

MUSIC

Students in this program will receive training in both the European and African traditions to promote understanding and development of the Black and Hispanic music traditions, as well as to equip potential teachers of music with the skills necessary to respond to the musical background of inner-city children.

Students wishing to specialize in music will be interviewed by the Music faculty during their first year in the College to ascertain whether they have the prerequisites for the program.

The required courses are as follows (course numbers in the list below refer to courses in the Music program):

220—Survey of World Music	3 credits
221—European Music	3 credits
222—Music Literature	2 credits
241—Music Materials I	4 credits
242—Music Materials II	4 credits
320—African Musical Traditions	3 credits
331—Performance I	1 credit
332—Performance II	1 credit
341—Music Materials III	4 credits
431—Performance III	1 credit
432—Performance IV	1 credit
440—Organizing and Conducting Community Organizations	2 credits

Total 29 credits

Music majors are required to participate in one of the performing groups for the duration of their stay in the College, without additional credits.

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COURSE DESCRIPTIONS

- MUS 101—INTRODUCTION TO MUSIC** **3 hours; 3 credits**
 Designed to introduce the art of music through analysis of various works in the Western classical musical literature.
- MUS 103—RUDIMENTS OF MUSIC** **3 hours; 3 credits**
 A piano performance course which utilizes the keyboard as a vehicle for studying the fundamentals of music. Notation, rhythm, scales, keys, interval formation, triads, ear-training and dictation are used as basic rudiments.
- MUS 111—COLLEGE BAND** **2 hours; 1 credit**
 (May be repeated) The exploration, study, and performance of musical literature written for band.
- MUS 113—COLLEGE ORCHESTRA** **2 hours; 1 credit**
 (May be repeated) Exploration, study and performance of orchestral musical literature.
- MUS 201—AFRO-AMERICAN MUSIC** **3 hours ; 3 credits**
 Survey of Afro-American music from its background in Africa to the present, with special emphasis on interrelationship of music and culture and the evolution of protest in music.
- MUS 202—LATIN AMERICAN MUSIC*** **3 hours; 3 credits**
 A survey of the musical styles of the people of Latin America with particular reference to the blending which is the result of the confrontation between the African, Southern European and Indian music. Research projects under independent study are a co-requisite of this course.
- MUS 204—HISTORY AND LITERATURE OF JAZZ** **3 hours; 3 credits**
 Critical examination of the history and literature of jazz from its roots in the folksongs of Black Americans to the present time. Particular attention paid to sociological background of the music, and the experiences of musicians (their life styles and the ensuing effects on musical styles). Special attention will be given to the influence of classical music on jazz and vice versa, with the resulting borrowings.
- MUS 206—THIRD WORLD FOLK MUSIC** **3 hours; 3 credits**
 Analysis of traditional folk music of the non-Western cultures in Africa, the Orient, and Latin America. Analysis of religious music, folk polyphony, ballads, blues, protest music, and children's songs in terms of social content and musical styles; historical, sociological, and cultural forces that shaped this music will be viewed.
- MUS 207—MUSIC FOR TEACHERS I** **3 hours; 3 credits**
 Introductory laboratory course in the fundamentals of music designed to equip prospective elementary school teachers with the skills needed to function effectively. Students teaching in selected schools along with participation in ensembles of pre-band and accompanying instruments—autoharp, recorder, Orff instruments—form integral parts of the course.

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- MUS 208—MUSIC FOR TEACHERS II** **3 hours; 3 credits**
 Designed to acquaint prospective elementary school teachers with literature and materials appropriate for children. Transcription of simple melodies, methods of instruction, and student teaching form an integral part of the course.
- MUS 210/211—INTERMEDIATE PIANO I** **2 hours; 2 credits**
 Class lessons in small homogeneous groups on piano. Transposition, rudimentary keyboard harmony, and ensemble will be integral parts of the course.
- MUS 212—SONG WRITING*** **3 hours; 3 credits**
 A class in elementary harmony designed for the general student. The emphasis will be on notation and harmonizing melodies using piano, or guitar accompaniment.
- MUS 214—JAZZ WORKSHOP** **3 hours; 3 credits**
 A course designed for students with previous instrumental experience. Students will be introduced to the stylistic devices used in Jazz after 1940. Prereq: permission of the instructor.
- MUS 215—ENSEMBLE*** **2 hours; 2 credits**
 A study of music for small, intermediate vocal and instrumental groups through rehearsal and performance of works in various styles. Permission of instructor required for enrollment.
- MUS 217—ELEMENTARY BAND INSTRUMENTS** **3 hours, 3 credits**
 A performance course using music for homogeneous instruments. Materials used will be selected in accordance with the interests and ability of the students.
- MUS 220—MUSIC HISTORY I: SURVEY OF WORLD MUSIC*** **3 hours; 3 credits**
 A chronological overview of the musical heritage of western and selected non-western societies. Emphasis will be placed on the cultural and social setting and in the role of music in the experiences and lives of the world's peoples. Students are expected to become familiar with basic reference works of music.
- MUS 221—MUSIC HISTORY II: EUROPEAN MUSIC TRADITION*** **3 hours; 3 credits**
 An examination of music history in the western tradition and the related development of vocal and instrumental style and form extending from antiquity to the present day. Students are expected to become familiar with basic reference works of music. Prerequisite: Music 220.
- MUS 222—MUSIC LITERATURE*** **2 hours; 2 credits**
 A course designed to provide the student with a thorough knowledge of selected instrumental and vocal literature of European music. Works of differing periods and styles will be included; however, one era may be selected for particular emphasis each time the course is presented.

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- MUS 231—PRIVATE LESSONS I*** **1 hour; 1 credit**
Intermediate performance in voice or an instrument. One hour per week of individual instruction and a weekly workshop to examine editors, discuss research on music assigned for lessons, analysis of texts, etc. Permission of instructor required for enrollment.
- MUS 232—PRIVATE LESSONS II*** **1 hour; 1 credit**
Continuation of Private Lessons I.
- MUS 241—MUSIC MATERIALS I** **4 hours; 4 credits**
Harmonization of melodies using fundamental triads and their inversions. Introduction of the dominant seventh chord. Writing in piano style. Original exercises. Parallel sight singing and dictation.
- MUS 242—MUSIC MATERIALS II*** **4 hours; 4 credits**
Continuation of Music Materials I. Four part harmony and piano style writing secondary sevenths and inversions and figures bass. Analysis of folk, jazz and classical examples is an integral part of the course. Parallel ear training. Prerequisite: Music 241.
- MUS 301—ENSEMBLE*** **2 hours; 2 credits**
Chamber ensembles such as the string quartet, wind quintet, solo vocal ensemble, piano cue, instrumental sonatas, the percussion ensemble and mixed groupings. Permission of instructor required for enrollment.
- MUS 320—AFRICAN MUSICAL TRADITIONS*** **3 hours; 3 credits**
A survey of African tribal music. Analysis of literature from the oral music to the African derived music of Modern Africa. Creative experiences in various African styles. All students are required to demonstrate their skill on an African master instrument: talking drum, moge, or xylophone.
- MUS 321—SYNTHESIS*** **3 hours; 3 credits**
Discussion of the theory of synthesis as it applies to the contracts between African and European music. Guest lectures from prominent scholars and performers of African influenced music. Research in depth under independent study is a co-requisite.
- MUS 323—LECTURE TOPICS (MUSIC SEMINAR)*** **3 hours; 3 credits**
Lecture topic to be chosen each time a course is offered. Subject to be announced in advance will depend upon the needs of the students. Intensive study of such topics as the following is possible:
Twentieth Century Music
Style Criticism
Jazz
Electronic Music
Music in the United States
- MUS 324—COMPARATIVE FOLK MUSIC I*** **3 hours; 3 credits**
Survey of the history, methods and theories of ethnomusicology. Some experience in guided field-work projects.

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MUS 325—COMPARATIVE FOLK MUSIC II* **3 hours; 3 credits**

Study of the music in selected non-Western and folk cultures with attention given to the following: the historical, social, and cultural context; the musical instruments; the genres; the different ways of approaching music; the different sets of values or modes of thought. Experience in listening to and singing relevant musical examples.

MUS 331—PERFORMANCE I* **2 hours; 1 credit**

Intermediate and advanced performance in voice or instrument. One hour per week of individual instruction and a weekly class in literature and repertory studies. Permission of instructor required for enrollment.

MUS 332—PERFORMANCE II* **2 hours; 1 credit**

Continuation of Performance I.

MUS 334—IMPROVISATION I* **2 hours; 2 credits**

Study of the stylistic approaches to Jazz improvisation used by representative jazz performers. Analysis of the harmonic, melodic and rhythmic structure of representative jazz compositions.

MUS 335—IMPROVISATION II* **2 hours; 2 credits**

Continuation of Improvisation I.

MUS 341—MUSIC MATERIALS III* **4 hours; 4 credits**

Four part writing using chromatic harmony; non-harmonic tones, secondary dominants, modulation, borrowed chords and altered chords. Examples from Jazz, folk music and classical music are analyzed. Piano style writing, 4 part writing, and simple arranging for small groups. Parallel ear training. Prerequisite: Music 242.

MUS 342—MUSIC MATERIALS IV* **4 hours; 4 credits**

Continuation of Music Materials III. The emphasis in this course is on creative writing using chromatic harmony. Parallel ear training. Prerequisite: Music 341.

MUS 343—JAZZ HARMONY* **4 hours; 4 credits**

Analysis of Jazz harmonic styles. Composing new lines for existing compositions. Composing Jazz oriented compositions. Arranging for small groups and dance band. Utilization of 20th century harmony. Neo Baroque Jazz.

MUS 344—COUNTERPOINT* **4 hours; 4 credits**

16th and 18th century counterpoint; the invention, the suite.

MUS 400—BLACK MUSIC IN EDUCATION* **4 credits**

An examination of Black music styles. Black music in the total curriculum for enrichment of other subjects. Organization for performance to include total participation. Lesson planning, use of audio visual aids. Survey of Black music literature.

MUS 431—PERFORMANCE III: BLACK MUSIC STYLES* **2 hours; 1 credit**

Exploration of techniques of improvisation in Black music, including accompanying, gospel singers, jazz groups and singers.

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MUS 432—PERFORMANCE IV: RECITAL SEMINAR***2 hours; 1 credit**

Advanced performance in voice or an instrument. One hour per week of individual instruction and a weekly seminar to include informal solos, relevant analysis of style, discussion of performance practice and style history and experience in music criticism. When permissible, demonstration recitals will be included. Permission of instructor required for enrollment.

MUS 440—ORGANIZING AND CONDUCTING COMMUNITY ORGANIZATIONS***2 hours; 2 credits**

Organizing the community performing group. Effective recruitment procedures, fund raising, and community participation. Arranging music for specific groups. Community performing group leaders will act as resource people and lecturers. Trips to community oriented performances are included in this course.

MUS 500—INDEPENDENT STUDY***1 to 4 credits**

In depth study in music under the guidance of a staff member leading to a project, a major essay or a composition. Proposal must be approved by the instructor and the department chairman. Weekly conferences with instructor required. Hours to be arranged.

PHILOSOPHY**COURSE DESCRIPTIONS****PHIL 101—INTRODUCTION TO LOGIC*****3 hours; 3 credits**

An introduction to the theory and practice of deductive and inductive reasoning. Propositions and their connectives: "and," "or," "not," and "implies." Logical diagrams, "truth tables," and rules for valid inference will also be discussed, and sets in "new mathematics" will be introduced. This course offers a foundation for pre-calculus mathematics, social science research, and argumentative writing.

PHIL 102—INTRODUCTION TO ETHICAL THEORY* 3 hours; 3 credits

The distinction between duties to one's self and duties to others; its justification and implications will be a focal point of the course. Metaethical questions such as "why should I be moral?" and "is ethical discourse based on the naturalistic fallacy?" will be discussed as well.

PHIL 103—INTRODUCTION TO METAPHYSICS AND EPISTEMOLOGY***3 hours; 3 credits**

The fundamental philosophical problems in epistemology and metaphysics will be discussed. Classical theories such as phenomenalism, critical realism, German idealism and materialism will be discussed.

PHIL 104—SURVEY OF WESTERN PHILOSOPHY* 3 hours; 3 credits

In this survey of Western philosophic thought, the theories of Plato, Aristotle, DesCartes, Hume, Barkeley, Bursell, Sartre and Wittgenstein will be discussed. The central trends and themes of Western philosophy provide the focus of the course.

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PHIL 201—POLITICAL PHILOSOPHY* **3 hours; 3 credits**

A philosophical investigation of the social contract theory and discussion of philosophical basis of three types of political structures: socialism, anarchism and capitalism. Prerequisite: Permission of the instructor.

PHIL 202—INTRODUCTION TO THE PHILOSOPHY OF SCIENCE* **3 hours; 3 credits**

The scientific method and its philosophical rationale: instrumentalism and pragmatism, Charles Pierce, John Dewey, William James and Rudolf Carnap are philosophers whose works will be read.

PHIL 203—HISTORY OF PHILOSOPHY: ANCIENT* **3 hours; 3 credits**

This course deals principally with the philosophy of Plato and Aristotle. Classical philosophical issues such as the one-many problem, the nature of knowledge and belief and the nature of being constitute the focus of the course.

PHIL 204—AESTHETICS* **3 hours; 3 credits**

The nature of narrative judgments provides the focus of this course and the question, "What is a good work of art?" provides the context for discussion. Principal aesthetic theories will be discussed: special attention will be paid to statements by artists and novelists about their works.

PHIL 301—SOCIAL AND POLITICAL MOVEMENTS IN AMERICA* **3 hours; 3 credits**

A discussion of the philosophical and ideological issues around which social and political movements evolve and the political impact of these movements. Readings will focus on such movements as the Chicano, Civil Rights, Student, and Black Liberation movements. Readings will include essays by Salazar, Savio, Malcolm X, Rustin, Fanon, Marcuse, St. Clair Drake, et al.

PHIL 302—HISTORY OF PHILOSOPHY: CONTEMPORARY* **3 hours; 3 credits**

Modern philosophy from its origin in the writings of the French philosopher Rene DesCartes. The work of David Hume and more recent discussions of problems in the theory of knowledge will also be canvassed.

PHIL 303—PHILOSOPHY OF EDUCATION* **3 hours; 3 credits**

The principal philosophies of education. Authors whose work will be discussed are: John Dewey, Israel Schaeffer and his students, Montessori and B. F. Skinner. Special emphasis will be placed on educational theory pertinent to inner-city youth.

PHIL 304—PHILOSOPHY OF SCIENCE* **3 hours; 3 credits**

A problems course of an advanced nature. Possible problems for discussions are: space and time, the nature of scientific theories, explanation in the physical sciences, explanation in the social sciences and other methodological considerations.

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PHIL 401—ADVANCED ETHICS***3 hours; 3 credits**

A problems course of an advanced nature: the basic types of ethical theory will not be discussed. Subject matter will change from semester to semester: Utilitarianism, perscriptivism and emptivism are examples of ethical theories that may be investigated, according to student interest.

PHIL 402—EPISTEMOLOGY***3 hours; 3 credits**

A problems course dealing with substantive issues in the area of the theory of knowledge. Issues for investigation include 1) is knowledge true or justified belief, 2) what is knowledge, 3) is the phenomenalism of David Hume a plausible theory, 4) can belief be explicated in terms of degree of continuation or inductive probabilities.

PHIL 403—METAPHYSICS***3 hours; 3 credits**

A problems course of an advanced nature. Possible issues which may be discussed include: 1) the one-many problem, 2) the nature and defensibility of metaphysics, 3) the philosophy of mind.

PHIL 404—SPECIAL TOPICS IN THE PHILOSOPHY OF SCIENCE***3 hours; 3 credits**

An advanced course in the area of the philosophy of science, conducted as a seminar. Students will choose an issue in the area of the philosophy of science, prepare a bibliography and present a paper to the class for discussion.

PHIL 405—PHILOSOPHY OF LAW***3 hours; 3 credits**

Theories of justice, with special attention given to the nature of legal reasoning and distinctions between law and ethics.

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SPEECH AND DRAMA COURSE DESCRIPTIONS

- SPCH 101—VOICE AND DICTION*** **3 hours; 3 credits**
A laboratory course in development and improvement of oral communication through participation in speech making, group discussions, and debates. Language laboratory utilized for diction improvement and negation of individual problems in vocal quality, volume, pronunciation, and accent.
- SPCH 201—FUNDAMENTALS OF SPEECH** **3 hours; 3 credits**
A workshop course designed to emphasize the basic skills in oral communication. Students review the speech mechanism and are introduced to the basic speech sounds. An analysis of the elements of speeches by Frederick Douglas, Marcus Garvey, Dr. Martin Luther King Jr., and other such famous personages. Students are expected to prepare speeches and other oral presentations during the term.
- SPCH 205—INTRODUCTION TO THEATRE*** **3 hours; 3 credits**
A course designed to acquaint the student with the elements of theatre and their related functions.
- SPCH 207—ACTING I*** **4 hours; 3 credits**
An introductory laboratory course designed to acquaint the student with various experiences in basic acting techniques and to equip him with skills needed to function competently on the stage.
- SPCH 208—ACTING II*** **4 hours; 3 credits**
Character development through scene study. A breakdown of scripts to study the intent of the playwright. Students will locate the problem of the play and discuss how each character relates to it. Each student will consider how he can best identify with his character as presented by the author.
- SPCH 215—PHONETICS*** **3 hours; 3 credits**
An analysis of English speech sounds and their variations.
- SPCH 217—CONCEPTS OF BODY MOVEMENT*** **3 hours; 3 credits**
The use of movement in preparing a character. The development of body awareness.
- SPCH 219—THE FUNDAMENTALS OF PUBLIC SPEAKING*** **3 hours; 3 credits**
Study and practice of the basic principles that underlie the preparation and delivery of speeches to persuade and to inform.
- SPCH 223—RHETORIC OF THE 1960's*** **3 hours; 3 credits**
An analysis of the ideas and rhetorical methods embodied in the speeches of men who influenced thought and behavior, in the 1960's.
- SPCH 225—THE BLACK WOMAN SPEAKS*** **3 hours; 3 credits**
Oral interpretation of the poetry of Gwendolyn Brooks, Margaret Walker, Sonia Sanchez, Mari Evans, Nikki Giovanni, and practice in analysis to determine imagery, thought, and mood.

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SPCH 229—WASHINGTON, DUBOIS, AND GARVEY***3 hours; 3 credits**

An analysis of the speeches and rhetorical methods of Booker T. Washington, W. E. DuBois, and Marcus Garvey.

SPCH 303—DIRECTING***3 hours; 3 credits**

The role of the director in play production. Consideration of his function as a guide to the actor in character development and play interpretation.

SPCH 311—CREATIVE DRAMATICS FOR THE CLASSROOM TEACHER***3 hours; 3 credits**

The use of informal dramatization in the classroom through storytelling, choral speaking and role playing.

SPCH 427—DISCUSSION***3 hours; 3 credits**

A study and practice of the principles contributory to effective panel and group discussion.

SPCH 500—MEDGAR EVERS COLLEGE PRODUCTION WORKSHOP**1 to 3 credits****hours by appointment**

Work with the college theatre company: scriptwriting, acting, lighting, direction and related activities.

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THE DIVISION OF NATURAL SCIENCES AND MATHEMATICS

The Division of Natural Sciences and Mathematics offerings are directed to the following main objectives:

A. To provide strong science-major programs in each of the areas of Chemistry, Physics, Biology and Mathematics. These programs are designed to provide adequate training for students to enter into related technical employment in government or industry, and to provide sufficient breadth to allow students to pursue graduate studies in the area of the undergraduate major or in an allied field. Student participation in research would be encouraged at early stages of the programs.

B. To provide a diversity of courses which will meet the varied needs and preparation of students in non-science areas.

The division offers two-year A.S. degree programs in Chemistry, Biology, and Mathematics. The approval of B.S. programs is currently pending. The four-year Biology program is expected to begin in September, 1974. The A.S. programs are generally comprised of the first two years of the four-year B.S. programs.

Entrance examinations will be required of all students desiring to enroll in courses in the Baccalaureate program. One examination will be used to evaluate the level at which a student begins the Mathematics program, and a second examination will determine the level at which he enters any of the Natural Science programs. Special arrangements may be made by the Division's faculty for entering students who have completed more than 30 credits of undergraduate study.

The level at which a student enters the Mathematics program will be determined by the coordinator of that program, in consultation with the other members of the Mathematics faculty. A student desiring to



enter a Natural Science program may, on the basis of his performance on the entrance examination, be required to enroll in NSS 011/012, Introduction to the Study of Natural Science, before entering a 201-level or higher course. In other cases, he may be admitted to a 201-level or higher course concurrently with NSS 011 and/or 012. The manner in which he enters the program will be determined by the coordinators of the program under the advice of the science remediation faculty, who will administer and evaluate the entrance examination.

Continuation in the program is dependent on the attainment of a grade of C or higher in each stated prerequisite course.

The following programs of study are recommended to students desiring degrees in Natural Science and/or Mathematics.

RECOMMENDED PROGRAM OF STUDY IN BIOLOGY (A.S. DEGREE)

FIRST SEMESTER	Credits	SECOND SEMESTER	Credits
CORE	5	CORE	5
NSB 201—Gen. Biol. I.....	4	NSB 202—Gen. Biol. II.....	4
NSC 201—Gen. Chem. I.....	4	NSC 202—Gen. Chem. II.....	4
Liberal Arts	3	Liberal Arts	3
	16		16
THIRD SEMESTER		FOURTH SEMESTER	
NSB 303—Microbiology	4	NSB 302—Genetics	4
NSC 301—Org. Chem. I.....	5	NSC 302—Org. Chem. II.....	5
NSM 103—Pre-Calculus	4	NSM 207—Calculus I	4
Hum. 265	3	NSB 103—Bio-Med. Terminol. ..	1
	16		14
Total Credits 62			

RECOMMENDED PROGRAM OF STUDY IN CHEMISTRY (A.S. DEGREE)

FIRST SEMESTER	Credits	SECOND SEMESTER	Credits
CORE	5	CORE	5
NSC 201—Gen. Chem. I.....	4	NSC 202—Gen. Chem. II.....	4
NSM 103—Pre-Calculus Math ..	3	NSM 207—Calculus I	4
Elective in Humanities (Basic Logic)	3	Elective in Lib. Arts	3
	15		16
THIRD SEMESTER		FOURTH SEMESTER	
NSC 301—Organic Chem. I	5	NSC 302—Organic Chem. II	5
NSP 201—Intro. to Physics I....	5	NSP 202—Intro. to Physics II....	5
NSM 301—Calculus II	4	Elective in Lib. Arts	5
	14		15
Total Credits 60			

**RECOMMENDED PROGRAM OF STUDY IN
MATHEMATICS (A.S. DEGREE)**

FIRST SEMESTER	Credits	SECOND SEMESTER	Credits
CORE	5	CORE	5
NSM 207—Calculus I	4	NSM 301—Calculus II	4
Elective in Humanities	3	NSM 203—Linear Algebra	3
Elective in Soc. Science.....	3	Elective in Soc. Science.....	3
	15		15
THIRD SEMESTER		FOURTH SEMESTER	
NSM 302—Calculus III	4	NSM 303—Elem. Diff. Equat.....	3
NSP 201—Intro. to Physics I....	5	NSP 202—Intro. to Physics II... 5	5
NSM 212—Statistics	3	Elective in Mathematics	4
Elective in Liberal Arts.....	3	Elective in Lib. Arts.....	3
	15		15
		Total Credits 60	

**RECOMMENDED PROGRAM OF STUDY IN PHYSICS
(A.S. DEGREE)***

FIRST SEMESTER	Credits	SECOND SEMESTER	Credits
CORE	5	CORE	5
NSP 201—Intro. to Physics I....	5	NSP 202—Intro. to Physics II... 5	5
NSM 207—Calculus I	4	NSM 301—Calculus II	4
	14	Elective in Humanities	3
			17
THIRD SEMESTER		FOURTH SEMESTER	
NSP 305—Elec. & Mag.	4	NSP 306—Elec. & Mag.	4
NSC 201—Gen. Chem.....	4	NSC 202—Gen. Chem.....	4
Computer Language	3	Elective in Sciences & Math....	4
Elective in Soc. Science.....	3	Elective in Lib. Arts.....	3
	14		15
		Total Credits 60	

*Pending approval by the Board of Higher Education

REQUIREMENTS FOR A B.S. DEGREE IN NATURAL SCIENCES AND MATHEMATICS

Biology 201/202 ¹	8 credits
Chemistry 201/202 ¹	8 credits
Mathematics 207, 301, 302, 303 ²	15 credits
Physics 201/202	10 credits
Concentration Courses ³	25 credits
Related Requirements ⁴	15 credits
Core ⁵	9 credits
Humanities 265	3 credits
Humanities Electives	6 credits
Social Science Electives	6 credits
Electives, including foreign language study through translation to English from German, French or Russian ..	15 credits
Total 120 credits	

¹A mathematics-concentration student may request, from the coordinator of the mathematics concentration area, substitution of eight credits in mathematics electives for one, only, of these courses.

²A biology- or chemistry-concentration student may request, from the coordinator of his concentration area, substitution of three credits in natural science electives for this course.

³Concentration

Area	Concentration Courses	⁴ Related Requirements
Biology	Bio. 302, 303, 311/312 or 321/322, biology electives from 300-level courses (7 cr.)	Chem. 301/302, 311
Chemistry	Chem. 301/302, 311, 321/322, 324, 411	Chem. 331, 341; Phys. 302; natural science elective (5 cr.)
Mathematics	Math. 203, 205, 312, 304/305, 401, 405, mathematics electives (3 cr.)	Mathematics electives (9 cr.); natural science electives (6 cr.)
Physics	Phys. 301, 302, 304, 305/306, 311/312, 409	Physics electives (6 cr.). Computer Language (3 cr.). Mathematics or physics electives (6 cr.)

⁵Credits received for remedial courses may not be offered by the student as fulfillment of these requirements.

**RECOMMENDED PROGRAM OF STUDY IN NATURAL
SCIENCES AND MATHEMATICS (B.S. DEGREE)**

Concentration Area:**Year I**

Biology	Credits	Chemistry	Credits	Mathe- matics	Credits	Physics	Credits
Core	9	Core	9	Core	9	Core	9
NSM207/301 ..	8	NSM207/301 ..	8	NSM207/301 ..	8	NSM207/301 ..	8
NSC201/202 ..	8	NSC201/202 ...	8	NSC201/202 ...	8	NSP201/202 ...	10
NSB201/202 ...	8	NSB201/202 ...	8	Hum 265	3	Hum 265	3
				Elective	3		
	<u>33</u>		<u>33</u>		<u>31</u>		<u>30</u>

Cumulative

Total	<u>33</u>	<u>33</u>	<u>31</u>	<u>30</u>
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Year II

NSM302/303 ..	7	NSM302/303 ..	7	NSM302/303 ..	7	NSM302/303 ..	7
NSC301/302 ...	10	NSC301/302 ...	10	NSP201/202 ...	10	NSC201/202 ...	8
Hum 265	3	Hum 265	3	Hum. Elec.	6	Hum. Elec.	6
NSB103	1	NSP201/202 ...	10	NSM203	3	NSP305/306 ...	8
NSB302	4			NSM205	3	Comp. Lang. ...	3
NSB303	4						
	<u>29</u>		<u>30</u>		<u>29</u>		<u>32</u>

Cumulative

Total	<u>62</u>	<u>63</u>	<u>60</u>	<u>62</u>
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Year III

Elective	9	Elective	6	Elective	6	Elective	6
Hum. Elec.	6	Hum. Elec.	6	NSB201/202 ...	8	NSB201/202 ...	8
NSC311	5	NSC311	4	Math. Elec.	4	Soc. Sci. Elec..	6
NSB311/312		N.S. Elec.	4	NSM312	3	NSP301	3
(or 321/322).10		NSC321/322 ...	6	NSM304/305 ..	6	NSP302	4
		NSC324	3	NSM401	3	NSP304	3
	<u>30</u>		<u>29</u>		<u>30</u>		<u>30</u>

Cumulative

Total	<u>92</u>	<u>92</u>	<u>90</u>	<u>92</u>
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Year IV

Elective	6	Elective	9	Elective	6	Elective	9
Soc. Sci. Elec... 6		Soc. Sci. Elec... 6		Soc. Sci. Elec... 6		Math or	
NSP201/202 ...	10	NSP302	4	N.S. Elec.	6	Phys. Elec.....	6
Bio. Elec.	7	N.S. Elec.	2	Math. Elec.	9	Phys. Elec.	6
		NSC331	3	NSM405	3	NSP311/312 ...	6
		NSC341	3			NSP409	1
		NSC411	1				
	<u>29</u>		<u>28</u>		<u>30</u>		<u>28</u>

Cumulative

Total Credits	<u>121</u>	<u>120</u>	<u>120</u>	<u>120</u>
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REQUIREMENTS FOR A B.S. DEGREE IN NATURAL SCIENCES AND MATHEMATICS

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Chemistry 201/202 ¹	8 credits
Mathematics 207, 301, 302, 303 ²	15 credits
Physics 201/202	10 credits
Concentration Courses ³	25 credits
Related Requirements ⁴	15 credits
Core ⁵	9 credits
Humanities 265	3 credits
Humanities Electives	6 credits
Social Science Electives	6 credits
Electives, including foreign language study through translation to English from German, French or Russian. . .	15 credits
Total 120 credits	

¹A mathematics-concentration student may request, from the coordinator of the mathematics concentration area, substitution of eight credits in mathematics electives for one, only, of these courses.

²A biology- or chemistry-concentration student may request, from the coordinator of his concentration area, substitution of three credits in natural science electives for this course.

³**Concentration**

Area	Concentration Courses	⁴Related Requirements
Biology	Bio. 302, 303, 311/312 or 321/322, biology electives from 300-level courses (7 cr.)	Chem. 301/302, 311
Chemistry	Chem. 301/302, 311, 321/322, 324, 411	Chem. 331, 341; Phys. 302; natural science elective (5 cr.)
Mathematics	Math. 203, 205, 312, 304/305, 401, 405, mathematics electives (3 cr.)	Mathematics electives (9 cr.); natural science electives (6 cr.)
Physics	Phys. 301, 302, 304, 305/306, 311/312, 409	Physics electives (6 cr.). Computer Language (3 cr.). Mathematics or physics electives (6 cr.)

⁵Credits received for remedial courses may not be offered by the student as fulfillment of these requirements.

RECOMMENDED PROGRAM OF STUDY IN NATURAL SCIENCES AND MATHEMATICS (B.S. DEGREE)

Concentration Area:

Year I

Biology	Credits	Chemistry	Credits	Mathe- matics	Credits	Physics	Credits
Core	9	Core	9	Core	9	Core	9
NSM207/301 ..	8	NSM207/301 ..	8	NSM207/301 ..	8	NSM207/301 ..	8
NSC201/202 ..	8	NSC201/202 ..	8	NSC201/202 ..	8	NSP201/202 ..	10
NSB201/202 ..	8	NSB201/202 ..	8	Hum 265	3	Hum 265	3
				Elective	3		
	33		33		31		30

Cumulative

Total 33 33 31 30

Year II

NSM302/303 ..	7	NSM302/303 ..	7	NSM302/303 ..	7	NSM302/303 ..	7
NSC301/302 ...	10	NSC301/302 ...	10	NSP201/202 ...	10	NSC201/202 ...	8
Hum 265	3	Hum 265	3	Hum. Elec.	6	Hum. Elec.	6
NSB103	1	NSP201/202 ...	10	NSM203	3	NSP305/306 ...	8
NSB302	4			NSM205	3	Comp. Lang. ...	3
NSB303	4						
	29		30		29		32

Cumulative

Total 62 63 60 62

Year III

Elective	9	Elective	6	Elective	6	Elective	6
Hum. Elec.	6	Hum. Elec.	6	NSB201/202 ...	8	NSB201/202 ...	8
NSC311	5	NSC311	4	Math. Elec.	4	Soc. Sci. Elec..	6
NSB311/312		N.S. Elec.	4	NSM312	3	NSP301	3
(or 321/322).10		NSC321/322 ...	6	NSM304/305 ..	6	NSP302	4
		NSC324	3	NSM401	3	NSP304	3
	30		29		30		30

Cumulative

Total 92 92 90 92

Year IV

Elective	6	Elective	9	Elective	6	Elective	9
Soc. Sci. Elec... 6		Soc. Sci. Elec... 6		Soc. Sci. Elec... 6		Math or	
NSP201/202 ...	10	NSP302	4	N.S. Elec.	6	Phys. Elec.....	6
Bio. Elec.	7	N.S. Elec.	2	Math. Elec.	9	Phys. Elec.	6
		NSC331	3	NSM405	3	NSP311/312 ...	6
		NSC341	3			NSP409	1
		NSC411	1				
	29		28		30		28

Cumulative

Total Credits 121 120 120 120

GENERAL SCIENCE COURSE DESCRIPTIONS

NSS 011—INTRODUCTION TO THE STUDY OF NATURAL SCIENCE I AND II

3 hours; 1 credit

Instruction in basic skills particularly important to the successful study of courses in biology, chemistry and physics. Reading to acquire information, interpretation of graphic and photographic illustrative materials, special computational skills, development of scientific vocabulary, and scientific reasoning. Prerequisite: None. Any student wishing to take this course should take the Natural Sciences Entrance Examination.

NSS 101—INTRODUCTION TO PHYSICAL SCIENCE

3 hours; 3 credits

The development of the concepts and theories of physics from Hellenic times to the present; an introduction to present knowledge of the physical universe. The emphasis will be placed on various scientific developments which have direct bearing on the daily life, and on those of current interest.

NSS 102—INTRODUCTION TO LIFE SCIENCES

3 hours; 3 credits

An introduction to biology, with emphasis on man, plants, animals, and microorganisms, and their interdependence, evolution, and aspects of form, function, and heredity.

NSS 103—INTRODUCTORY ASTRONOMY

3 hours; 3 credits

This course shall be designed primarily for students who are non-science majors. This course will include the description of the universe around. It will also include the methods used in obtaining the astronomical facts and the understanding of the nature of the universe. Particularly, it will deal with the nature of the solar system, nature of stars, evolution of stars and galaxies. Prerequisite: NSM 001 or Equivalent.

NSS 104—EARTH SCIENCE

3 hours; 3 credits

This course will be devoted to a study of Earth as a planet, and will include the origin and formation of earth, the internal structure of earth, oceans, atmosphere, and a coordinated study of geology, meteorology, and siesmology. Recent studies of the moon and the relationship with the understanding of the earth itself will also be discussed. Prerequisite: NSM 001 or equivalent.

BIOLOGY COURSE DESCRIPTIONS

NSB 103—BIO/MEDICAL TERMINOLOGY

1 hour; 1 credit

Study of Greek and Latin derivatives in the terminology of biology and medicine. Translation as employed in biology and medicine, and construction of terms by combining derivatives. Prerequisite: none.

NSB 201/202—GENERAL BIOLOGY I AND II**3 class hours, 3 lab; 4 credits**

Principles of organic evolution, cell biology, and structural and functional organization in living systems. Form and function in plants, animals, and microorganisms. Population and applied biology.

NSB 251/252—BIOLOGY OF HUMAN HEALTH I AND II**3 class hours, 3 lab; 4 credits**

Elements of chemistry, human biology, primary anatomy, basic physiology and development, organs, and organ systems, reproduction and heredity, metabolism and nutrition, infectious disease and immunology.

NSB 302—GENETICS**3 class hours, 1 problems; 4 credits**

Principles of heredity. Prerequisite: NSB 202 or 252.

NSB 303—MICROBIOLOGY**2 class hours, 4 lab; 4 credits**

Survey of bacteria, algae, fungi and protozoa with regard to their distinctive features, phylogenetic relationships, distribution and ecologic roles, and their exploitation by man. Prerequisite: NSB 202, Chem. 202 recommended.

NSB 304—HISTOLOGY***2 class hours, 4 lab; 4 credits**

Microscopic anatomy of animal cells, tissues and organs systems, including introduction to and practice in cytologic and cyto-chemical techniques. Prerequisite: NSB 202 or 252; Chem. 201.

NSB 305—HEMATOLOGY***2 class hours, 4 lab; 4 credits**

Study of morphology of blood cells and hemopoietic tissues; physiologic properties of blood. Emphasis on methods of clinical hematologic procedures. Prerequisite: NSB 202 or 252; NSC 201.

NSB 311/312—ADVANCED PLANT STUDIES I AND II***3 class hours, 4 lab; 5 credits**

Plant systematics and detailed study of plant anatomy and development, followed in the second semester by study of plant physiology and ecology. Emphasis on seed plants. Prerequisite: for 311—NSB 302, which may be concurrent. For 312—NSB 311; Chem. 302, which may be concurrent.

NSB 321/322—ADVANCED ANIMAL STUDIES I AND II***3 class hours, 4 lab; 5 credits**

Animal systematics and comparative study of anatomy and development, followed in the second semester by study of animal physiology, ecology and behavior. Emphasis on vertebrates. Prerequisite: for 321—NSB 302, which may be concurrent. For 322—NSB 321; Chem. 302, which may be concurrent.

NSB 351—BIOMETRICS***2 hours; 2 credits**

Statistical analysis of biologic observations, especially relating to sampling, growth phenomena, inheritance, and population dynamics. Prerequisite: NSB 302 and 312 or 322; Math 302.

*Pending approval by the Board of Higher Education

- NSB 352—ADVANCED GENETICS*** **2 class hours, 4 lab; 4 credits**
 Discussion and laboratory study of fine structure genetics, cytogenetics, and molecular basis of inheritance and gene expression. Prerequisite: NSB 302 and 312 or 322.
- NSB 353—EVOLUTION*** **2 hours; 2 credits**
 Historic development of the theory of evolution by natural selection. Prerequisite: NSB 302, 303; 312 or 322.
- NSB 361—IMMUNOLOGY AND PATHOGENIC MICROBIOLOGY***
3 class hours, 4 lab; 5 credits
 Principles of immunity and hypersensitivity, especially as related to the occurrence and control of infectious diseases. Survey of major bacterial and fungal pathogens. Prerequisite: NSB 202 or 252; 303 recommended; Chem. 302 which may be concurrent, and may be waived for applied health science majors.
- NSB 362—MICROBIAL PHYSIOLOGY***
2 class hours, 4 lab; 4 credits
 Physiologic properties of bacteria and fungi, with emphasis on those microbes employed domestically and in industry. Prerequisite: NSB 303, NSC 302.
- NSB 363—PARASITOLOGY*** **2 class hours, 4 lab; 4 credits**
 Survey of properties of and diseases associated with protozoan and metazoan parasites of humans and livestock. Prerequisite: NSB 202 or 252; 303 recommended.
- NSB 371—MARINE BIOLOGY*** **3 class hours, 3 lab; 4 credits**
 The marine environment and its inhabitants, their interrelationships, and the effects of human activities on the oceans. Prerequisite: NSB 303 and 312 or 322; NSC 302.
- NSB 372—ECOLOGY AND POPULATION DYNAMICS***
3 class hours, 3 lab; 4 credits
 Principles of ecosystems, cyclic phenomena, communities, and successions. Examination of wilderness, rural and urban environments, and their relations to natural resources. Prerequisite: NSB 302, 303; 312 or 322; Chem. 302.
- NSB 373—INVERTEBRATE ZOOLOGY***
2 class hours, 4 lab; 4 credits
 Survey of invertebrate animals. Emphasis on arthropods. Prerequisite: NSB 312 or 322.
- NSB 381—HUMAN PHYSIOLOGY AND GENETICS***
3 class hours, 3 lab; 4 credits
 Functions of major organ systems of humans and their coordination; management of stress; hereditary and environmental factors that influence physiologic activities. Prerequisite: NSB 302 and 252 or 322; NSC 302.
- NSB 391—CELL BIOLOGY*** **2 class hours, 4 lab; 4 credits**
 Discussion and laboratory study of the cell: cell physiology, and structure and function of macromolecules and organelles. Prerequisite: NSB 303 and 312 or 322; NSC 302.

*Pending approval by the Board of Higher Education

NSB 392—VIROLOGY* 2 class hours, 4 lab; 4 credits

Properties of infectious particles, their effects on cells, and their genetics. Emphasis on animal and bacterial viruses. Prerequisite: NSB 202 or 252; 303; 391 recommended; NSC 302, which may be concurrent.

NSB 400—SENIOR RESEARCH*

Hours and credits arranged; not to exceed 3 credits

Library or laboratory investigation of a problem in biology, selected and pursued under the guidance of a member of the Departmental faculty. Prerequisite: 25 credits in biology and permission of the Departmental faculty.

CHEMISTRY COURSE DESCRIPTIONS

NSC 101/102—INTRODUCTORY CHEMISTRY I AND II

3 class hours, 3 lab; 4 credits

The historical, theoretical and conceptual aspects of inorganic chemistry, and biochemistry are presented as a background for the presentation of these aspects of chemistry which affect and are practical to modern living. Primarily for students not majoring in science.

NSC 201/202—GENERAL CHEMISTRY I AND II

3 class hours, 3 lab; 4 credits

An introduction to the basic principles and theories of chemistry including atomic theory, laws of chemical combination, periodic classification of the elements, states of matter and kinetic molecular theory. The aim of classroom and laboratory work is to prepare the student for advanced study in chemistry.

NSC 301/302—ORGANIC CHEMISTRY I AND II

3 class hours, 4 lab; 5 credits

The structure, preparation and properties of organic compounds with emphasis on reactivity, reaction mechanism, stereochemistry and synthesis. Laboratory studies will include modern experimental and research techniques for preparing, purifying and identifying organic compounds. Laboratory to include use of polarimeter and infra-red and ultra violet spectrometers, NMR, and chromatography. Prerequisite: NSC 201, 202.

NSC 311—QUANTITATIVE ANALYSIS*

2 class hours, 6 lab; 5 credits

Basic methods in quantitative analysis; theory and techniques of colorimetric, volumetric and gravimetric determinations. Instrumental analysis using spectrophotometers, gas chromatograph, potentiometer, geiger counter and emission spectrograph. Prerequisite: NSC 201, 202.

NSC 321/322—PHYSICAL CHEMISTRY I AND II* 3 hours; 3 credits

The mathematical description of states of matter; chemical thermodynamics and chemical kinetics. Prerequisite: NSC 311, NSM 301.

*Pending approval by the Board of Higher Education

NSC 324—PHYSICAL CHEMISTRY LABORATORY***6 lab hours; 3 credits**

Techniques for measuring molecular weights rates and heats of reactions, equilibrium constants, and activation enthalpy and entropy. Instrumental methods including refractometer, polarograph, flame photometer, NMR for magnetic moments, electrophoresis, tensionmeter. Corequisite: NSC 322.

NSC 331—ADVANCED INORGANIC CHEMISTRY* 3 hours; 3 credits

Structure and reactivity of inorganic compounds, periodicity, electronic configuration, modern theories of valency. Prerequisite: NSC 202.

NSC 341—BIOCHEMISTRY***3 hours; 3 credits**

Structure reactions and metabolism of amino acids, carbohydrates, enzymes, lipids, nucleic acids, proteins, and vitamins. Prerequisite: NSC 301, 302.

NSC 401/402—RESEARCH***6-9 lab hours; 2-3 credits**

Individual investigation and research of an original problem related to chemistry, selected according to the interest of the student and the direction of a faculty member. Prerequisite: NSC 321, 322.

NSC 411—SEMINAR***1 credit**

Presentation and discussion of relevant topics culled from scientific journals. Prerequisite: NSC 321, 322.

MATHEMATICS COURSE DESCRIPTIONS

NSM 001—ARITHMETIC**4 class hours, 2 lab; no credits**

Whole numbers. Exponents. Prime numbers and factoring. Fractions. Decimals. Signed numbers. Percent and applications. Ratio and proportion. Perimeters, areas and volumes of simple geometric figures. Introduction to algebra. Emphasis throughout the course is on solving word problems.

NSM 102—ALGEBRA**4 class hours, 2 lab; 2 credits**

Algebraic expressions. Monomials and polynomials. Factoring. Negative exponents. Rational expressions. Radicals and fractional exponents. Simplifying radical expressions. Rationalizing. Linear equations. Complex numbers. Quadratic equations. Graphing equations. Systems of linear equations. Evaluating determinants. Cramer's rule. Logarithms. Geometric progressions. The emphasis of the course is on the concept of equivalent algebraic expressions and the use of this concept in solving equations and systems of equations. Prerequisite: NSM 101 or placement by exam.

NSM 103—PRECALCULUS**4 class hours, 2 lab; 4 credits**

Functions. Domain and range of a function. Graphing functions. Inverse functions. Congruence and similarity of plane polygons. Coordinates. Slopes and equations of lines. Parallel, perpendicular and intersecting lines. Parabolas. Absolute values. Solution of inequalities. The trigonometric functions and their graphs. Basic trigonometric formulas and identities. Solution of trigonometric equations. Solution of triangles. Volumes of solids. Mathematical induction. Prerequisite: NSM 102 or placement by exam.

*Pending approval by the Board of Higher Education

NSM 105—BASIC MATHEMATICS **3 hours; 3 credits**

The four fundamental operations in the domain of the counting numbers, the rational numbers, the irrational numbers, the decimal numbers, and the signed numbers. Percentage. Simple interest. Measurative geometry. Algebra as generalized arithmetic. Linear equations. Word problems. This course is principally intended for paraprofessional students.

NSM 110—FINITE MATHEMATICS* **3 hours; 3 credits**

Logic. Introduction to the theory of sets. Counting techniques. Introduction to probability. Linear equations and linear inequalities. Introduction to linear programming. Introduction to matrix algebra. Statistics. Optional topics; Mathematical models. Further techniques in programming (The simplex method). Matrix application to directed graph. Introduction to theory of games. Prerequisite: NSM 102 or placement by exam.

NSM 202—ELEMENTARY APPLIED MATHEMATICS**3 hours; 3 credits**

Analytic geometry of the line. Linear programming probability. Statistics. Mathematics of finance. Introduction to computers. Introduction to calculus. Prerequisite: NSM 102.

NSM 203—ELEMENTARY LINEAR ALGEBRA **3 hours; 3 credits**

Vector spaces, inner products. The Euclidean vector spaces. Linear geometry. Linear transformations and matrices. Prerequisite: NSM 207.

NSM 204—SET THEORY AND METRIC SPACES **3 hours; 3 credits**

Set theory. Topology of the metric spaces. Prerequisite: NSM 207.

NSM 205—ELEMENTARY ABSTRACT ALGEBRA **3 hours; 3 credits**

Introduction to the theory of groups, the theory of rings and the theory of fields. Prerequisite: NSM 207.

NSM 206—FOUNDATIONS OF ANALYSIS **3 hours; 3 credits**

The real number system. Topology of the real number system. Real valued functions of a real variable. Prerequisite: NSM 207.

NSM 207—CALCULUS I **4 class hours, 2 lab; 4 credits**

Sets. Functions. The real number system. Analytic geometry of the line. Limits of sequences. The derivative and the integral. Fundamental theorem of the calculus. Introduction to the applications of the derivative. Introduction to the applications of the integral. Analytic geometry. Prerequisite: NSM 103.

NSM 208—MATHEMATICAL LOGIC* **3 hours; 3 credits**

The propositional calculus. The use of truth tables and proof sequences. The predicate calculus and first order theory including completeness theorems and elements of formal number theory. Prerequisite: NSM 207.

NSM 210—MATHEMATICS OF FINANCE **4 hours; 4 credits**

Simple and compound interest, discounting, annuities, amortizations, sinking funds, valuation of bonds, and other forms of investment. Prerequisite: NSM 102.

*Pending approval by the Board of Higher Education

NSM 211—ACTUARIAL MATHEMATICS **3 hours; 3 credits**

General probability; probability applied to life contingencies; probability applied to casualty contingencies; various forms of life insurance and casualty insurance; calculation of actuarial tables. Prerequisite: NSM 210.

NSM 212—INTRODUCTORY STATISTICS* **3 hours; 3 credits**

Distributions. Histograms. Frequencies. Measures of dispersions. The normal distribution function. Tests of significance linear correlation. Elementary sampling theory. The t-test. Tests of significance. Elementary analysis of variance. Prerequisite: NSM 102.

NSM 213/214—NUMERICAL ANALYSIS I AND II **3 hours; 3 credits**
(Course to be developed.)**NSM 301—CALCULUS II** **4 class hours, 2 lab; 4 credits**

The transcendental functions. Law of the mean. Taylor's formula with remainder. The systematic search for primitives. Further applications of the derivative and of the integral. Infinite series. Prerequisite: NSM 207.

NSM 302—CALCULUS III **4 class hours, 2 lab; 4 credits**

Functions of several variables. Linear algebra and linear geometry. The differential Taylor's formula for functions of several variables. Applications of the partial derivative. Multiple integrals and their applications. Prerequisite: NSM 301.

NSM 303—ELEMENTARY DIFFERENTIAL EQUATIONS**3 hours; 3 credits**

Equations with separable variables. Applications in geometry, physics, and chemistry. Homogeneous equations. Linear equations. Systems of linear differential equations. Differential equations of higher order. Solutions by infinite series. Prerequisite: NSM 302.

NSM 304—ADVANCED CALCULUS I* **3 hours; 3 credits**

The real number system. Topology of the real number system. Theorems on limits, continuity and differentiability. Theorems about the definite integral. Theorems on infinite series. Fourier series. Prerequisite: NSM 302.

NSM 305—ADVANCED CALCULUS II* **3 hours; 3 credits**

Vector algebra. Vector analysis. Functions of several real variables. Partial differentiation. Jordan and Lebesgue measure. Theorems on multiple integrals. Prerequisite: NSM 304.

NSM 312—PROBABILITY* **4 hours; 4 credits**

Sample spaces, events, probability axioms, simple theorems, finite sample spaces and equiprobable measure, binomial coefficients and counting techniques, conditional probability, independent events, Bayes' formula.

Random variables (discrete and continuous), probability functions, density and distribution functions, special distributions (binomial, . . .), mean and variance, Chebychev inequality, independent random variables, functions of random variables and their distributions.

*Pending approval by the Board of Higher Education

Poisson and normal approximation to the binomial, Central limit theorem, Law of large numbers, some statistical applications.

Estimation and sampling, point and interval estimates, hypothesis-testing, power of a test, regression, examples of nonparametric methods. Prerequisite: NSM 301.

NSM 401—COMPLEX VARIABLES* 3 hours; 3 credits

The complex number system. Topology of the plane. Functions of a complex variable. Continuity and differentiability. Integrals. The fundamental theorem of Cauchy. Analytic functions. Taylor series. Laurent series. Multiple valued functions. Applications. Prerequisite: NSM 304.

NSM 402—TOPOLOGY* 3 hours; 3 credits

The metric spaces. Closed sets. Open sets. Compact sets. Bolzano Weierstrauss spaces. Mappings. Continuity. Topological mapping. General topology. Prerequisite: NSM 305 or consent of instructor.

NSM 405—FOUNDATIONS OF MATHEMATICS* 3 hours; 3 credits

Elements of symbolic logic. The logistic, the formalistic and the intuitionistic schools. Cardinal arithmetic. Foundations of geometry. Foundations of set theory. Prerequisite: NSM 302.

NSM 406—VECTOR ANALYSIS* 3 hours; 3 credits

(Course to be developed.) Prerequisite: NSM 302.

NSM 407—INTRODUCTION TO DIFFERENTIAL GEOMETRY*

3 hours; 3 credits

(Course to be developed.) Prerequisite: NSM 304.

NSM 410—MATHEMATICS INDEPENDENT STUDY*

3 hours; 3 credits

The student is given a choice from the following topics, among others. Theory of groups. Commutative rings. Measure theory in 1-dimensional Euclidean space. Introduction to algebraic topology. Topics in complex variables. Prerequisite: Senior with B average in math courses, or approval of chairman.

PHYSICS

COURSE DESCRIPTIONS

NSP 201/202—INTRODUCTION TO PHYSICS I AND II

4 class hours, 2 lab; 5 credits

An introductory course in Physics designed for those majoring in physical sciences. The course will include the basic laws of mechanics, energy and momentum conservation. Thermal properties of matter, properties and propagations of sound, wave motion, light, fundamental concepts of electrical phenomena including electrostatics and electric currents. Electromagnetism, a.c. circuits. Co-requisite: NSM 207 and 301.

*Pending approval by the Board of Higher Education

NSP 301—MECHANICS**3 hours; 3 credits**

Dynamics of a single particle and of a system of particles; kinematics and dynamics of a rigid body; Galileo's principle of relativity; Hamilton's principle of least action; collisions between particles; small oscillations; rotating coordinate systems. Prerequisite: NSP 201, 202.

NSP 302—MODERN PHYSICS**4 hours; 4 credits**

A discussion of the atomic structure, optical spectra, photo electric effect, black body radiations, Bohr's theory, nuclear structure, introduction to quantum physics, special theory of relativity. Prerequisite: NSP 201, 202.

NSP 303—OPTICS**3 hours; 3 credits**

Wave propagation; interference, diffraction; polarization; absorption, dispersion; elementary radiation theory; point charge and dipole radiation; lasers. Prerequisite: NSP 201, 202

NSP 304—NUCLEAR PHYSICS**3 hours; 3 credits**

Discussion of the nuclear structure; nuclear models; radioactivity; alpha and gamma emissions; beta decay; nuclear fission and nuclear forces. Prerequisite: NSP 201, 202.

NSP 305/306—ELECTRICITY AND MAGNETISM I AND II**3 class hours, 3 lab; 4 credits**

Basic concepts of electric and magnetic fields; Gauss' Law, Ampere's Law; potential problems; energy relations and forces in electrostatic and magnetostatic fields; steady currents and their interactions. Alternating currents, circuit theory; impedances; oscillating circuits; electromagnetism; Maxwell's equations; energy, force, and momentum relations in electromagnetic fields. The wave equation and plane waves; waves in presence of metallic boundaries; antennas. Prerequisite: NSP 201, 202.

NSP 307/308—MATHEMATICAL METHODS IN PHYSICS***3 hours; 3 credits**

Study of complex variables, Fourier series; matrices; linear algebra; ordinary and partial differential equations; perturbation and variational methods for solution of differential equation; special functions of mathematical physics; Green's functions; integral equations; tensor analysis; group theory; numerical methods.

NSP 309—ELECTRONICS**3 class hours, 3 lab; 4 credits**

An introductory discussion of electron tubes, thermionic emission, solid state devices, rectifiers, amplifier, oscillator, transistors, detector circuits, and non-linear devices. Emphasis will be placed on the physical applications. Prerequisite: NSP 201, 202.

NSP 310—THERMAL PHYSICS***3 hours; 3 credits**

Chemical thermodynamics; first and second laws of thermodynamics; thermodynamic functions; entropy and probability; irreversible phenomenon; chemical thermodynamics; kinetic theory of gases; introduction to statistical mechanics; Bose Einstein and Fermi Dirac statistics. Prerequisite: NSP 201, 202.

*Pending approval by the Board of Higher Education

NSP 311/312—ADVANCED LABORATORY* 6 hours lab; 3 credits

This laboratory course will be designed to incorporate the various modern experiments to coordinate with the study in theoretical courses. It will include experiments on the measurements of refractive indices, interference, polarization and analysis of spectra, on the charge and mass of an electron, detection and the measurements of alpha, beta and gamma rays. Diffractions of X-rays. Use of geiger and scintillation counters.

NSP 313—MAGNETISM* 3 hours; 3 credits

This course will include a study of magnetic materials. Discussions will include diamagnetism, Pauli's theory of paramagnetism, Weiss theory of ferromagnetism, other theories of magnetism, and magnetic films. Special attention will be given to the use of magnetism in technological developments.

NSP 314—INTRODUCTION TO SOLID STATE PHYSICS* 3 hours; 3 credits

Structure of crystals; X-ray, electron and neutron diffraction; specific heat of solids; lattice vibrations; ionic crystals; free electron theory of metals; band theory; semiconductors and insulators; magnetism; superconductivity.

NSP 315—BIOPHYSICS*
(Course to be developed later.)**NSP 401/402—SPECIAL TOPICS IN THEORETICAL PHYSICS* Hours to be arranged**

A lecture and reading course devoted to some special topics of modern theoretical physics. The contents of the course to be arranged according to the interest of faculty and students.

NSP 403/404—SPECIAL TOPICS IN EXPERIMENTAL PHYSICS* Hours to be arranged

This course is a project in some aspects of experimental physics. The emphasis will be placed on learning of various experimental techniques. The project is to be arranged in consultation with faculty.

NSP 405/406—RESEARCH* Hours to be arranged

A program designed for advanced students preferably in their senior year. The topic of research to be decided in consultation with a faculty member.

NSP 409/410—PHYSICS SEMINAR* 1 credit

The student will be expected to present a seminar in some area of physics of interest both to the student and the faculty.

*Pending approval by the Board of Higher Education

THE DIVISION OF SOCIAL SCIENCES

The division of Social Sciences offers a wide variety of courses in Anthropology, Economics, History, Inner City Studies, Political Science, Psychology and Sociology. The Division offers both the A.A. and B.A. degrees. The Associate in Arts (A.A.) curriculum constitutes the first two years. Any student who successfully completes this two year program is eligible for admission to a senior CUNY college to pursue a baccalaureate degree in the Liberal Arts. In the B.A. program Inner City Studies and Psychology may be selected as majors.

Additional majors will be added in subsequent years. Future offerings planned include Sociology and Political Science (1974-75) and History and Economics (1975-76) as majors in the Social Sciences program.

The Inner City Studies program provides a broad background in social organization, social action, and the process of socialization in an urban environment. It helps the student achieve an in-depth understanding of the nature and problems of life in the contemporary inner city, prepares students to enter careers in government or economic development. It includes courses in Anthropology, Economics, History, Political Science, Psychology, Sociology, as well as specially designed inter-disciplinary courses.

The original design of the Inner City Studies program has been revised in light of the past year's experience. The distinguishing feature of the Inner City Studies program is not only its relevance to the inner city—the vast majority of Social Science courses referred to in this proposal enjoy that distinction—but also its arrangement of courses in clusters. Such an arrangement pre-supposes that the student has already firmly decided upon a career. The clusters which embrace an interdisciplinary set of courses bearing upon career goals are: Youth, Community Development, Urban Planning, Economic Development, and City Government.

BACHELOR OF ARTS DEGREE

In addition to college-wide requirements, the requirements for a B.A. degree in Social Science are as follows:

Selected major (including senior seminar/thesis)	30 credits
15 credits selected from at least four (4) of the following disciplines: Anth., Eco, History, Inner City Studies, Political Science, Psychology and Sociology	15 credits
Social Science 250 and Social Science 251	6 credits
Natural Science and Mathematics	6 credits
Humanities	6 credits
57 credits selected from the following areas: Natural Sciences, Humanities, Social Sciences and other dis- ciplines by advisement	57 credits
	<u>Total 120 credits</u>

There is no divisional requirement that a student minor in any subject. Students may be advised to minor in a discipline in order to assist in

achieving career goals. For the purposes of a minor, fifteen (15) credits in a Social Science discipline shall be accepted.

ANTHROPOLOGY COURSE DESCRIPTIONS

ANTH 201—THE NATURE OF CULTURE **3 hours; 3 credits**
An examination of the nature, function, and evolution of culture in Western and non-Western traditional societies.

ANTH 202—PHYSICAL AND CULTURAL EVOLUTION* **3 hours; 3 credits**
An analysis of man's physical and cultural evolution as a basis for understanding present day variation in physical type and cultural systems.

ANTH 204—AFRO-AMERICAN SOCIETIES AND CULTURES **3 hours; 3 credits**
An examination of the cultures developed by peoples of African descent in the New World; and of the national, economic and ecological factors underlying their diversification.

ANTH 302—SOCIETIES AND CULTURES OF LATIN AMERICA* **3 hours; 3 credits**
A comparative analysis of selected rural and urban communities, with particular attention to social and political organization, religion, traditional economic patterns, and values. The uses of anthropological materials in programs of directed change in education, health, and economic life.

ANTH 303/ICS 303—AMERICAN MINORITIES* **3 hours; 3 credits**
The origins of the differentiation of racial and cultural minorities in the United States. An analysis of the prejudices and discrimination which attend such cultural diversity.

ANTH 304—AFRICAN SOCIETIES AND CULTURES* **3 hours; 3 credits**
A survey of African Cultures throughout the continent, including in-depth ethnographical descriptions of some traditional African religious systems and social and political organizations.

ANTH 305/HIST 305—THE EVOLUTION OF THEORIES ON RACE* **3 hours; 3 credits**
A survey of the historical context in which theories on race have evolved; the historical significance of such theories. The principal focus will be on theories regarding Black peoples in the U.S.A. (as they evolved in the slave era) and on Social Darwinism. Theories arising in connection with imperialism, nationalism and religion touching other races and other parts of the world will also be studied. Prerequisite any 200-level course in History.

ANTH 306—HISTORY OF ETHNOLOGICAL THEORY* **3 hours; 3 credits**
An examination of the development of anthropological theory in historical perspective, emphasizing the prominent schools of thought; evolutionary theory, functionalism, cultural relativism, culture and personality, structuralism. (Admission open only to juniors and seniors, and by permission of instructor.)

*Pending approval by the Board of Higher Education

ANTH 320—ANTHROPOLOGY AND IMPERIALISM 3 hours; 3 credits

An examination of anthropological theory and its relationship historically to European colonialism and expansion. The course will include a survey of the role that anthropologists have played in the psychological, cultural and political subjugation of non-Western peoples by western European peoples. (Admission by permission of instructor only.)

ANTH 321—MODERNIZATION AND CULTURE* 3 hours; 3 credits

The cultural implications of "modernization," technological advance and cultural values. An examination of the impact of "Westernization" upon traditional societies and values. Prerequisite: Anth. 201.

ANTH 397—FIELDWORK/INTERNSHIP 1 to 6 credits

This course provides for the award of credits for individual projects, fieldwork or internship in any job providing experiences which substantially increase the student's understanding of the respective discipline. Each project or period of internship must be approved in advance by a panel of instructors who shall also arrange for any necessary supervision and for evaluating the level and relevance of the experiences in terms of grades and number of credits to be awarded.

ECONOMICS**Prerequisites in Economics**

Economics 101 is strongly recommended for students who are not economics majors. Economics 201 and Economics 203 are normally prerequisites for admission to any 300 or 400 level course. Economics 311 and 401 will be open only to persons who have completed Social Science 251 and NSM 207.

COURSE DESCRIPTIONS**ECO 101—INTRODUCTION TO POLITICAL ECONOMY****3 hours; 3 credits**

A study of the economic, social and political structure of feudalism, capitalism and socialism. Focus upon the forces for stability and change operative within each form of socio-economic system. Definitions to be discussed include: money, capital, goods, services, supply, demand, competition, income, the economy, development, taxation, production, productivity, exchange, trade and similar basic concepts.

ECO 201—THE THEORY OF THE FIRM AND MARKETS**3 hours; 3 credits**

Analysis of the production process; market structure; dynamics of firm and industry development; consideration of consumer demand, advertising; decision processes.

ECO 203—THE GENERAL ECONOMY**3 hours; 3 credits**

Factors which determine the general level of prices, production, and consumption in the United States. Inflation, recessions, and the public policies which combat them. Problems of unemployment and the position of minority workers.

*Pending approval by the Board of Higher Education

ECO 301/ICS 337—ECONOMICS OF RACISM 3 hours; 3 credits

An analytical study of the factors which affect occupational structure, occupational mobility and attendant poverty in the United States, particularly with respect to Blacks and Puerto Ricans. Consideration of the consequences of current shifts in industrial and job locations, occupational structure and the delivery of basic social services such as health, housing, education, transportation and the retailing business in the inner city. The loss in human resources occasioned by racism and the loss to individuals.

ECO 302/HIST 302—HISTORY OF ECONOMIC INSTITUTIONS***3 hours; 3 credits**

A general survey centered around Europe, Africa and the Americas of the evolution of attitudes and institutions in economic life up to 1800 involving such things as barter, banking, feudalism, slavery (as an economic system), mercantilism, fiscal schemes, craft guilds, merchant guilds and international trading associations.

ECO 303/ICS 347—THEORY OF ECONOMIC DEVELOPMENT**3 hours; 3 credits**

The theory of the economic development of national economics and economic regions. Implications for community (non-economic) regional development. Characteristics of capitalist and socialist development.

ECO 304—PROBLEMS OF AFRICAN DEVELOPMENT***3 hours; 3 credits**

Definitions of development and underdevelopment—the present state of economic development in Africa—and discussion of per capita income in industrialized countries. Recent economic growth and targets for future growth discussed in relation to political growth. Main physical obstacles on the road to growth. Population growth, economic impediments, social and cultural obstacles and political obstacles. Development planning in the new states.

ECO 305/ICS 305—ECONOMIC DEVELOPMENT OF THE INNER CITY**3 hours; 3 credits**

This course focuses upon the special problems of development which face ethnic communities in N.Y.C. Consideration of opportunities for and barriers to occupational mobility in the larger economy, prospects for "Black capitalism," and related topics. Detailed study of problems facing Black business enterprises.

ECO 306—MONETARY THEORY***3 hours; 3 credits**

How our money and monetary institutions work. The monetary impact of the system of commercial banks, the Federal Reserve System and the United States Treasury will be examined. This course will focus on monetary policy as a means of achieving stability, and current disagreement over its effectiveness.

ECO 307—COMPARATIVE ECONOMIC SYSTEMS* 3 hours; 3 credits

This course will compare and analyze the "pure capitalist" system, the "pure socialist" system and other economic systems. The emphasis will be on the major principles around which an economy might be organized, as suggested by various writers.

*Pending approval by the Board of Higher Education

ECO 311—MATHEMATICAL ANALYSIS FOR ECONOMICS***3 hours; 3 credits**

This course will introduce the student to the use of mathematical tools in economic analysis. Topics include concepts of function, limits and continuity, the derivative, differentiation by the delta process, techniques of differentiation, differentiation of implicit functions, theory of maxima, minima and inflection, definitions of marginal values, etc. Prerequisites: NSM 207, ECO 203, ECO 201.

ECO 322—FISCAL POLICY***3 hours; 3 credits**

Concepts of fiscal policy. Topics to be discussed include: expenditure theory, the national budget, the impact of taxes, national debt, debt management and economic stability. Also principles guiding benefit cost analysis; planning and programming and priority analysis.

ECO 390/ICS 390—EDUCATION AS A SOCIAL INVESTMENT***3 hours; 3 credits**

A survey of education as a means of human resources development. The economic returns and the implication for social dynamism as seen both at the individual and at the community-wide level. The problems of education in New York City will be examined from the standpoints of cultural identity, social integration and economic opportunity for all.

ECO 397—FIELDWORK/INTERNSHIP**1 to 6 credits**

(For description see Anth 397.)

ECO 401—INTRODUCTION TO ECONOMETRICS***3 hours; 3 credits**

The combined use of mathematics and statistics to solve problems in economics. This course is intended to provide a bird's eye view of the entire field of econometrics. Topics include econometric models, statistical inference, etc. Prerequisite: NSM 207, Eco 201, 203.

ECO 498/499—SENIOR SEMINAR/THESIS ON YOUTH**3 hour seminar; 3 credits****3 hour thesis; 3 credits****6 hour extended thesis; 6 credits**

A study of a topic usually selected by the student and instructors for its relevance to the Central Brooklyn area. In cases where a seminar course is not feasible, a more intensive or extensive thesis may be substituted. A seminar course will require a paper of reasonable length and participation in discussions.

HISTORY**Prerequisites in History**

History 101 or 102 will be required of all students who have not taken history in the senior and junior years of high school. Admission to 300 level courses in history usually requires that the student must have taken at least one 200 level history course and at least an introductory course in a related discipline, for example:

*Pending approval by the Board of Higher Education

HIST 222—U.S.A. TO 1900**3 hours; 3 credits**

The colonial background to the independence struggle, the goals of the founding fathers, the Constitution and its evolution, westward expansion and interaction with aboriginal peoples, the Civil War and Reconstruction, slavery and emancipation, the growth of capitalism, trade unionism, populism, and education. In general, the theme will be one of the conflict or accord between expressed ideals and reality in American development.

HIST 223—U.S.A. IN THE 20th CENTURY**3 hours; 3 credits**

The growth of the economy during the twentieth century; the effects of world wars of U.S. international relations and international role; growth of world-wide imperialism; the internal problems of social justice, civil rights, urban development, the impact of science and technology. In general the course will focus on the increasing complexity of the problems and on the adequacy of the efforts made to cope with these problems.

HIST 230—HISTORY OF AFRICA TO 1800**3 hours; 3 credits**

A survey of African History from earliest times to the end of the 18th century. This course will include discussions of the peopling of Africa. Africa in the ancient World, the spread of Islam, the medieval empires, city states and the kingdoms of the savannah and forest, early European contacts with Africa and trade including the growth of the slave trade.

HIST 231—HISTORY OF AFRICA SINCE 1800***3 hours; 3 credits**

A survey of African history from the beginning of the 19th century to the era of "African independence." This course will focus on the change in commercial patterns in the 19th century between Europe and Africa, the "Scramble for Africa" and its effect upon African societies, resistance to the imposition of colonial rule, the nature of colonial life in British, French, German and Belgian-occupied areas, survival and persistence of African institutions and culture under colonial rule; the growth of modern African political and social organizations; and movements toward independence.

HIST 240—HISTORY OF SPANISH AND PORTUGUESE RULE IN THE AMERICAS**3 hours; 3 credits**

Survey of the imposition of Spanish and Portuguese rule on the peoples of Central and South America: the social, economic and political institutions developed to effect such rule, including enslavement of Indians, European and African peoples; the growth in wealth on both sides of the Atlantic, and the genesis and triumph of the liberation movement.

HIST 241—HISTORY OF LATIN AMERICAN REPUBLICS***3 hours; 3 credits**

The genesis and success of the liberation movements, the trends in the development of the republics since independence, including the status of non-white communities, political, social and economic problems, international relations especially vis-a-vis the U.S.A. and Europe; and cooperation among the Republics.

*Pending approval by the Board of Higher Education

HIST 242—HISTORY OF THE ENGLISH SPEAKING CARIBBEAN**3 hours; 3 credits**

A survey of the development of the Caribbean Islands—Jamaica, Leewards, Windwards, Barbados, Trinidad and Tobago, and mainland countries of Guyana and Belize; deals with European conquest, slavery, emancipation and political independence.

HIST 243—HISTORY OF PUERTO RICO***3 hours; 3 credits**

General historical survey of Puerto Rico from earliest times to the present: discusses aboriginal peoples, the European incursions, African enslavement, and the post-emancipation experience including relations with the U.S.A.

HIST 244—THE HISTORY OF HAITI***3 hours; 3 credits**

A study of early European efforts to build their communities on the island, the coming of the French, the African slaves and the ideas of the French Revolution; the war of Haitian emancipation and independence; the evolution of the Haitian economy, society and politics from 1805 to the present, in the context of its international problems of race, quarantine and intervention.

HIST 250—SELECTED TOPICS IN THE HISTORY OF MEDIEVAL EUROPE***3 hours; 3 credits**

A study of aspects of the history of Europe—these include the Roman, Christian, Islamic, and "Barbarian" contributions to European civilization; the Renaissance and the genesis of the expansion of Europe, the consequences to European wealth and power of such expansion; the Agricultural and Industrial Revolution of the 17th and 18th centuries.

HIST 251—SELECTED PROBLEMS IN THE HISTORY OF MODERN EUROPE***3 hours; 3 credits**

Major currents which have helped to shape modern Europe, including but not limited to: political revolutions—English (1688), French (1789), and Russian (1917); the Industrial Revolution; 19th and 20th Century patterns of Imperialism; the rise of the modern nation state; European international relations in the 19th and 20th Century.

HIST 260/ICS 260—THE CITY IN HISTORY***3 hours; 3 credits**

The economic and cultural role of the city in the lives of peoples in selected ages; the growth of the modern metropolis.

HIST 301—HISTORY OF SCIENCE & TECHNOLOGY***3 hours; 3 credits**

This course involves a survey of the principal advances made in science and technology through the ages, the consequences of these advances in patterns of living, political life, learning, warfare, etc. It will deal more thoroughly with the post-Industrial Revolution Era and the 20th century implications of scientific and technological advance for economic development, social change and political and international stability. Prerequisite: completion of any 200 level History course and an Introductory Natural Science course.

*Pending approval by the Board of Higher Education

HIST 302/ECO 302—HISTORY OF ECONOMIC INSTITUTIONS*
3 hours; 3 credits

(For description see Eco 302.)

HIST 304/POL SCI 304/SOC 304—HISTORY OF SOCIAL AND POLITICAL INSTITUTIONS*
3 hours; 3 credits

A comparative survey of Europe and Africa with respect to their social and political institutions focusing on feudalism, evolution of theories of kingship, concepts of clans or tribes, stateless societies, theories of society and government and the evolution of the nation. Prerequisite: any 200 level History course and either an introductory Sociology or a Political Science course.

HIST 305/ANTH 305—THE EVOLUTION OF THEORIES ON RACE*
3 hours; 3 credits

(For description see Anth 305.)

HIST 306/ANTH 306—HISTORY OF ETHNOLOGICAL THEORY*
3 hours; 3 credits

(For description see Anth 306.)

HIST 333—THE HISTORY OF THE CIVIL RIGHTS PROBLEM IN THE U.S.A.*
3 hours; 3 credits

A survey of the position with respect to equality of rights and opportunity amongst the peoples of the U.S.A., particularly in the fields of employment, politics and education. The focus will be on the evolving position of Blacks in the Colonial, the pre-Emancipation and the post-Emancipation periods. The position of other affected groups will also be examined. (Not open to persons who have taken History 211.)

HIST 393/POL SCI 393—HISTORY OF WESTERN POLITICAL THOUGHT
3 hours; 3 credits

A survey of Western political thought from Plato to Rousseau and Thomas Paine. Prerequisite: completion of any level History course and an Introductory Political Science course.

HIST 394/POL SCI 394—POLITICAL THEORY FROM ROUSSEAU TO THE PRESENT*
3 hours; 3 credits

Focus on major contributors to political thought and theories of the modern state from Rousseau to the present time including such figures as Rousseau, The Federalist, Hegel, Marx, John Stuart Mill, Nietzsche, Fanon, Marcuse, and Dewey.

HIST 397—FIELDWORK/INTERNSHIP
1 to 6 credits

(For description see Anth 397.)

*Pending approval by the Board of Higher Education

**HIST 410—COMPARATIVE HISTORY OF SLAVERY
IN THE AMERICAS*****3 hours; 3 credits**

A comparative study of slavery in selected countries illustrating the peculiarities of the laws, treatment and use of slaves, and progress toward emancipation in the various systems (Spanish, Portuguese, Dutch, French, American and British). Prerequisite: any one of History 220, 240, 242, 244. (Not open to persons who have taken History 212.)

HIST 420—THE WORLD SINCE 1918***3 hours; 3 credits**

A study of the history of international relations since 1918 and the significant causes of change in world groupings touching on the rise of the U.S.S.R., Hitler, the drift into World War II; the war and peace settlements; the quest for collective security; the emergence of the Third World (China, India, Africa, Latin America and the Caribbean); modern imperialism; race as an issue in international relations over the period. Prerequisite: any 200 or 300 level history course.

**HIST 444/ SOC 444—SEMINAR IN
AFRICAN STUDIES*****3 hours; 3 credits**

(For History, Political Science and Sociology majors.) This seminar in African Studies will focus on dissent, opposition, and conflict resolution in contemporary Africa; the one-party state; opposition to colonial rule, dissent and conflict resolution in traditional African societies; opposition to apartheid; the role of the intelligentsia in contemporary Africa.

HIST 498/499—SENIOR SEMINAR/THESIS ON YOUTH**3 hour Seminar; 3 credits****3 hour Thesis; 3 credits****6 hour Extended Thesis; 6 credits**

(For description see Eco 498/499.)

**INNER CITY STUDIES
COURSE DESCRIPTIONS****I Youth Cluster****ICS 209/SOC 209—URBAN LIFE STYLES****3 hours; 3 credits**

Study of the different life styles characteristic of various neighborhoods; of social classes, racial, ethnic, cultural or other groups living in urban environments. Special attention is given to the multi-cultural nature of New York City.

ICS 220/SOC 220—INTRODUCTION TO CASEWORK/GROUPWORK**3 hours; 3 credits**

A focus on basic aspects of casework and groupwork as methods of intervention for individual, group and social change. The course will examine the skills and techniques utilized in assisting the individual and small groups; diagnosis, treatment, the meaning of group experience and the system of mutual aid.

ICS 303/ANTH 303—AMERICAN MINORITIES**3 hours; 3 credits**

(For description see Anth 303.)

*Pending approval by the Board of Higher Education

ICS 320/SOC 320—INTERMEDIATE CASEWORK* 3 hours; 3 credits

An extension and deepening of the study, diagnosis and treatment methods of Social Casework. Analysis of cases involving problems in parent-child relationships, marital and other family conflicts, physical and mental illness, and conflicts with the society. Prerequisite Soc 220.

ICS 321/SOC 321—INTERMEDIATE GROUPWORK* 3 hours; 3 credits

This course expands upon social groupwork principles and methods; the functions and roles of the groupworker are examined. Emphasis is placed upon the development of the personal qualities required of the groupworker and the student's research skills in groupwork.

ICS 331/PSY 309—CHILD DEVELOPMENT 3 hours; 3 credits

Consideration of the significant phases of motor, cognitive, emotional, and social development of the child as these are influenced by genetic, cultural, and individual factors during the first twelve years of life. Special attention is given to the characteristics of the Central Brooklyn area.

ICS 332/SOC 307—SOCIALIZATION OF THE URBAN CHILD 3 hours; 3 credits

A study of the processes of socialization. Analysis of the influence of socialization on family, neighborhood, and peer-group association and other social relationships in the urban environment.

ICS 333/PSY 311—ADOLESCENT SOCIALIZATION 3 hours; 3 credits

A systematic examination of the developmental process from puberty through young adulthood. The nature of psychological strains, peer group relations, problems of youth-adult interaction. Types of social and family supports needed for healthy development. Special attention is given to the circumstances of the inner city.

ICS 334—THE SCHOOL SYSTEM 3 hours; 3 credits

The latent and manifest functions of the schools and the educational system; the student-teacher relationship; counseling practices; comparison with alternative systems; consequences for adolescent development. Corequisite: Psych 311.

ICS 335/SOC 303—SOCIAL DEVIANCE 3 hours; 3 credits

This course will deal with a broad range of "deviant" behavior, with an emphasis on such behavior common to young people in our society. The legitimacy of the concept of "deviance" itself will be questioned within the context of the problems of adolescent socialization and the pressures of society. Salient topics are: drug use, sexual, religious, and political deviancy and crime.

ICS 336/SOC 336—POLICE AND THE PENAL SYSTEM 3 hours; 3 credits

A study of the latent and manifest functions of police and the penal system, sources of youth-police antagonism, nature of life in houses of detention and prisons, and implications for adolescent development. Consideration of systems existing in other countries.

*Pending approval by the Board of Higher Education

ICS 397.01—FIELDWORK/INTERNSHIP 1 to 6 credits
(For description see Anth 397.)

ICS 498/499.01—SENIOR SEMINAR/THESIS ON YOUTH
3 hour Seminar; 3 credits
3 hour Thesis; 3 credits
6 hour Extended Thesis; 6 credits
(For description see Eco 498/499.)

II Community Development Cluster

For other courses in this cluster see Anth 303, ICS 209, ICS 220, ICS 320, ICS 321, ICS 336, ICS 333 (Cluster 1).

ICS 339/POL SCI 303—GOVERNMENTAL POLICY AND COMMUNITY DEVELOPMENT 3 hours; 3 credits

A study of federal, state and local policies and programs which relate directly to poor persons and to poverty areas; the manner in which such policies are developed; the political, social and economic forces which shape public policy; the significance of the broader metropolitan political, social, and fiscal structures.

ICS 340/SOC 340—SELECTED PROBLEMS IN COMMUNITY DEVELOPMENT 3 hours; 3 credits

A course which relates directly to major issues facing the local community, e.g. housing, the delivery of health and social services, and education. The student should be involved as participant/observer in at least one of these issues.

ICS 343/SOC 311/POL SCI 305—URBAN SOCIAL AND POLITICAL STRUCTURE* 3 hours; 3 credits

The city; its people, ethnic group relationships, class conflicts, political power, and the implications for urban planning.

ICS 445/SOC 401—COMPLEX ORGANIZATIONS* 3 hours; 3 credits

An introduction to the theory of complex organizations, organizational dynamics, and decision making. The nature of bureaucracy, organizational regard systems, and bureaucratic entropy. The relationship of bureaucracy to all phases of contemporary life, and particularly to the poor and dependent, will be examined and some possible alternatives to present bureaucratic structures.

ICS 457/SOC 402—COMMUNITY ORGANIZATION 3 hours; 3 credits

New perspectives on urban intergroup relations in the context of movements for social change, with an overview of racial isolation and integration, interreligious accommodations, cultural pluralism, and urban-suburban conflicts. Techniques of community organization. Programming with an emphasis on metropolitan ghettos, will be explored.

*Pending approval by the Board of Higher Education

ICS 458/SOC 406—THE DYNAMICS OF URBAN IMPROVEMENT PROGRAMS***3 hours; 3 credits**

Examinations of community programs that have been developed in efforts to solve the urban society's problems. Discussion and evaluation of goals, policy, planning, theory, and methods of intervention for change in relation to major programs, including community mental health, anti-poverty, delinquency and crime prevention, health and rehabilitation, prevention of addiction, school and education.

ICS 397.02—FIELDWORK/INTERNSHIP**1 to 6 credits**

(For description see Anth 397.)

ICS 498/499.02—SENIOR SEMINAR/THESIS ON YOUTH**3 hour Seminar; 3 credits****3 hour Thesis; 3 credits****6 hour Extended Thesis; 6 credits**

(For description see Eco 498/499.)

III Urban Planning Cluster

For other courses in this cluster see ICS 209, ICS 458.

ICS 201—INTRODUCTION TO URBAN DEVELOPMENT***3 hours; 3 credits**

The course explores the scope of problems associated with urban development: health, transportation, social services, land development, poverty. This course will seek to define many of the issues while exploring many of the approaches proposed as a resolution of these problems.

ICS 260/HIST 260—THE CITY IN HISTORY***3 hours; 3 credits**

(For description see Hist 260.)

ICS 345/346—URBAN PLANNING I & II**3 hours; 3 credits**

This course examines the principles of urban design and planning, the major issues facing modern city planning, methods for encouraging urban redevelopment, alternative concepts for the design of human environments. The course also offers a detailed analysis of current design in the New York metropolitan area.

ICS 375—COOPERATIVES AND CONDOMINIUMS***3 hours; 3 credits**

A study of these two types of ownership and their meaning to low income groups. Financing techniques involved in these new forms of housing as seen by lending institutions, development agencies, planners and others.

ICS 376—HOUSING LEGISLATION: FEDERAL AND STATE***3 hours; 3 credits**

Survey and analysis of the principal laws and regulations affecting the development of housing with special reference to New York City.

*Pending approval by the Board of Higher Education

ICS 377—HOUSING REHABILITATION* **3 hours; 3 credits**
 Factors which influence housing rehabilitation in the urban environment; cost and quality of rehabilitation, mobilization of capital and labor for rehabilitation.

ICS 381—URBAN RENEWAL: TURNKEY AND MODEL CITIES* **3 hours; 3 credits**
 An in-depth review of the operation of various housing programs in New York City and the role of the New York State Urban Development Corporation.

ICS 382—TECHNIQUES OF RESIDENTIAL AND COMMERCIAL RELOCATION* **3 hours; 3 credits**
 An analysis of the problems associated with the relocation of business and residents. Consideration will be given to the role and financial obligations of the government in relocation.

ICS 388—ISSUES IN URBAN TRANSPORTATION* **3 hours; 3 credits**
 This course examines the problems of urban transportation and explores the approaches proposed as a resolution to these problems.

ICS 393.03—FIELDWORK/INTERNSHIP **1 to 6 credits**
 (For description see Anth 397.)

ICS 498/499.03—SENIOR SEMINAR/THESIS ON YOUTH
3 hour Seminar; 3 credits
3 hour Thesis; 3 credits
6 hour Extended Thesis; 6 credits
 (For description see Eco 498/499.)

IV Economics Development Cluster

(For other courses in this cluster see ICS 201.)

ICS 305/ECO 305—ECONOMIC DEVELOPMENT OF THE INNER CITY **3 hours; 3 credits**
 (For description see Eco 305.)

ICS 337/ECO 301—ECONOMICS OF RACISM **3 hours; 3 credits**
 (For description see Eco 301.)

ICS 347/ECO 303—THEORY OF ECONOMIC DEVELOPMENT **3 hours; 3 credits**
 (For description see Eco 303.)

ICS 390/ECO 390—EDUCATION AS A SOCIAL INVESTMENT* **3 hours; 3 credits**
 (For description see Eco 390.)

ICS 397.04—FIELDWORK/INTERNSHIP **1 to 6 credits**
 (For description see Anth 397.)

ICS 498/499.04—SENIOR SEMINAR/THESIS ON YOUTH
3 hour Seminar; 3 credits
3 hour Thesis; 3 credits
6 hour Extended Thesis; 6 credits
 (For description see Eco 498/499.)

*Pending approval by the Board of Higher Education

V City Government Cluster

For other courses in this cluster see ICS 334, 336, 338, 339, 343, 445.

ICS 212/POL SCI 212—INTRODUCTION TO PUBLIC ADMINISTRATION* **3 hours; 3 credits**

Nature of public bureaucracies. Management techniques in business and public sectors contrasted. The political context of public administration. Failure of delivery of administrative services in the inner city. Problems of entry of members of minority groups into middle and upper levels of public administration structures. The "modern" behavioral approach to public administration studies, including applications of organization and decision-making theory, cost-benefit analysis and incremental policy development and implementation.

ICS 216/POL SCI 216—STATE AND LOCAL GOVERNMENT* **3 hours; 3 credits**

Emphasis on the federal system context and upon administrative and political decentralization, with special reference to the inner city. Fiscal aspects of state, federal and local relationships and the changing nature of such relationships. Techniques for citizen influence on the political process, especially in terms of needs of inner cities. Problems of rural and "suburban" political power in relation to urban political power and especially the inner city.

ICS 314/SOC 314—PUBLIC BUREAUCRACY **3 hours; 3 credits**

The course will deal with the origins, nature and function of modern bureaucracy, with an emphasis on the United States. The relationship of bureaucracy to all phases of contemporary life and particularly to the poor and dependent, will be examined and some possible alternatives to present bureaucratic structures will be considered.

ICS 397.05—FIELDWORK/INTERNSHIP **1 to 6 credits** (For description see Anth 397.)

ICS 425/POL SCI 425—PUBLIC ADMINISTRATION IN THE CONTEXT OF THE INNER CITY* **3 hours; 3 credits**

Problems associated with effective delivery of public administration services in inner cities. It will consider means by which inner city residents can obtain appropriate services from city, state, and federal agencies. The involvement (or lack of involvement) of minorities in public administration in terms of policy-making and policy execution and the prospects for inner city autonomy will also be discussed.

ICS 498/499.05—SENIOR SEMINAR ON YOUTH **3 hour Seminar; 3 credits**

3 hour Thesis; 3 credits
6 hour Extended Thesis; 6 credits

(For description see Eco 498/499.)

*Pending approval by the Board of Higher Education

ADDITIONAL COURSES (Applicable to any cluster)
(See also ICS 201, 206; Hist 221)

**ICS 391—MIGRATION INTO NEW YORK CITY I—
BLACKS FROM THE SOUTH*** **3 hours; 3 credits**

A study of the social, economic and political conditions in the southern states which have prompted large scale migration of Blacks from the South into New York, and an examination of conditions in New York which have attracted such immigration; consideration of the scale and timing of such immigration and its impact upon New York and upon the immigrants themselves.

**ICS 392—MIGRATION INTO NEW YORK CITY II—
PUERTO RICANS*** **3 hours; 3 credits**

A study of the social, economic and political conditions in Puerto Rico which have prompted large scale migration of Puerto Ricans into New York, and an examination of conditions in New York which have attracted such immigration; consideration of the timing and scale of such immigration and its impact upon New York and upon the immigrants.

ICS 393—MIGRATION INTO NEW YORK CITY III—WEST INDIANS*
3 hours; 3 credits

A study of the social, economic and political conditions in the West Indies which have prompted large scale migration of West Indians into New York; an examination of conditions in New York which have attracted such immigration; consideration of the timing and scale of such immigration and its impact upon New York and upon the immigrants themselves.

POLITICAL SCIENCE

Prerequisites: Pol Sci 101 and 202 serve as the basic introductory courses and either one is a prerequisite for admission to any other Political Science course.

COURSE DESCRIPTIONS

POL SCI 101—INTRODUCTION TO POLITICAL SCIENCE
3 hours; 3 credits

Basic concepts in political science including the nature of political power; definitions of basic terms; major political systems; approaches used in the study of political science, such as constitutional and behavioral; scope of political science.

POL SCI 202—INTRODUCTION TO AMERICAN GOVERNMENT
3 hours; 3 credits

The constitutional framework of the U.S. political system, with special attention to the relationship between cities, states, and National government in the Federal system; the relations between the Presidency, Congress, and the Supreme Court; the nature of the American political party system and of the workings of pressure and interest groups; relationship between the American social, economic, and political systems. Contemporary issues in American Government.

*Pending approval by the Board of Higher Education

POL SCI 205—INTRODUCTION TO COMPARATIVE GOVERNMENT*
3 hours; 3 credits

Focuses on the political systems of selected nations in Western and Eastern Europe and in developing areas. Considers the impact of the economic system on political system and vice versa. Discusses political culture as a variant in comparative analysis.

POL SCI 210—INTRODUCTION TO INTERNATIONAL RELATIONS
3 hours; 3 credits

The basis of relationships between nations; the role of regional and world-level international organizations and of international law in international relations. Basic considerations underlying the development of blocs; theories of the international system; contrasts between Third World and major powers in regard to conception of international relations.

POL SCI 212/ICS 212—INTRODUCTION TO PUBLIC ADMINISTRATION*
3 hours; 3 credits
 (For description see ICS 212.)

POL SCI 216/ICS 216—STATE AND LOCAL GOVERNMENT*
3 hours; 3 credits
 (For description see ICS 216.)

POL SCI 224—THE THIRD WORLD IN WORLD POLITICS*
3 hours; 3 credits

The emergence of a third world movement in the post-World War II period; the concept of non-alignment. Impact of the Third World movement on international politics generally and upon the major powers in particular. Third World challenges to the prevailing assumptions of the international legal, political, and economic systems.

POL SCI 303/ICS 339—GOVERNMENTAL POLICY AND COMMUNITY DEVELOPMENT
3 hours; 3 credits
 (For description see ICS 339.)

POL SCI 304/HIST 304/SOC 304—HISTORY OF SOCIAL AND POLITICAL INSTITUTIONS*
3 hours; 3 credits
 (For description see Hist 304.)

POL SCI 305/ICS 343/SOC 311—URBAN SOCIAL AND POLITICAL STRUCTURE*
3 hours; 3 credits
 (For description see ICS 343.)

POL SCI 307—IMPERIALISM AND NATIONAL POWER
3 hours; 3 credits

The factors underlying the development of the nation, state, and the quest for economic domination. Emphasis upon contemporary imperialism. Methods of imperialistic domination.

*Pending approval by the Board of Higher Education

POL SCI 310—TODAY'S POLITICAL WRITINGS AND LITERATURE* **3 hours; 3 credits**

The study of current topics such as the technological revolution, the population explosion, the possibility of world famine, problems of governmental interference in private life, in literary works which deal with the implications of current trends.

POL SCI 312—THE DEVELOPMENT OF AFRO-AMERICAN POLITICAL THOUGHT* **3 hours; 3 credits**

Discussion of philosophies of Frederick Douglass, Dubois, Booker T. Washington, Garvey, Martin Luther King, Stokely Carmichael, Malcolm X, and other figures in Afro-American political thought, as well as analysis of contemporary trends in Black American political thought.

POL SCI 314—AFRICAN POLITICAL SYSTEMS* **3 hours; 3 credits**

An introduction to the political system of the nation-states of sub-Saharan Africa. The evolution of political systems; problems of independence and nation-building; single party and multi-party systems; African Socialism and Pan African movements; liberation movements.

POL SCI 318—CARIBBEAN AND LATIN AMERICAN POLITICAL SYSTEMS* **3 hours; 3 credits**

Introduction and overview; focuses on selected areas in the Caribbean, especially Puerto Rico, the former British areas, and Cuba as well as on one or more mainland Latin American entities. Problems of big power domination, trends in ideological development, and in economic-political relationships among Caribbean and Latin American nations.

POL SCI 328—INTERNATIONAL RACE RELATIONS* **3 hours; 3 credits**

Analysis of developments in international relations from the perspective of inter-ethnic relations. "White"- "Black" relations in Africa, especially Southern Africa, and the alignments of various world powers in respect to Southern Africa liberation movements. Views as to international stratification along ethnic lines and class lines will be considered, as well as the impact of ethnic groups upon the foreign policies of various nation-states. Prerequisite: Pol Sci 210.

POL SCI 332/SOC 332—INTRODUCTION TO POLITICAL SOCIOLOGY* **3 hours; 3 credits**

A course focusing on utilization of sociological, anthropological and psychological techniques of analysis in the field of politics. Considers the development of political sociology as an area bridging the disciplines of sociology and politics.

POL SCI 336—INTRODUCTION TO U.S. CONSTITUTIONAL LAW* **3 hours; 3 credits**

Study of selected U.S. Supreme Court decisions which have been influential in determining the applicability and meaning of the U.S. Constitution. Emphasis will be given to the historical development of the Court, including judicial review and the role of the bench in such areas as civil rights.

*Pending approval by the Board of Higher Education

POL SCI 338—CONSUMER AND POVERTY LAW* 3 hours; 3 credits

(Jointly with Division responsible for Business Studies)

The evolution of techniques for enhancing consumer protection, the legal right of the consumer, his awareness of these legal rights, the evolution of ombudsman techniques, the administration of the law.

POL SCI 340—POLITICAL AND SOCIAL MOVEMENTS IN THE AMERICAS 3 hours; 3 credits

A discussion of the philosophical and ideological issues around which social and political movements evolve and the political impact of these movements. Readings will focus around such movements as The Chicano, Civil Rights, Student, and Black Liberation. Readings will include essays by Salazar, Savio, Malcolm X, Rustin, Fanon, Marcuse, St. Clair Drake.

POL SCI 393/HIST 393/ICS 393—HISTORY OF WESTERN POLITICAL THOUGHT 3 hours; 3 credits

(For description see Hist 393.)

POL SCI 394/HIST 394—POLITICAL THEORY FROM ROUSSEAU TO THE PRESENT TIME* 3 hours; 3 credits

(For description see Hist 394.)

POL SCI 397—FIELDWORK/INTERNSHIP 1 to 6 credits

(For description see Anth 397.)

POL SCI 401—POLITICAL PROCESSES 3 hours; 3 credits

An analysis of city, state, and federal policy formation, with emphasis upon ways in which the resources of government may be used in promoting desired social change. Bureaucracies, policy formation and implementation. The course will relate to problems of education, health, and other aspects of urban planning and social legislation.

POL SCI 403—PUBLIC ADMINISTRATION IN DEVELOPING NATIONS* 3 hours; 3 credits

This course will focus on the problems of developing nations and enhancing the capacities of their governmental bureaucracies in relation to economic, social and political development. The impact of the British, French, and other colonial powers on the structuring of public administration in former colonies will be considered, as well as the efforts of leaders of the new nations to fashion approaches to administration.

POL SCI 406—SOCIALIST POLITICAL SYSTEMS* 3 hours; 3 credits

Introductory consideration of the development of socialist thought; analysis of the political systems of several socialist states, such as the U.S.S.R. and China, and those which are based upon either "democratic socialism" or models between democratic socialism and Marxist-Leninism.

POL SCI 425/ICS 425—PUBLIC ADMINISTRATION IN THE CONTEXT OF THE INNER CITY* 3 hours; 3 credits

(For description see ICS 425.)

*Pending approval by the Board of Higher Education

PSYCHOLOGY

Prerequisites: Psychology 101 is a prerequisite for all psychology courses. Admission to 400 level courses is open only to persons who have completed at least two courses in Psychology. Except with the permission of the instructor, admission into Psych 318 shall be possible only for those persons who have completed Psych 317.

COURSE DESCRIPTIONS

- PSYCH 101—INTRODUCTORY PSYCHOLOGY** **3 hours; 3 credits**
Introduction to several basic areas of study within psychology, including particularly concepts of perception, motivation, personality, learning, abnormal behavior and social psychology.
- PSYCH 213—SOCIAL PSYCHOLOGY** **3 hours; 3 credits**
This course will survey the general concepts of social psychology as well as specific topics in the field. Material covered will include but will not be limited to the methods of social psychological research, socialization, attitude formation and change, social influence, inter-personal processes.
- PSYCH 215—THEORIES OF PERSONALITY** **3 hours; 3 credits**
Presentation and analysis of the major theories of personality with regard to emphasis, scope and assumptions; socio-environmental influence on personality formation and the adequacy of theoretical assessment.
- PSYCH 223—THE PSYCHOLOGY OF BLACKNESS** **3 hours; 3 credits**
Utilizing the principles of human behavior in assessing the unique development of the Black man vis-à-vis his counterparts within western culture. An examination of Black awareness, including the historical development of the Black man's self-concept; the psychic, emotional and spiritual requirements of self-enhancement and self-realization in a slave-based exploitative society. Case studies in the role of Black man, woman, and child will be examined.
- PSYCH 301—ABNORMAL PSYCHOLOGY** **3 hours; 3 credits**
Facts and theories about the etiology of mental disorders; consideration of deviations commonly found in the school population, such as mental retardation and delinquency; the impact of social and economic distress upon the frequency and manifestations of disturbance.
- PSYCH 305—THEORIES OF LEARNING** **3 hours; 3 credits**
Theories of learning and motivation with special consideration of environmental influences. Examination of the learning process and methods of facilitating learning and cognition.
- PSYCH 309/ICS 331—CHILD DEVELOPMENT** **3 hours; 3 credits**
(For description see ICS 331.)
- PSYCH 311/ICS 333—ADOLESCENT SOCIALIZATION** **3 hours; 3 credits**
(For description see ICS 333.)

*Pending approval by the Board of Higher Education

PSYCH 317/318—EXPERIMENTAL PSYCHOLOGY I & II**3 hours; 3 credits**

This course is concerned with experimental design and the methods and techniques of experimentation. The first section of the course shall be devoted to an introduction to experimental psychology and an introduction to the statistics required. In the second section, students will design and carry out experiments in various areas of psychology (e.g. learning, memory, etc.). (Admission to Psych 318 shall be obtained only by permission of the instructor.)

PSYCH 321—PERCEPTION**3 hours; 3 credits**

Construction of sensory mechanisms and theoretical explanations of how man experiences his visual world. Topics to be examined include color, attention and extra-sensory perception.

PSYCH 397—FIELDWORK/INTERNSHIP**1 to 6 credits**

(For description see Anth 397.)

PSYCH 403—PSYCHOLOGY OF OPPRESSION**3 hours; 3 credits**

The psychological implications and consequences of class and caste structures; character of submission and rage, superiority and fear; consequences for the dynamics of social and individual conflicts.

PSYCH 404—PSYCHOLOGY OF RACE**3 hours; 3 credits**

An in-depth analysis of the psychological basis of racism; the development of concepts of inferiority and superiority; an examination of the common racial myths and rationalizations presented in psychological literature.

PSYCH 405—TECHNIQUES OF PSYCHOTHERAPY AND COUNSELING**3 hours; 3 credits**

Methods and goals of individual and group psychotherapy with particular attention to counseling, family therapy and community work. Directive and non-directive counseling in training of mental health practitioners.

PSYCH 427—PSYCHOLOGY OF SOCIAL CHANGE**3 hours; 3 credits**

An in-depth psychological look at the origin and nature of selected social problems in the U.S. A consideration of the possibilities and barriers for social change.

*Pending approval by the Board of Higher Education

SOCIOLOGY

Prerequisites: Sociology 101 is a required course for all other courses in Sociology. The 400 level courses are open only to those persons who have already completed at least one 200 level course. For entry into Sociology 444 at least three Sociology courses must have been completed.

COURSE DESCRIPTIONS

SOC 101—INTRODUCTION TO SOCIOLOGY **3 hours; 3 credits**

(Prerequisite to all Sociology courses)

This course will familiarize the student with the basic concepts in sociology and develop his appreciation of the nature and scope of the discipline. Emphasis will be centered on the critical importance of human interaction, inter- and intra-group relations, cultural relativity, the process of socialization, race, caste and class stratification and on sex, age and other bases of differentiation. The structure of social organization and of institutions and the nature of power, authority, and status will be analyzed, as well as the problem of social change.

SOC 202—THE AFRICAN-AMERICAN FAMILY* **3 hours; 3 credits**

In this course students will investigate and trace the functions, structures, and relationships of the Black family from its traditional African roots to the present. Major factors and events which have affected African-American family patterns and continuity will be studied.

SOC 206—COMPARATIVE FAMILY STRUCTURES* **3 hours; 3 credits**

A comparative survey and analysis of institutional family patterns in various societies; of family organization in relation to social structure viewed in cross-cultural perspective. Some of the family systems of Africa, Asia, Latin America, Europe, and the United States will be examined in this course.

SOC 209/ICS 209—URBAN LIFE STYLES **3 hours; 3 credits**
(For description see ICS 209.)

SOC 210—SOCIAL PROFILES OF AMERICAN REGIONS*

3 hours; 3 credits

A regional analysis of American society in terms of the prevailing ideologies, customs, socio-economic systems, race and ethnic composition, etc. Problems indigenous to each area and their relationship to the larger society will be explored.

SOC 211—SOCIAL PROFILES OF AFRICAN COMMUNITIES*

3 hours; 3 credits

The course will focus on selected African societies and examine their systems of social organization, the controlling institution and stresses resulting from class, ethnic group, race, religious and other differences. Effects and residues of the colonial experience will also be considered.

*Pending approval by the Board of Higher Education

SOC 212—SOCIAL PROFILES OF CARIBBEAN SOCIETIES***3 hours; 3 credits**

A sociological examination of several Caribbean societies, such as Haiti, Dominican Republic, Guyana and Trinidad, with a special emphasis on ethnic and social class relationship and on the consequences of colonization.

SOC 215—SOCIAL PROFILES OF PUERTO RICAN COMMUNITIES***3 hours; 3 credits**

A sociological analysis of Puerto Rican society and the Puerto Rican experience at home and abroad (in the U.S.). The Puerto Rican family, class and value systems will be explored and the effects of colonial contacts and of the various migrations will be traced.

SOC 216—SOCIOLOGY OF RACE AND ETHNICITY 3 hours; 3 credits

An analysis of the basic sociological concepts of race and race relations with special emphasis on selected ethnic and racial groups in the U.S.A.

SOC 218—SOCIAL DEMOGRAPHY***3 hours; 3 credits**

A study of population characteristics, trend in population growth and pressure, causes and effects of migration and of population policies (eugenics, birth control, etc.). The focus will be on the study of demography in relation to the economic and political potential for change in both the developed and the developing countries.

**SOC 220/ICS 220—INTRODUCTION TO CASEWORK/
GROUP WORK****3 hours; 3 credits**

(For description see ICS 220.)

SOC 302—SOCIAL STRATIFICATION***3 hours; 3 credits**

An analysis of contemporary society in terms of the structure and function of its ideologies and institutions and of the system of stratification into elites, castes or classes on the basis of race, wealth, status, power, sex, age, etc. A study of the social mechanisms regulating relations between these social strata and groups.

SOC 303/ICS 335—SOCIAL DEVIANCE**3 hours; 3 credits**

(For description see ICS 335.)

**SOC 304/HIST 304/POL SCI 304—HISTORY OF SOCIAL
AND POLITICAL INSTITUTIONS*****3 hours; 3 credits**

(For description see Hist 304.)

SOC 307/ICS 332—SOCIALIZATION OF THE URBAN CHILD**3 hours; 3 credits**

(For description see ICS 332.)

*Pending approval by the Board of Higher Education

SOC 308—SOCIOLOGICAL THEORY 3 hours; 3 credits
Introduction to the major sociological theories and their socio-political implications. (Current sociological theory developments will be studied.) Students will compare and evaluate the analytical and conceptual contributions of the sociological theorists.

SOC 309/310—SOCIAL CHANGE & REVOLUTIONARY MOVEMENTS I & II* 3 hours; 3 credits
The first section of this course focuses upon the methods, objectives and the relative strength of a range of strategies employed to redress the unfavorable balance of power between sub-groups in American society. Some of the strategies examined will include boycotts, passive resistance, propaganda, pressure groups, lobbying, and revolution.

The second section deals with the etiology of revolutionary movements; the class basis and social pre-conditions for effective reformist and revolutionary organizations. Phases and elements common to all revolutions will be identified, strategies for successful struggles and examples of such movements in various countries will be examined.

SOC 311—URBAN SOCIAL AND POLITICAL STRUCTURE* 3 hours; 3 credits
(For description see ICS 343.)

SOC 312—PUBLIC OPINION AND MASS MEDIA* 3 hours; 3 credits
This course will deal with the basic processes of public opinion formation, the role of group and cultural factors in shaping thinking on public issues, the manipulation of public opinion and the use and misuse of public opinion studies. The emphasis will be on the role of the mass media in all these processes, with special attention to issues of race and ethnicity in the U.S.

SOC 314—PUBLIC BUREAUCRACY 3 hours; 3 credits
(For description see ICS 314.)

SOC 320/ICS 320—INTERMEDIATE CASEWORK* 3 hours; 3 credits
(For description see ICS 320.)

SOC 321/ICS 321—INTERMEDIATE GROUP WORK* 3 hours; 3 credits
(For description see ICS 321.)

SOC 332/POL SCI 332—INTRODUCTION TO POLITICAL SOCIOLOGY* 3 hours; 3 credits
(For description see Pol. Sci. 332.)

*Pending approval by the Board of Higher Education

- SOC 336/ICS 336—POLICE AND THE PENAL SYSTEM** 3 hours; 3 credits
(For description see ICS 336.)
- SOC 340/ICS 340—SELECTED PROBLEMS IN COMMUNITY DEVELOPMENT** 3 hours; 3 credits
(For description see ICS 340.)
- SOC 397—FIELDWORK/INTERNSHIP** 1 to 6 credits
(For description see Anth 397.)
- SOC 401/ICS 445—COMPLEX ORGANIZATIONS*** 3 hours; 3 credits
(For description see ICS 455.)
- SOC 402/ICS 457—COMMUNITY ORGANIZATION** 3 hours; 3 credits
(For description see ICS 457.)
- SOC 403—THEORIES OF SOCIAL CHANGE*** 3 hours; 3 credits
The course will introduce students to some of the major theorists of social change, such as Spencer, Marx, Weber, Durkheim, Merton, Linton, and Fanon. The course will also deal with some of the anticipated and unanticipated consequences of societal innovations and developments, e.g. social dislocation, disorganization, deviance, and counter cultures among others.
- SOC 406/ICS 457—THE DYNAMICS OF URBAN IMPROVEMENT PROGRAMS*** 3 hours; 3 credits
(For description see ICS 458.)
- SOC 407—IDEOLOGY OF BLACK NATIONHOOD*** 3 hours; 3 credits
The elements of the social system which have generated the concept of Black nationhood in the U.S.A. The goals and philosophy of nationhood; the processes and difficulties involved in the realization of such goals.
- SOC 410—THE ROLE OF THE CHURCH IN THE BLACK COMMUNITY*** 3 hours; 3 credits
An intensive study of the historical roots, development, influence, ideology, and total function of the church in the Black community in America. The role of religion as an instrument of protest, escape mechanism, emotional outlet, focal point of political organizing and of social life will be analyzed.
- SOC 413—COLLOQUIUM ON SOCIAL CHANGE*** 3 hours; 3 credits
A macro-social comparative and interdisciplinary analysis of the processes of social change resulting from or leading to urbanization, including changes in motivation, values and political, economic and communication systems. The implications of such changes for other areas of institutional behavior will be explored.
- SOC 444/HIST 444—SEMINAR IN AFRICAN STUDIES*** 3 hours; 3 credits
(For description see Hist 444.)

*Pending approval by the Board of Higher Education

HEALTH AND PHYSICAL EDUCATION PROGRAM

With the objectives of satisfying the health needs and interests of our students, the Department of Health and Physical Education provides a diversification of course offerings in health instruction and physical activities. The Department also directs a varsity program and coordinates a wide range of intramural activities.

The health instruction courses cover various aspects of personal, school and community health. Courses such as *Alcohol, Tobacco and Drugs* and *School and Community Health* are strongly recommended for all students majoring in education.

The physical activity courses are being developed with an emphasis on developing skills and interests in activities that may be utilized many years after leaving college. Such courses presently being offered include *Swimming For Beginners, Hand To Hand Defense, Dual and Individual Sports, Bowling and African Dance*. Plans are underway to increase the course offerings in this area. *Elementary Movement Experiences* is a course designed for elementary education majors.

A pre-degree program for aspiring health and physical education major is presently being explored.

There is presently a varsity basketball team which competes against many four-year colleges in the metropolitan tri-state area. A track team and club activities in women's volleyball, swimming and bowling are being developed.

Intramural programming has been designed to provide recreational activities and informal instruction in such interest areas as softball, dance, martial arts, water polo, handball, ping pong, and volleyball. Competitions take place in most of these areas on a seasonal basis.

COURSE DESCRIPTIONS

DANCE 251—AFRICAN DANCE I

4 hours, 2 credits

A survey of the cultures and dances of selected African peoples; some attention is also given to the influences of their dance styles on the dances of the African descendants in the New World. Performance is an integral part of this course.

HEALTH 215—SCHOOL AND COMMUNITY HEALTH

3 hours; 3 credits

Health services; healthful school environment and health instruction as school and community responsibilities. Relationship between school and community health programs.

HEALTH 216—PERSONAL HEALTH

2 hours; 2 credits

Scientific study of healthful living. Emphasis given to current research and prevalent health problems, including mental health, family living, and drugs.

HEALTH 311—ALCOHOL, TOBACCO, AND DRUGS 3 hours; 3 credits

The use and abuse of alcohol, tobacco, and drugs. Emphasis on the physiological, psychological, and social effects.

HEALTH 312—HUMAN SEXUALITY 3 hours; 3 credits

Physiological, psychological, and social aspects of human sexual development and function.

PHYS ED 127—SWIMMING I 2 hours; ½ credit

Basic course. Emphasis on instruction in fundamentals of water safety, floating, and resuscitation. Instruction and practice in each of the following: crawl, backstroke, breaststroke, and elementary forms of diving. American Red Cross Certificate issued to all who pass this course. (Men and women).

PHYS ED 128—SWIMMING II 2 hours; ½ credit

Intermediate swimming. Instruction in basic survival swimming techniques. Emphasis on form and endurance in the following: crawl, back crawl, sidestroke, and breaststroke; fundamentals of springboard diving; and racing turns. Red Cross Certificate issued to all who pass this course. (Men and women.) Prerequisite: Phys Ed 127.

PHYS ED 131—DEVELOPMENTAL ACTIVITIES 2 hours; ½ credit

Individual physiological improvement through weight training, circuit training, and isometric and circulo-respiratory exercises. (Men only).

PHYS ED 133—FUNDAMENTALS OF TEAM SPORTS**2 hours; 1 credit**

Analysis and practice of the fundamental techniques and strategies of touch football, basketball, and volleyball. Fall semester. (Men only).

PHYS ED 141—FUNDAMENTALS OF TEAM SPORTS**2 hours; 1 credit**

Analysis and practice of the fundamental techniques and strategies of basketball, volleyball, and speedball. Fall semester. (Women only).

PHYS ED 211—ELEMENTARY MOVEMENT EXPERIENCES**2 hours; 1 credit**

Study and organization of movement experiences adaptable to various age levels; movement exploration, games, rhythmic activities, and athletic events. Strongly recommended for all elementary education majors.

PHYS ED 223—BOWLING**2 hours; 1 credit**

Analysis and practice of the fundamental techniques of bowling. (Co-educational).

PHYS ED 225—FOUNDATIONS OF PHYSICAL ACTIVITY**3 hours; 2 credits**

Survey of physiological, psychological, and sociological aspects of physical activity in modern society. Evaluation of various aspects of student physical fitness. Instruction in movement skills, body mechanics, and methods of maintaining and improving physical fitness. Student guidance in determining physical activities suited to need and interests in adult life. (Men and women).

PHYS ED 228—FUNDAMENTALS OF DUAL AND INDIVIDUAL SPORTS**2 hours; 1 credit**

Analysis and practice of the fundamental techniques in badminton, track, field, and gymnastics. Spring semester. (Men and women).

PHYS ED 235—BOXING AND HAND TO HAND DEFENSE**2 hours; ½ credit**

Basic blows, throws, and defenses. Applications of these skills to competitive situations.



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