

MARIST COLLEGE

CATALOG 1971-1972



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POUGHKEEPSIE, N. Y. 12601

A Liberal Arts College for Men and Women

Programs for the Year 1971-1972

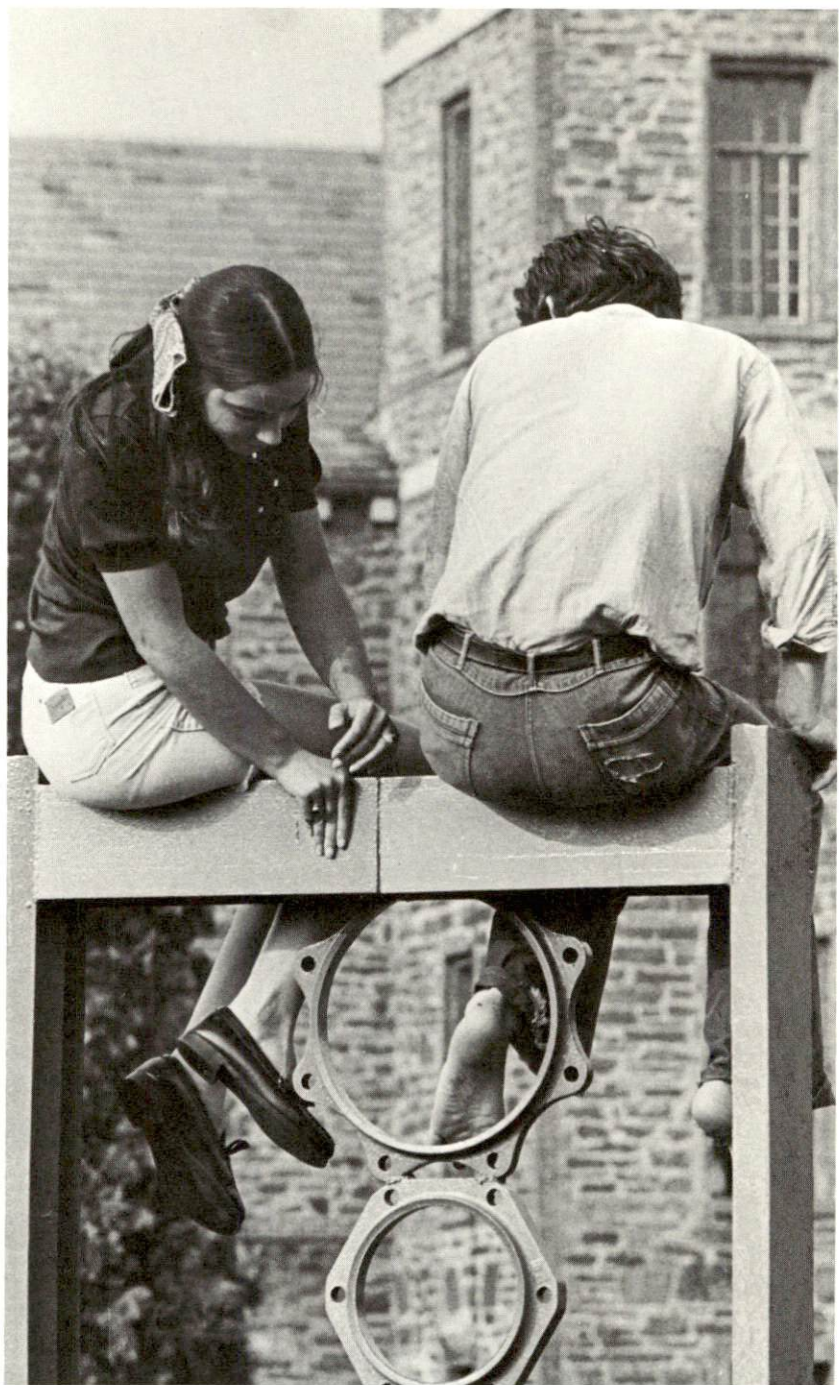


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(Photos by Richard Brummett)

Academic Calendar—1971-72

EVENING SUMMER SESSION

1971

April 26-29	Monday- Thursday	Summer 1971 registration
June 9-10	Wednesday- Thursday	Summer 1971 registration
June 14	Monday	Evening classes begin. Classes meet every Monday and Wednesday or Tuesday and Thursday.
June 21	Monday	Last date to drop a course and receive full tuition refund.
June 28	Monday	Last date to drop a course with ½ tuition refund.
July 5	Monday	Last date for dropping courses without penalty of failure.
August 4-5	Wednesday- Thursday	Semester examinations given in regular classrooms during regular class hours.
August 5	Thursday	Summer session ends.

FALL SEMESTER

1971

August 31	Tuesday	Inauguration of academic year.
September 1	Wednesday	Classes begin.
September 10	Friday	Last date for late registration, change of courses and course sections, ½ tuition refund after this date.
September 22	Wednesday	No tuition refund after this date.
October 4	Monday	Service charges are assessed on unpaid balances as of this date.
October 11	Monday	Holiday
October 13	Wednesday	Last date for dropping courses without penalty of failure.
October 19	Tuesday	Convocation
October 27	Wednesday	Mid-term grades are due.
October 29	Friday	Last date for payment of fees.
November 8-12	Monday- Friday	Spring 1972 registration
November 23	Tuesday	Thanksgiving Recess begins after last class.
November 29	Monday	Classes resume.
December 15-18	Wednesday- Saturday	Exams
December 18	Saturday	Fall semester ends.

SPRING SEMESTER

1972

January 17	Monday	Classes begin.
January 26	Wednesday	Last day for late registration, change of courses and course sections; ½ tuition refund after this date.
February 7	Monday	No tuition refund after this date.
February 21	Monday	Holiday
February 25	Friday	Service charges are assessed on unpaid tuition balances as of this date.
February 28	Monday	Last date for dropping courses without penalty of failure.
March 13	Monday	Mid-term grades are due.
March 14	Tuesday	Convocation
March 20	Monday	Last date for payment of fees.
March 20–25	Monday– Friday	Fall 1972 registration
March 28	Tuesday	Spring recess begins after last class.
April 10	Monday	Classes resume.
May 8–11	Monday– Thursday	Exams
May 11	Thursday	Spring semester ends.
May 20	Saturday	Twenty-sixth Commencement

EVENING SUMMER SESSION

1972

April 24–27	Monday– Thursday	Summer 1972 registration
June 7–8	Wednesday– Thursday	Summer 1972 registration
June 12	Monday	Evening classes begin. Classes meet every Monday and Wednesday or Tuesday and Thursday.
June 19	Monday	Last date to drop a course and receive full tuition refund.
June 26	Monday	Last date to drop a course with ½ tuition refund.
July 5	Wednesday	Last date for dropping a course without penalty of failure.
August 2–3	Wednesday– Thursday	Semester examinations given in regular classrooms during regular class hours.
August 3	Thursday	Summer session ends.

This Is Marist

HISTORY

Marist is a liberal arts college for men and women founded by the Marist Brothers in 1929 to educate members of the order. By 1946, the school had achieved four-year status as a liberal arts institution receiving its permanent charter from the State of New York in 1950. In September, 1957, Marist began its break with the past by accepting 12 lay students. In the past few years, the freshman class has numbered close to 400 men and women. Such rapid increase in numbers has been made possible only by a ten-year building program that has resulted in a campus presently worth over 11 million dollars and supported solely by tuitions and gifts.

Although its expansion has been rapid, the Board of Trustees expects to limit the size of Marist to about 1500 full-time students. The Board feels this size is sufficient to maintain the extensive liberal arts program, yet retain the many virtues of a small college.

During the decade of 1960-1970, ownership of all land and buildings was gradually transferred from the Marist Brothers to the Marist College educational corporation. An independent Board of Trustees now supervises these assets and provides direction and control of the operation of Marist College.

LOCATION

Marist College, located one mile north of Poughkeepsie, New York, lies between the Hudson River and Route 9, the major north-south route east of the Hudson. The college is within two hours' ride from New York City by railroad, bus, or car. The Poughkeepsie station of the Penn-Central Railroad is less than five minutes' drive from Marist.

CAMPUS

The 100 acre campus contains an outdoor swimming pool, which can be converted to a skating rink, and waterfront facilities for sailing and crew activities. There are athletic fields, handball and basketball courts to support the intramural sports program. Leonidoff Field, in operation since the Fall of 1968, is used for varsity soccer and club football games.

LIBRARY

Marist's library is a member of the Southeastern (New York) Library Resources Council and through the Council shares many resources with public, college, and industrial libraries, which supplement the 70,000 volumes and 650 professional and cultural periodicals that are already a part of the college's growing permanent collection. The New York State Interlibrary Loan program for books and periodicals has been in use for several years. Through this program, teachers and students can make use of library resources throughout New York State.

With the help of a government grant, an Audio Visual Materials Center has been established in the library. Here the faculty and students can secure phonograph records, maps, tapes, art slides, moving pictures, and related material. The library also has microfilm readers and a 209 3M Book copier. Twenty-five periodicals, including *The New York Times*, are available on microfilm.

LANGUAGE LABORATORIES

Marist's two language laboratories are used both for group work and individual study. Text and tapes are available for basic courses in French, German, Italian, Russian, Spanish, as well as English for foreign students.

The use of the laboratory is required of all students registered in the basic language courses. However, the facilities are available to all students. Arrangements are available for Hudson Valley area residents to use the laboratory.

AUDIO VISUAL AND TELEVISION CENTER

The Audio Visual and Television Center is equipped with recording studio equipment and playback apparatus. Facilities for recording educational television off the air are available. Studio apparatus, including cameras and records, are used in preparing material to be used in the classroom. Audio Visual equipment is available to those who wish to experiment with the media. Portable apparatus is available for use outside of the studio. Arrangements for use of the facilities can be made with the Director. The facility is also utilized in the preparation of video tapes for classroom instruction, and is the origination point of all closed-circuit broadcasting.

COMPUTER CENTER

As part of Marist College's contemporary outlook, the Computer Center is available to the faculty and students during regular class hours and, upon request, at other times. Time will be reserved, upon application, to anyone who is familiar with the operations of the facility (Long periods of uninterrupted use for research usually are scheduled after regular hours). An IBM 1401 is used for administrative and instructional purposes. Through the addition of an IBM 2741 communications terminal, the processing power of a large computer is now available. Key punch consoles are available at all times for use of students and faculty. If the student prefers, he may leave programs and data cards at a receiving window for the computer staff to process. These are processed daily. FORTRAN, COBOL, APL, COURSEWRITER, and Autocoder languages may be used.

EVENING CLASSES

Courses are offered in the evenings during the fall and spring terms, as well as during the summer. These courses are specially scheduled for students pursuing a degree on a part-time basis. They are, however, also accessible to full-time students. Students following courses in the evenings and during summers may complete the requirements for the bachelor of arts degree with a major in English, history, mathematics, physics and chemistry and the bachelor of science degree in business. Students fully matriculated at other colleges frequently register for summer evening courses in order to accelerate their programs or to make up deficiencies. In either case, the permission of the home institution is required.

MEMBERSHIP AND APPROVAL

Marist College is chartered by the Board of Regents of the University of the State of New York and is accredited by the State Department of Education, and by the Middle States Association of Colleges and Universities. The college is also accredited by the United States Department of Justice for the training of foreign students. It has the approval of the State Approval Agency for Veterans' Education. The college is also approved for holders of New York State Scholarships, including Regents Scholarships, State War Service Scholarships, and Scholar Incentive Awards.

The college holds memberships in the Association of Colleges and Universities of the State of New York, the Commission on Independent Colleges and Universities, the American Association of Colleges for Teacher Education, and the Association of American Colleges.

Marist is also a charter member of the Associated Colleges of the Mid-Hudson Area (ACMHA). Marist College is a charter member of the Visiting Student Program sponsored by the Associated Colleges and Universities of the State of New York.

CAMPUS LIFE

Student activities (both co- and extra-curricular) at Marist reflect the college's primary objective: to encourage each student in the full development of his intellectual, spiritual, social, and physical capabilities.

Membership in any campus organization is open to all Marist students (except those which specify "by election only") who maintain a satisfactory academic record.

STUDENT GOVERNMENT

Student representation in decision making has been a tradition at Marist. Through their Student Government the student body is afforded a role in both administrative and academic policy making. Working closely with other student organizations, the student government disseminates information concerning vital issues to the student body and provides leadership in student affairs.

Among the organizations which are directly under the control of the Student Government are: Student Academic Committee, Athletic Committee, Food Committee, Yearbook, Newspaper, all clubs and student related organizations.

By cooperating with these groups, the Student Government is able to acquire an overall view of the day to day occurrences at Marist, and is, therefore, in a position to provide a broad perspective of Marist College. By opening the membership of these organizations to students of each class year, the Student Government is satisfying the needs of the general student body.

RESIDENT BOARD

The Resident Board is the official representative of the interests and opinions of Resident Students to the Administration on matters directly related to Resident Students. It likewise presents the views of the Administration to Resident Students.

The Board is composed of the Residence Director (ex officio), one Housemaster and seven elected resident students.

The Residence Board reviews House Council legislation and makes recommendations to the Administration concerning legislation and

activities of the various houses. It coordinates residence hall programming.

In discipline cases the Resident Board may act as an appeal board.

HOUSE COUNCIL

Each residence hall has an elected House Council similar to the Resident Board.

PUBLICATIONS

The Reynard: Marist College yearbook.

The Circle: campus weekly.

Mosaic: literary quarterly.

The Marist Journal of History: published by the Mu Zeta Chapter of Phi Alpha Theta.

HUMANITIES HOUSE

Humanities House is an experiment in living-learning. It groups together in Sheahan Hall all students wishing to enrich their college experience by organizing and running various cultural and intellectual activities related to the humanities.

Residence in Humanities House is by special application to the Director; it is open to freshmen as well as upperclassmen.

UPWARD BOUND PROGRAM

This program, established at the college in 1966 and partially funded by a grant from the U.S. Office of Education, enrolls 11th and 12th grade students from Dutchess and Ulster Counties. These students are those with intellectual or artistic ability who have not done well academically because of cultural or economic reasons. Upward Bound students are in residence at Marist College for six weeks during two summers and are then placed in colleges throughout the country.

Marist faculty members and undergraduates participate in the program as teachers and tutor-counselors respectively. Upward Bound students also meet regularly on the campus during the academic year follow-up. The program is operated in conjunction with Bennett College where 10th grade students are in residence.

RELIGIOUS ACTIVITIES

Marist provides a program of religious activities designed to meet the needs of the individual student, of student groups, and the college community as a whole. Religious counseling is available for students of various persuasions.

ATHLETICS

Marist's spacious campus, its newly built boathouse, and its location on the banks of the Hudson River provide advantages for a full athletic program.

The college offers a program of intercollegiate sports including crew, soccer, basketball, wrestling, cross-country, sailing, track, tennis, golf, and intercollegiate club football. The intramural program offers a variety of activities including handball, basketball, bowling, golf, softball, touch football, wrestling, cross-country, track, soccer, and sailing.

Throughout all levels of the program of physical education and athletics, the college emphasizes the physical, recreational and social values to be gained through active participation. With these educational values in mind, the college fosters a program that encourages as broad a student participation as possible in the physical education program and in intercollegiate and intramural sports.

General Academic Information

REGISTRATION

To encourage students to plan their programs in advance and to allow for a certain degree of course adjustment, Marist has an early registration period. For the exact date of registration, see the Academic Calendar in this catalog.

Approved changes in registration must be effected within the dates specified by the Academic Calendar. Changes in registration initiated by the student are subject to the change-of-program fee.

COURSE WITHDRAWAL AND COURSE CHANGES

The official forms provided by the Recorder's Office are required for changing courses or withdrawing from a course.

A student may change courses or a section of a course only during the first week of classes. If a student withdraws from a course during the first six weeks of the semester, the course is recorded on his permanent record with the notation 'W' (withdrew).

If a student withdraws from a course after the first six weeks of a semester, the course is recorded on his permanent record with the grade 'F' (failure).

WITHDRAWAL FROM THE COLLEGE

A student who withdraws from Marist must submit a letter of withdrawal to the Associate Dean for Student Academic Affairs of the College. In the absence of this letter, no statement of honorable withdrawal will be issued by the College.

TRANSCRIPT OF RECORD

An official transcript is one bearing the seal of the college and signed by the Registrar. Official transcripts of academic records are not given to students or graduates but will be sent directly to the college, professional school, government agency or business concern named by them.

To obtain a transcript a student or graduate should apply to the office of the Registrar. A fee of \$1.00 is charged for each transcript issued. No transcripts will be issued during the periods of registration, examinations or commencement.

ATTENDANCE

A college student's most meaningful experiences are achieved through the thoughtful considerations and discussions provoked by classroom lectures. Therefore, regular class attendance is a primary responsibility for all students. Failure to participate fully in classroom activity will result in a loss for the student. Absences from class for whatever reasons or duration do not free the student from the responsibility for the full content of the course and for all class assignments.

Responsible attendance requires communication between a student and a professor. This communication normally takes place in the classroom. When a student concludes that his physical presence is not required by the nature of the classroom activity and/or he has discovered a means for making progress within the scope of the course which equals or exceeds the chances offered by classroom presence, he should find frequent occasions for meeting his professor to offer evidence of his progress.

FACULTY ADVISERS

Seniors, juniors and sophomores will have as their advisers a faculty member from the department of their major field.

Freshmen are assigned a faculty adviser by the Associate Dean for Student Academic Affairs.

GRADING SYSTEM

A student receives both mid-term grades and final grades. However, only the final grades will appear on his academic record.

Grading is an objective measure of a student's mastery of a selected body of knowledge contained in a specific course. This mastery involves the elements of memory, understanding, and expression. Memory refers to retention of certain items of information. Understanding implies insight into the interpretation of these facts. This insight would include the meaning of the thing itself, its relationship with other things or data, and the ability to apply this information or data to new situations and problems. Expression is the ability to convey the assimilated knowledge to others.

In assigning a grade to a student, the instructor must function as in a courtroom: examine thoroughly all the evidence involved in the case, weight the evidence and make his decision on the basis of this evidence. In a similar way, the basis of the instructor's judgment is the concrete evidence the student himself provides. Formal examinations are only part of this evidence; questions asked by the student,

recitations, term papers, book reports, written and oral quizzes, the student's participation in class discussion—each sheds light on the student's development in mastering a subject and is therefore pertinent to the instructor's grade evaluation of the student.

The following, viewed in the light of the preceding statement, is the grading system:

C

To earn a C grade a student must be able to recall the basic elements of a course, understand the essential background and materials of a course, make application of the basic principles involved and express them intelligibly.

B

To earn a B grade a student must manifest all the qualities characteristic of a C student and in addition reveal a memory that encompasses more than the basic elements of a course; he has a more personal grasp of the principles of the course and perceives wider application of the principles. He can discuss the subject matter of the course with ease.

A

An A student is one who, in addition to all the qualities manifested by a B student, seeks mastery of a specified field by reason of his interest; he has initiative and originality in attacking and solving problems; he shows ability in rethinking problems and making associations and in adapting himself to new and changing situations; moreover, he has an appropriate vocabulary at his command.

D

A student who is deficient in some degree in any of these areas will earn only a D.

The grades of B+, C+ and D+ are used to indicate that a student has shown more than the usual competency required for that grade.

I

The temporary grade of I (Incomplete) may be given by an instructor when a student has not completed the requirements of the course at the end of the term for serious reasons beyond his control. It becomes the student's responsibility to resolve this grade within three weeks of the publication of final grades by completing course requirements as determined by the instructor. Failure to conform to this time limit results in a final grade of F. The grade of I is not assigned in a case where failure to complete course requirements on time is due to student delinquency.

W

This grade is assigned to a student who officially withdraws from a course during the first six weeks of a semester (see Academic Calendar for specific dates). Withdrawal after this period results in a grade of F. Exceptions may be made by the Associate Dean for Student Academic Affairs when circumstances warrant it.

F

The student has failed to show his mastery of the basic subject matter of the course.

NC (no credit)

This grade is received by a student who does not meet minimum course requirements in either of the following circumstances:

(1) He is exercising the pass-no credit option as described below

or

(2) Approval of the Academic Dean has been obtained by the course instructor to grade students in a particular course on this basis.

A student's cumulative index is in no way influenced by this grade.

P (pass)

This grade is awarded to a student who satisfactorily completes course requirements in either of the following circumstances:

(1) He is exercising the pass-no credit option as described below

or

(2) Approval of the Academic Dean has been obtained by the course instructor to grade students in a particular course on this basis.

The grade P entitles a student to credit for the course, but does not affect his cumulative index.

Pass-No Credit Option

A student may elect to pursue, on a pass-no credit basis, courses which are not being used to satisfy major field requirements. This option may be exercised for no more than one course each semester, and is subject to the instructor's approval. The student's request to exercise this option must be made within the first six weeks of the semester.

GRADE POINT INDEX

The quality point system is a measure of the excellence of a student's work. For the grade of A the student receives four times the number of semester hours of credit in his course; for the grade of B+

he receives three and one-half times the number; for a B he receives three times the number; for a C+ he receives two and one-half the number; for a C he receives twice as many; for a D+ he receives one and one-half as many; and for a D he receives the same number of quality points as semester hours of credit. For an F, P, or NC he receives no quality points.

The scholastic index is computed by dividing the total number of quality points by the total number of semester hours of credit attempted, excluding courses for which the grades of P or NC have been received.

A scholastic index of 2.0, equivalent to a C average, is the overall minimum requirement for good academic standing, for officership in most undergraduate organizations, and for promotion.

Without deviating from this general requirement the College recognizes that a freshman may encounter difficulties in adjusting to college life and college curriculum. Therefore, if a freshman obtains a minimum cumulative index of 1.7 for the two semesters of his freshman year, he will be allowed to continue as a student at Marist for the following year.

All students must have a minimum cumulative index of 2.0 at the end of sophomore year and must maintain a minimum cumulative index of 2.0 each semester thereafter.

ACADEMIC HONORS

The Dean's List, published twice a year records the names of those students who have achieved academic excellence in the previous semester. The list distinguishes between First Honors and Second Honors.

First Honors is awarded to a student with a scholarship index of 3.5 or higher for the semester. Second Honors is given the student with a scholarship index of 3.0 for the semester.

At commencement, three grades of honors are awarded to those graduates who have maintained a superior level of achievement during the entire undergraduate course.

Summa Cum Laude, or highest honors, awarded to those having a scholarship index of 3.85 and no grade below B for the four-year period.

Magna Cum Laude, or high honors, awarded to those having a scholarship index of 3.6 and no grade below C.

Cum Laude, or with honor, for those having a scholarship index of 3.0 or above.

FAILURES

Academic failures in required subjects must be made up either at Marist or elsewhere. The student choosing to make up his academic deficiencies at another college must have the written permission of the Registrar. If it is impossible for a student to obtain the precise course he needs, he may not substitute an equivalent without the permission of the Registrar.

DISMISSAL

Students who fail to meet minimum academic standards are subject to dismissal. A minimum cumulative index of 2.0 is required for good standing. The College recognizes the adjustment difficulties associated with the freshman year, and will permit freshmen, at the completion of their second semester, to continue on if they have accumulated a minimum 1.7 index. By the end of the fourth semester, however, the sophomore must have achieved the minimum cumulative index of 2.0, and this minimum must be maintained by the student for each successive semester.

Every student's academic standing is examined by the Associate Dean for Student Academic Affairs each semester. Cases calling for academic dismissal are reviewed by a faculty committee on academic standards.

The penalty of dismissal may also be imposed, after fair and appropriate procedures, upon students who seriously violate the regulations or the rights of the college community.

LEAVE OF ABSENCE

A student in good standing may take a leave of absence from the College for good reason. Leave of absence is ordinarily granted for no more than two semesters.

The Associate Dean for Student Academic Affairs should be consulted prior to leave-taking. If the leave is permitted formal notification of the leave of absence is made to the College by means of a form submitted to his office. Payment of the registration fee each semester is required for maintenance of status while on leave.

The Associate Dean should be notified of intent to return sufficiently in advance to allow for class and housing accommodation.

PROFICIENCY EXAMINATIONS

The College grants credit for College Proficiency Examinations (CPE) and the College Level Examinations (CLE) on an individual

basis. The acceptable grade and credit assignment shall be determined by the department concerned with the subject area in which credit is sought.

To cover administrative costs, the College will make a charge of \$10.00 for each credit accepted.

TRANSFER STUDENTS

A student who wishes to transfer to Marist from another college must meet the same requirements as a beginning student. In addition, he must submit, from each college attended, a statement of honorable dismissal or of good standing and an official transcript of courses completed and in progress.

Transfer of Credit. A student entering Marist may transfer credit for courses taken at other institutions under the conditions stipulated below.

(1) The course must be appropriate as judged by the Registrar. This is to say that the course must be consistent with the Marist College curriculum.

(2) Only those courses may be transferred in which a grade of C or better has been obtained. A.A. degree holders may transfer any course passed in fulfillment of the requirements for that degree. This does not apply to holders of the A.A.S. degree.

(3) Courses taken ten or more years prior to admission to Marist may not be transferred (except provisionally) until the completion of 30 credit hours at Marist with a minimum cumulative index of 2.0.

(4) Credit for upper level courses will not be given for two-year college courses.

(5) Courses transferred are not counted in the computation of the student's scholastic index at Marist.

Degree Requirements. To receive a degree from Marist, transfers from two-year colleges must complete at least 60 credit hours in residence. Transfers from four-year colleges must complete a minimum of 30 credit hours, including a minimum of 12 in the major field.

An evaluation of transfer credit will be mailed to each candidate for admission when all records are received. Any errors or omissions on this evaluation must be reported to the Registrar at once. No changes will be made after three weeks. No evaluations can be made between August 1 and September registration. A student who receives no evaluation must see to it that he does not take a course for which he may have transferable credit and that he has the necessary prerequisites for any course for which he registers.

NON-MATRICULATED STUDENTS

A student in regular attendance at another college may register for courses at Marist to make up deficiencies or accelerate his program. Such a student is required to have a statement from his Dean that he is in good standing and has permission to pursue courses at Marist College. A form containing this statement is available from the Office of the Registrar.

The College is also prepared to admit a limited number of qualified applicants who wish to take selected courses for credit but who do not wish to study for a degree at Marist College. Such applicants are subject to the usual admission requirements. Should such students subsequently decide to matriculate, they may apply no more than 12 credit hours taken prior to matriculating toward the degree.

Occasionally, a student wishing to study for a degree at Marist College but failing in some way to meet ordinary admissions requirements is permitted to take courses as a non-matriculated student. Upon completion of 12 credit hours with an average grade of C, the student may matriculate. Failing this, he requires the permission of the Associate Dean for Student Academic Affairs to continue further course work.

Student Services

CAMPUS LIVING

Basically, residence hall living is envisioned as a community. Communities grow at different rates; have different visions; purposes and means of achieving an end; but, the end is always the same: personal growth and maturation; a humanizing for interpersonal relationships and sensitivity; respect for laws and authority and lastly, but certainly not least, an atmosphere to express oneself in the most creative capacity of his talents and interests.

The students of each residence hall, in concert with their adult leaders, therefore, handle all matters concerned with life style. This implies not only legislating but also powers of enforcement and when necessary, penalization for infractions.

The residence halls hold a place of honor and are an integral part of the college experience at Marist. They are places where people grow through healthy interaction; in short, they are places where the Marist student learns to apply values to facts.

FRESHMAN ORIENTATION

Freshman orientation is a program designed to help new students overcome the difficulties they are most likely to meet in the transition from high school to college. It is initiated by a day spent on campus during the summer prior to entrance to meet with faculty members to discuss curricular opportunities and register for first semester courses. The orientation program continues during the fall semester with a program of talks and discussions designed to acquaint the student with campus opportunities and services.

PLACEMENT OFFICE

Placement is a student service function that assists students and alumni in the selection of work experiences by providing them with information and guidance as to employment opportunities and by furnishing materials with which to carry on employer contacts.

The three-fold aim of the office is: service to the student, service to the employer, and service to the institution.

The Office of Career Development is equipped with up-to-date employment information on approximately twelve hundred industrial and service institutions as well as current listings of part-time opportunities in the immediate area. Students are encouraged to take

advantage early of the resources at their disposal to prepare themselves for their future.

During the course of the year, the development program revolves primarily around the graduating student providing him with *information, guidance, on campus interviews with industry and government representatives, resume processing, and career counseling* with the Office of Career Development personnel.

Alumni are also being encouraged to utilize the services whenever the need arises. This is typical of the continual efforts on the part of the College to maintain good communications with alumni.

Through its Director, the Marist College Office of Career Development is represented in the Poughkeepsie Chamber of Commerce, the Dutchess County Guidance Association, and the Northeast Regional Placement Association of the College Placement Council.

STUDENT HEALTH

The College maintains on campus an infirmary which is located on the first floor in the East wing of Champagnat Hall. It is staffed by a registered nurse from 8:30 a.m. to 4:30 p.m., Monday through Friday. Emergency medication can be obtained at the infirmary, but for extended care, patients are required to purchase their own medications. Emergency cases requiring hospitalization are treated at St. Francis Hospital, located directly across the North Road from Marist.

The facilities of the infirmary are available to all students, faculty and staff.

The College provides student health insurance on an optional basis. Arrangements for health insurance can be made at the College Business Office. Medical expenses and drugs prescribed are the responsibility of the student.

OFFICE OF SERVICE PROGRAMS

The Office of Service Programs has been established to assist students with the successful completion of their duties, to help them formulate and achieve vocational goals, and to facilitate their overall personality development. Toward these ends, the Office of Service Programs provides personal counseling services primarily on an individual basis for students who request or require them. The services of the office are available to the entire student body and appointments can be made through the Director or his secretary.

VETERANS

Marist College has the approval of the State Approval Agency for veterans' education. Questions concerning veteran benefits should be referred to the students' local veterans agency office. The office of the Recorder also furnishes information and counsel about veteran benefits.

ALUMNI ASSOCIATION

The Marist College Alumni Association is the official representative of the alumni of Marist. Its purposes are to promote the welfare of Marist College and provide for the continuation of relationships formed in the College.

The Association publishes a newsletter regularly and, each year, sponsors Homecoming Day, during which Alumni return to spend a day on campus. There is also an annual fund-raising drive, the proceeds of which are gifted to the College.

The Marist College Alumni Association is a member of the American Alumni Council.

AUTOMOBILES ON CAMPUS

Freshman resident students are not allowed to have the use of a car. Sophomore, junior and senior resident students are permitted to have cars on campus; but the College does not assume responsibility. The use of cars by commuting students is at the option of the student. All cars must be registered with the Director of Security and must bear a parking decal. Regulations concerning parking on campus can be obtained at the Director of Security's Office.

COLLEGE BANK

To assist students in learning to operate checking accounts and to prevent large sums of money from being stored in dormitory rooms, the College maintains a campus bank at the Business Office. College bank checks may be cashed only on campus. Further information on the college bank may be obtained from the Business Office.

DRAFT REGISTRATION AND COUNSELING

Draft counseling is the collection, study and dissemination of all information regarding military service and the Selective Service system. In such a program the individual is provided counseling designed to assist him to make a responsible decision in the context of such

issues as the sovereign power of the nation-state and its obligations to secure the common good and the individual's view of justice and peace.

The experience of youth counselors around the nation indicates that neither young people nor their families are knowledgeable about their options, rights, or duties, regarding military service. The seriousness of the situation is heightened by the fact that the draft is one of the most severe conscience problems facing youth today.

It is the student's responsibility to discharge all requirements of the Selective Service. Information regarding the Selective Service system may be obtained at the Recorder's Office. The Recorder is an official Selective Service system registrar. Trained draft counselors are also available on campus for aid in dealing with the registrant's Selective Service problems.

FOREIGN STUDENTS

It is the responsibility of foreign students to maintain their passports, visas, and other documents in good order and up-to-date. The Foreign Student Adviser will assist in these and related matters. Information concerning these matters together with the more usual forms and certificate blanks are available at the office of the Registrar.

Special Studies and Programs

WORK-STUDY PROGRAMS

Work-Study Programs are designed to provide a learning experience for the student in an academically-oriented work setting under professional supervision. Programs available at Marist include: Psychology Supervised Work Experience, Work Internship in Political Science, Computer Internship, and Internship in Educational Administration.

Marist's course in Applied Topics in Science is a unique step in attempting to deal with contemporary environmental problems. It is aimed at educating people about the ecological problems in the area and involving them in working out solutions. Students involved in this program have already done important work in the Model Cities program and have worked with a local attorney in an investigation of Urban Renewal.

Because these programs vary in terms of eligibility, requirements, credit award, etc., further inquiry should be directed to the sponsoring agency.

INTERNSHIPS IN EDUCATIONAL ADMINISTRATION

During the internship, a student becomes thoroughly familiar with the policies of the college regarding admission of students, and has as his responsibility the recruiting of students from high schools in a given sector.

The reading and study content is drawn from Philosophy of Education, Tests and Measurements, Administration of Higher Education, Public Speaking, Personnel Services: a) Admissions, b) Financial Aid, c) High School Placement, d) Government and Education, as well as a bibliography directly related to modern issues in guidance and personnel work will be drawn up by the Admissions Office.

VISITING STUDENT PROGRAM

A student attending a college or university in New York State is eligible to study at another institution of his/her choice in the State. Advantages of this program include the perspective gained by getting to know other kinds of students, studying with another faculty, and experiencing the special qualities of urban, suburban or rural living. Over fifty colleges and universities participate in the Visiting Student Program. One of the things that makes the Program so unique is the remarkable diversity of the various schools. Some are large; some

small. Some stress the liberal arts; others offer specialized studies as well, and some concentrate on professional preparation in such specific fields as computer technology, music, and films. Collectively, these schools represent an extraordinarily rich educational resource. The Program puts them within reach by enabling a student to attend another institution in New York State for a semester or a year without a formal transfer.

Further inquiries about the Visiting Student Program for Colleges and Universities in the State of New York may be made at the Office of the Associate Dean for Student Academic Affairs. Application for the program should be made one semester in advance of the semester away.

CROSS REGISTRATION

Cross registration is a procedure that allows a student at any one of the A.C.M.H.A. colleges (Associated Colleges of the Mid-Hudson Area: Bard, Bennett, Dutchess Community, Marist, Mt. St. Mary, New Paltz, Vassar, and Ulster Community) to register for courses at any one of the other colleges (subject to space availability) through his home institution.

The courses taken via cross registration enjoy all the privileges accorded to courses taken at Marist. The host institution does not levy any tuition or fee charges upon a full-time Marist student. Marist requires a 2.5 cumulative index to qualify for cross registration and limits cross registration to courses not available at Marist. Approval of the Associate Dean for Student Academic Affairs is required.

Further inquiries about cross registration should be directed to his office. Cross registration is effected at the same time as regular registration at Marist.

FRANKLIN D. ROOSEVELT STUDIES

During the past several years, Marist College, in cooperation with the Franklin D. Roosevelt Library, has focused attention on the wealth of scholarly materials available at the Roosevelt Library. The Roosevelt era in American history has had a vital role in the shaping of American domestic and foreign policies over the past decades. Marist College further associates itself with the growing number of scholars who have written about these historic days of our recent past.

Annual Roosevelt Symposia have been held since 1965 to examine important events during Franklin Roosevelt's administration. Among the former New Dealers who have spoken at the symposia have been Justice William O. Douglas, appointed by F.D.R. to the Supreme

Court; Adolph A. Berle, Jr., former braintruster and Roosevelt's Assistant Secretary of State; James Roosevelt, son of the late President. Among the eminent historians who have delivered papers at the symposia have been Arthur M. Schlesinger, Jr., James MacGregor Burns, Frank Friedel, and William Leuchtenburg. Attending these Roosevelt Symposia have been hundreds of college history professors and high school social studies teachers from many eastern states.

A Franklin D. Roosevelt Summer Institute (6 credits) was initiated in 1966. This seminar-research course is coordinated at both Marist College (seminar) and the Roosevelt Library (research). A substantial research paper utilizing the Roosevelt papers is required. The Institute includes discussions with scholars actively engaged in research and surviving friends and acquaintances of President Roosevelt. Field trips are made to a number of places of historic interest in the Mid-Hudson area. Available photocopied documents and audio-visual aids are utilized.

During the regular academic year, a Franklin D. Roosevelt Seminar Course (3 credits) is offered. This topical seminar course allows undergraduate students the unique opportunity to utilize presidential papers and other pertinent manuscripts usually reserved for scholars and graduate students.

COOPERATIVE ENGINEERING PROGRAM

Marist College maintains a cooperative engineering program with the University of Detroit.

Interested Marist College students enroll in the physics-mathematics curriculum. Following completion of sophomore year, students may transfer to the College of Engineering of the University of Detroit and continue their studies toward the bachelor's degree in engineering.

During the three years at the University of Detroit the students divide their time equally between 13-week periods of attendance at the University of Detroit and alternative 13-week periods for training in the engineering industries. The purpose of the industrial training is to make the student familiar with engineering techniques and practices, and with the engineering environment. They are paid for their services, and their earnings enable them, on the average, to pay 75% of the cost of attending the University of Detroit in the upper three years, including living costs. At the end of the five-year course, students receive the B.E. degree from the University of Detroit.

Students considering this program should register with the coordinator of engineering education during their freshman year.

PRE-PROFESSIONAL PROGRAMS

Marist College offers courses in pre-legal, pre-dental, pre-medical, and pre-engineering education. Care should be taken by students to insure that prerequisite courses required by a professional school are included in their course of study. Students planning to enter medical or dental school should consult with the chairman of the Pre-Medical Advisory Council in the Department of Biology early in their freshman year.

Admittance to such schools is based upon a student's academic record and his performance on a qualifying examination. The mere fact of a student's taking a pre-professional program is no guarantee that he will be accepted in the professional school of his choice, nor is it a guarantee that he will receive the recommendation of Marist College.

The student who intends transferring to a professional school should notify the Chairman of the Natural Science Division of this intention as early as possible, so that a program may be drawn up which will be appropriate preparation for his intended professional school.

MARIST ABROAD PROGRAM

Marist College allows select students to spend their sophomore or junior year in a foreign country. The primary purpose is academic betterment. Cultural advantages are also considerable. While complementing one's own American background, study abroad provides the opportunity to gain an insight into another people's culture and civilization by direct personal contact.

Excellent study programs are available throughout the world. Inquiries are to be addressed to the Director of Marist Abroad Program as early as possible.

TEACHER EDUCATION

The program in Teacher Education at Marist College is designed to assist the student in preparing himself for a career as a secondary school teacher. It is under the direction of the college's Office of Teacher Education, made up of the Director of Teacher Education, the members of the Education Program, and the Committee on Teacher Education whose membership is drawn from the major disciplines of the College. This Office is responsible for the preparation of programs leading to state certification, the advisement and supervision of students who are enrolled in the program, the screening of candidates and the formulation of policy within the program.

Teacher Education is not a major field of the College, nor does it constitute a separate section. The objectives of the program do not differ from the general objectives of the College as listed in the catalog. Specifically, however, it seeks to provide for the prospective teacher:

1. A well-rounded professional and academic preparation which will be of value to him during the initial years of his professional career;
2. An intensive training in a major field, as well as in professional courses, which he may continue to build after his graduation from Marist;
3. The fulfillment of the requirements of the State Education Department of the University of the State of New York in those areas for which the College has received approval to train teachers.



COURSE CODES

In the pages that follow, each course is designated by a letter code, a number and a course title. Code letters denote subject areas and are given below. The number indicates a specific course and a specific course content. Although the course title may change from time to time, the number assigned to that course remains constant, provided that its content remains essentially the same. This publication gives the current course title associated with each course.

ACMH	Cross registration at member institutions
AAST	Afro Asian Studies
AMST	American Studies
ANTH	Anthropology
ART	Art
BIO	Biology
BUS	Business
CHEM	Chemistry
CMSC	Computer Science
ERSC	Earth Science
ECON	Economics
EDUC	Education
ENG	English
ENSC	Environmental Science
FREN	French
GERM	German
GRK	Greek
GRLT	Greek and Latin
HIST	History
ITAL	Italian
LAT	Latin
MATH	Mathematics
MUS	Music
PHIL	Philosophy
PHED	Physical Education
PHYS	Physics
POSC	Political Science
PSYC	Psychology
REST	Religious Studies
RUSS	Russian
SCI	Science
SOC	Sociology
SPAN	Spanish

Graduation Requirements

STATEMENT OF REQUIREMENTS FOR THE BACCALAUREATE DEGREE

The successful completion of courses totaling 120 credits is required for graduation. The distribution of these courses is described below under the headings, Major Field Requirements and General Course Requirements.

Major Field Requirements

Every student is required to major in an academic discipline or area, called the major field. The major fields available to students at Marist College are the following:

American Studies, Biology, Business, Chemistry, Economics, English, Environmental Science, French, History, Mathematics, Physics, Political Science, Psychology, and Spanish.

The requirements for the major field are listed separately for each. These requirements include:

CATEGORY 1.0 A specific number of credits in the academic discipline or area in which the major is being earned;

CATEGORY 2.0 A specific number of credits in academic disciplines or areas related to or supportive of the academic discipline in which the major is being earned;

CATEGORY 3.0 Proficiency and Other Requirements.

The requirements of each of the Categories 1.0 and 2.0 are formulated in terms of

- (a) those specific courses which must be taken by all majors;
- (b) other courses or groups of courses from which selections are to be made to complete the total credit requirement for that category. The selections may be completely free or restricted.

The requirements of Category 3.0 may include such elements as comprehensive examinations, standardized examinations, and theses or other major written work.

General Course Requirements

In addition to the courses designated under the Major Field Requirement the student is required to take an additional number of courses to complete the total credit requirement for graduation. There is no specific distribution stipulated by the faculty for the courses taken by a student to fulfill the General Course Requirements; the student is consequently at liberty to make his own choices. But because the faculty is conscious of its own responsibility for the education of each student at Marist it offers to students the following counsel:

(1) Each student should attempt to establish clearly in his own mind the educational goals that he is attempting to achieve as the outcomes of his college experience.

(2) His course choices should be related to the achievement of these goals.

(3) He should be aware that the background, professional training and experience of the faculty are resources which are at his disposal. It is strongly recommended therefore, that he seek out a faculty advisor to discuss with him his educational objectives and his plan of courses.

The Curriculum

AFRO ASIAN STUDIES

AAST 006 Islamic Thought and Culture

Three Credits

This course is designed to introduce the student to the cultural characteristics of Islam and to the various societies which have been shaped by it. This will be done through consideration of basic themes, literary expressions, and historical events and personalities, its cultural life during the past fourteen centuries. Emphasis, however, will be placed on the Islamic experience of the Middle East and North Africa.

Major elements treated will include the rise of Islam, the person of Muhammad, the Qur'an, the Traditions, theology and philosophy, law and the state, Sunni and Shi'a religious divisions, and Sufism. The character of the Westernization and secularization of Islam during the past two centuries will be considered as prefatory to the position of Islamic nations in the contemporary world.

AAST 007 Persian Culture and Civilization

Three Credits

This course provides an interdisciplinary perspective of the multicultural experience of Iran, from its earliest history to the modern world.

The course covers the literary, artistic, political, and religious experience of Iran from ancient times until the present. It will be of particular use in providing occasion to develop the problems of the Persianization of Islam introduced in the course immediately preceding its offering, namely, Islamic Thought and Culture.

AMERICAN STUDIES

THOMAS W. CASEY, *Director*

American Studies is an interdepartmental program which allows the student to explore the interplay between ideas and events in the American past through an investigation of America's history, politics, law, literature, philosophy, and religion.

The addition of an American Studies major to the Marist curriculum is accomplished through a combination of the selective utilization of various departmental offerings already in existence, and a three-credit senior seminar devoted to investigating the leading ideas shaping American culture and an analysis of representative interpretations of America. The interdisciplinary structure of the American Studies Program is designed to appeal to students who seek a more integrated understanding of the American cultural complex than can be found within any of the major areas of study presently in the Marist curriculum.

**REQUIREMENTS FOR A
BACHELOR OF ARTS IN AMERICAN STUDIES**

1.0	Course Requirement in American Studies AMST 008	3 cr	
		<hr/>	
	CREDIT REQUIREMENT IN AMERICAN STUDIES		3 cr
2.0	Course Requirements in Related Fields		
	Three ENG Courses selected from the following:		
	ENG 181, 182, 203, 207, 639, 216, 217	9 cr	
	One additional ENG Course outside of American Literature	3 cr	
	Four HIST Courses selected from the following:		
	HIST 336, 330, 331, 332, 334, 337, 338, 339, 340, 342, 348, 349, 322, 323, 324, 325, 318, 757, 834, 835, 836	12 cr	
	One additional HIST Course outside of American History	3 cr	
	One PHIL Course selected from the following:		
	PHIL 449, 458, 445	3 cr	
	One additional PHIL course exclusive of those listed above	3 cr	
	Two POSC Courses selected from the following:		
	POSC 669, 510, 511, 512, 670, 810, 521, 391, 392, 518, 520, 504, 671-676	6 cr	
	One POSC Course not related to America	3 cr	
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	CREDIT REQUIREMENT IN RELATED FIELDS		42 cr
		<hr/>	
	TOTAL CREDIT REQUIREMENT FOR A MAJOR IN AMERICAN STUDIES		45 cr
3.0	Additional Requirements None		

AMST 008 Senior Seminar *Three Credits*

An interdisciplinary examination of the American national character through readings, outside lecturers, and field trips. A competently researched paper is required of each student in his special area of interest in American culture.

To be taken in spring semester of senior year.

ANTHROPOLOGY

VINCENT F. KOTSCHAR, *Assistant Professor*

ANTH 009 Introduction to Anthropology I *Three Credits*

Physical and cultural anthropology. An investigation of man's ancestors and his continual physical evolution to modern man. Emphasis is also placed on the evolution of cultures at all levels of man's chronology, with stress on the Neolithic culture, and the Egyptian and Pre-Columbian civilizations.

ANTH 010 Introduction to Anthropology II *Three Credits*

Ethnology. An introduction to the nature, uniformity, and diversity of cultures through an exploration of primitive and modern peoples. Topics include: the family, economics, government, religion, social stratification, and art and crafts.

ANTH 841 The American Indian *Three Credits*

A study of pre-Columbian Indian Civilizations with emphasis on the Inca, Maya, and the Aztecs. Post-Columbian Indian groups will be studied cross-culturally, with emphasis on the family; social, political, and economic structure of the group; religions; and the arts. Consideration will also be given to the Indian contribution to American modern society.

ANTH 842 An Introduction to Archaeology *Three Credits*

A study of how archaeological work is performed (dating techniques; mapping; cross-identification; etc.). Application of these techniques will be viewed in the study of major archaeological sites of historic significance.

ANTH 011 American Culture I *Three Credits*

Study of geographic, ethnographic, historic, and other factors pertinent to the development of Latin and Anglo-American cultures. Consideration will be given to minority and diverse groups; factors promoting urban and rural communities; and to a study in the historical and geographical development of selected cities. Statistics will be frequently provided in order to substantiate lectures and to encourage discussion.

ANTH 012 American Culture II *Three Credits*

An intense analysis of the population of the United States as to national origin, race, economic and social stratification, religious and political preferences, and ethnic contributions to the American scene. Consideration also will be given to a study of factors producing the megalopolis, the city, and smaller communities.

ART AND MUSIC

E. RIMAI FISHER, *Assistant Professor*

NORMAN OLIN, *Lecturer*

EVA PLAUT, *Lecturer*

JOHN SULLIVAN, *Lecturer*

ART 013 Introduction to Art I

Three Credits

Exploration in art at individual level through design experiments in various media. Development of each person's identification with materials of his choice; emphasis on spontaneous and expressive experiences; creativeness as a constructive force of integration of a person.

ART 015 Introduction to Art II

Three Credits

The dynamism of color in the art experience. Experiments in the variability and interdependence of color; color design in terms of form and space concept; color as a plastic force; the language of the color vocabulary.

ART 019-021 Advanced Art I-II

Six Credits

Exploration, in depth, of areas of creative expression in media of student's choice. Search for identity-experience in the art form, by moving as a self-determining individual to wholeness of statement. Frequent conferences with instructor.

Prerequisite: ART 013-015

ART 844 Printmaking, Color and Black and White

Three Credits

Individual instruction directed toward each student's development of strong, personal statements in woodcuts and linocuts.

ART 843 Art and Concrete Poetry

Three Credits

Exploring the integration and design of art form and content in concrete poetry; with visual revealing in the language of poetry and content revealing in the language of art. Personal experiments will be concerned with aspects of writing and design.

ART 022-023 Sculpture in Contemporary Media I-II

Six Credits

Imaginative experience in the three dimensional field. Introduction to "seeing" relational aspects of environment. The space of our current concept.

ART 016 Art from Impressionist Revolt

Three Credits

Art from the impressionist revolt to our time. A study of the development of the visual arts, painting, sculpture, architecture; their origin in past cultures. The relationship between art and environment and the profound influence of our technological age.

ART 017 The Artist as a Cultural Force

Three Credits

The artist as a cultural force. Consideration of the problems of creativity. Study of significant contributions by major figures and basic aesthetic principles of our time.

Prerequisite: ART 016

ART 845 Development of Visual Art I

Three Credits

The art of an era is the manifestation of its culture. Much of our knowledge is derived from art, artifacts and architectural remains. This course will examine the forms of expression and the changes in the art of the Ancient World and the Middle Ages. Relationship of art and civilization is stressed.

ART 846 Development of Visual Art II *Three Credits*

The major theme of this course is man, as he sees himself and his world. It deals with the development of painting, sculpture and architecture from the Renaissance to Neo Classicism.

ART 014 Printmaking and Makers *Three Credits*

The importance of the graphic artist as social commentator. Presentation will be concerned with cultural aspects and impact of communication, supported with slide lectures.

ART 018 Concepts of Space in Art *Three Credits*

The concepts of space and time have reflected man's relationship to his world and have determined the direction of his cultural development. Successive changes in man's image of himself and his space will be explored to understand his condition in his time—to today.

ART 020 Art in Industry *Three Credits*

Principles and application of art in today's man-made environment. The increasing importance of the artist in the formation of style in architecture, manufacturing and advertising.

ART 028 American Art *Three Credits*

American Art as a document of the fabric of our society. The tracing of the development from the itinerant painters of colonial times to the international contributions of the American artists today.

MUS 427 Approach to Listening *Three Credits*

This course begins with the basic elements of music and the exercise of awareness in listening, toward student independence in the experience.

MUS 428 Insight into Music *Three Credits*

A continuation of the study of the various forms in Western music from the traditional composers to the creators of experimental works.

MUS 874 History of Western Music I *Three Credits*

Study of music from primitive times, its place in the historical movement of Western man, to Beethoven. Exploration of styles and forms of major composers.

MUS 875 History of Western Music II *Three Credits*

A continuation of study of the various forms in Western music from the traditional to the experimental composers of today. Aesthetic aims of movements will be considered in relationship to other cultural currents of our history.

MUS 425 Creative Music *Three Credits*

The awareness of music as a phenomenon of sound, approaching an understanding of the nature and components of music through creative projects. This course is designed for all students with interest in music without regard to past musical training.

MUS 431 Jazz and Sound

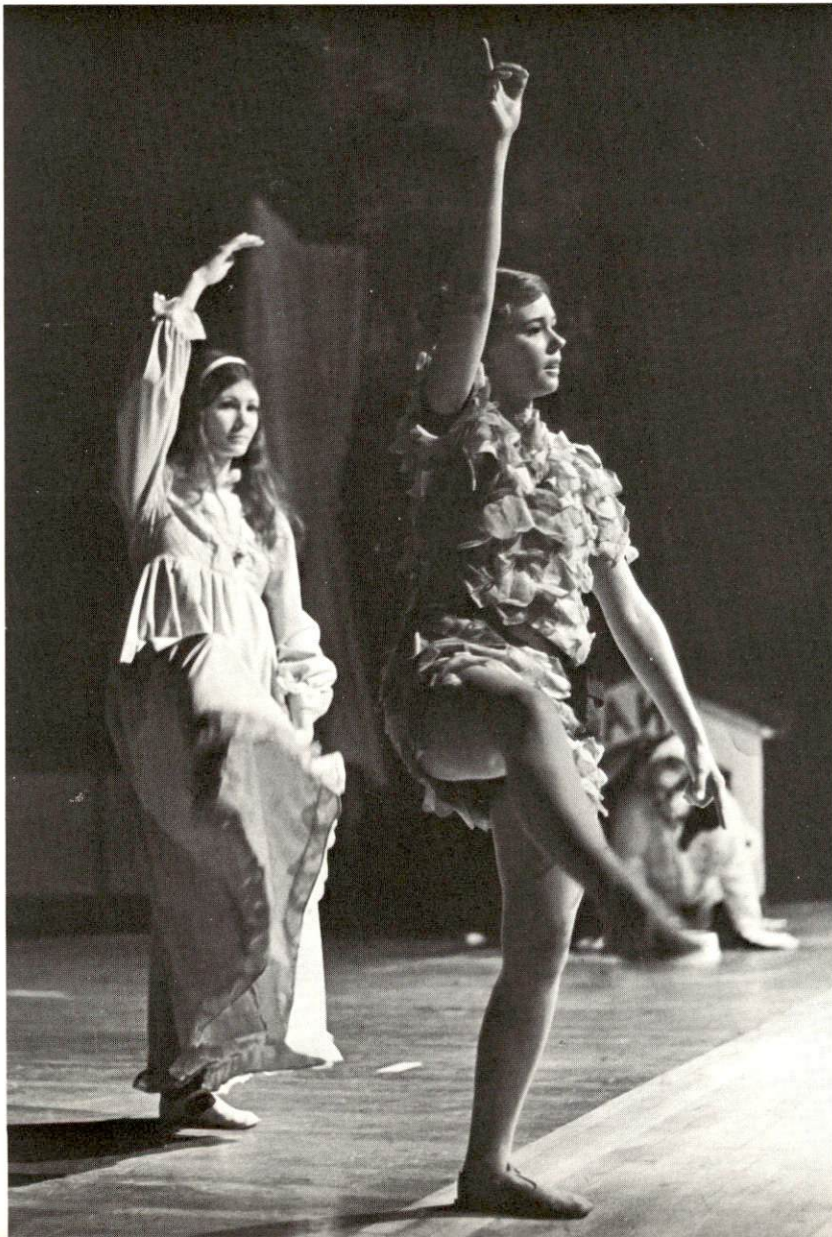
Three Credits

Involvement in criticism and evaluation of contemporary forms of Jazz and Sound; exploration and expansion of student's creative ability in sound compositions; examination of the philosophical implications of the creative process. Importance of music as a specific comment on the contemporary scene. Individual consideration of experimental tapes.

MUS 876-877 Choral Singing I-II

Six Credits

Analysis and performance of choral works of both serious and popular composers, as well as an acquaintance with vocal techniques and methods of choral directing.



BUSINESS AND ECONOMICS

JOHN C. KELLY, *Assistant Professor, Chairman*

LESTER M. CONE, *Associate Professor*

THEODORE O. PRENTING, *Associate Professor*

JOHN J. GRIFFIN, *Assistant Professor*

RICHARD L. McCARTY, *Assistant Professor*

CORNELIUS J. RUSSELL, *Assistant Professor*

FREDERICK E. JORDEN, *Instructor*

NORMAN A. BAGLINI, *Lecturer*

JAMES E. COOMBS, *Lecturer*

JAMES B. FAY, *Lecturer*

MICHAEL J. FUNKE, *Lecturer*

CHARLES P. MORROW, *Lecturer*

LUDWIG A. ZURNIEDEN, JR., *Lecturer*

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

1.0	Course Requirements in Business		
	BUS 052, 054, 056, 057, 062, 063, 069, 066	24 cr	
	Additional Courses in one of the following concentrations:		
	MARKETING CONCENTRATION:		
	BUS 073, 074, 071	9 cr	
	OPERATIONS MANAGEMENT CONCENTRATION:		
	BUS 075, 064, 076	9 cr	
	ACCOUNTING CONCENTRATION:		
	BUS 685, 067, 068, 072	12 cr	
	CREDIT REQUIREMENT IN BUSINESS:		
	(MARKETING)		33*cr
	(OPERATIONS MANAGE.)		33*cr
	(ACCOUNTING)		36*cr
2.0	Course Requirements in Related Fields		
	ENG 852 or 855 or 246 or 857	3 cr	
	ECO 136, 137	6 cr	
	MATH 395, 871-872	9 cr	
	PHIL 429	3 cr	
	PSYC 525	3 cr	
	One course in Natural Sciences	3 cr	
	CREDIT REQUIREMENT IN RELATED FIELD		27 cr
	TOTAL CREDIT REQUIREMENT FOR A MAJOR IN BUSINESS ADMINISTRATION		60 (63)
3.0	Additional Requirements		
	None		
4.0	Recommended Courses		
	SOC 598		

*NOTE: A maximum of 45 credits in Business allowed towards a degree.

REQUIREMENTS FOR A BACHELOR OF ARTS IN ECONOMICS

1.0	Course Requirements in Economics		
	ECON 136-137, 138-140	12 cr	
	Four additional ECON Courses	12 cr	
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	CREDIT REQUIREMENT IN ECONOMICS		24 cr
2.0	Course Requirements in Related Fields		
	BUS 052-054	6 cr	
	ENG 852 or 855 or 246 or 857	3 cr	
	MATH 395, 871-872	9 cr	
	PHIL 429	3 cr	
	One course in political science	3 cr	
	PSYC 525	3 cr	
	One course in natural sciences	3 cr	
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	CREDIT REQUIREMENT IN RELATED FIELDS		30 cr
			<hr/>
	TOTAL CREDIT REQUIREMENT FOR A MAJOR IN ECONOMICS		54 cr
3.0	Additional Requirements		
	Graduate Record Examinations, Apti- tude and Advanced Test		
4.0	Recommended Courses		
	SOC 598		

BUS 052 Principles of Accounting I *Three Credits*

Development of basic accounting concepts. Recording changes in financial condition through analysis of business transactions, and the preparation of statements reporting present monetary position, earnings, and fund-flows of the business organization.

BUS 054 Principles of Accounting II *Three Credits*

Deals with tools of financial control. Course covers such topics as: manufacturing overhead, cost systems, standards and the analysis of variances, budgets, internal control and break-even analysis.

Prerequisite: BUS 052

BUS 056 Business Law *Three Credits*

Designed to cover fundamental legal principles applicable to common business transactions; the nature and function of law; court procedure; the law principles pertaining to contracts, agency, and sales.

BUS 057 Government and Business *Three Credits*

An analysis of government's role and activity in influencing economic life. Topics include the philosophy and instruments of the nation's economic policy as they relate to competition, regulation of industries, income redistribution, and the enforcement of these measures.

Prerequisite: BUS 052-054 and ECON 136-137

BUS 062 Management and Personnel Relations *Three Credits*

This two-part course considers first the fundamentals of management and organization of an enterprise. Subjects include the theories of management and organizations, and discussion of such concepts as the managerial task, policy formation, planning and control, and decision-making. Part two examines current practices in personnel relations. Topics include a brief review of the American labor movement and its impact in labor relations, and a study of contemporary methods of staffing, training and compensating personnel.

BUS 063 Financial Management *Three Credits*

A study of the uses and sources of funds by the firm with emphasis on the corporation. Topics include the management of assets and the acquisition of funds from alternative internal and external sources. Some attention is devoted to the legal and tax environment of financial administration.

Prerequisite: BUS 052-054 and ECON 136-137

BUS 069 Marketing Management *Three Credits*

An examination of the activities involved in moving goods from physical production to the consumer. The structure of the distribution system and combinations of marketing mix strategies are analyzed. Product planning, pricing, promotion and service in a highly oriented consumer economy are considered from the viewpoint of the marketing manager.

BUS 066 Production Management *Three Credits*

This course is designed to study the field of production management with emphasis on the interrelationships of product design, manufacturing methods and the administrative and technical problems faced by production managers and their staffs. The evaluation of the technical concepts and planning and control functions are made in the light of contemporary theory and practice.

Prerequisite: MATH 871-872; MATH 395 and BUS 052-054

BUS 685 Cost Accounting *Three Credits*

An intensive study of the structure of various cost accounting systems. Techniques of income determination for manufacturing enterprises are explored. Attention is given to how standards can be applied in accounting to provide useful information for planning and controlling the cost of direct labor, materials, and manufacturing overhead costs.

Prerequisite: BUS 052-054

BUS 067 Federal Income Taxation *Three Credits*

A study of the Federal tax system with primary emphasis on the impact of taxes on business decision-making. Topics include capital gains and losses, deductions, rate structure, withholding and declaration payments.

Prerequisite: BUS 052-054

BUS 068 Accounting Systems *Three Credits*

A comprehensive presentation of the fundamentals of data origination, classification, control, and reporting. Various accounting systems will be analyzed including data processing applications.

Prerequisite: BUS 052-054

BUS 072 Financial Markets*Three Credits*

A study of contemporary external sources of funds for the firm, especially the corporation. Analyzed are the institutions and practices of the bond and stock markets and of the various sources of short-term funds. Material treated includes the economic and legal influences of public authorities.

Prerequisite: BUS 063 and ECON 136-137

BUS 073 Marketing Communications*Three Credits*

This course gives emphasis to the communications concept of advertising and public relations. Emphasis is placed upon organizing and evaluating the advertising and public relations effort as a part of the firm's total marketing program. Problems covering the budget, client-agency relationships, account management, media planning, administration and control are discussed.

Prerequisite: BUS 069

BUS 074 Sales Administration*Three Credits*

This course covers the structure of the sales organization: methods of selecting, training, compensation, motivation, and controlling the sales force; setting territories, and sales quotas; sales and cost analysis.

Prerequisite: BUS 069 and MATH 395

BUS 071 Marketing Research*Three Credits*

The approach in this course is the use of research as a method of analysis to provide information relevant to the solution of marketing problems. Technical aspects are presented as they relate to the manager's ability to judge the soundness of research proposals and evaluate research findings.

Prerequisite: BUS 069 and MATH 395

BUS 075 Wage Theory and Compensation Systems*Three Credits*

Also listed as ECON 150

Economic analysis of the labor market. Factors important in the determination of wage rates, the firm's wage structure, incentive methods of wage payment, and various fringe benefits are studied. Wage theories are analyzed, with consideration given to wage legislation and management-union wage policies.

Prerequisite: BUS 062 and ECON 136-137

BUS 064 Labor Relations*Three Credits*

Also listed as ECON 696

A study of labor-force and labor-market developments, and their influence on management policy and practices. Subjects include the growth and nature of union organization, the economics of the collective bargaining process, and selected collective bargaining issues.

Prerequisite: BUS 062 and ECON 136-137

BUS 076 Management Systems Analysis*Three Credits*

Designed to ultimately serve as the terminal course in the Operations Management concentration, this course integrates concepts learned in accounting, personnel, production and statistics, through the systems or systems analysis approach. Applications are made to the functional areas of business, with attention given to the role of the computer.

Prerequisite: BUS 052-054, BUS 062, BUS 066 and MATH 395

ECON 135 Economic Geography *Three Credits*

Man's utilization of the major economic resources of the world, with emphasis on environmental factors such as climate, soil, physiographical elements, etc. Special attention is afforded to population questions.

ECON 136 Principles of Economics I *Three Credits*

An introductory course in economics. Topics covered include the basic functioning of a free enterprise economy; economic activities of government; national income analysis; the theory of income determination; and the monetary system.

ECON 137 Principles of Economics II *Three Credits*

A course dealing with analysis of price behavior under both competitive and monopolistic conditions; demand and utility; equilibrium of the firm; marginal analysis and production theory; returns to the factors of production.

Prerequisite: ECON 136

ECON 138 Intermediate Macroeconomic Theory *Three Credits*

Analysis above the level of ECON 203 of the aggregates of consumption, saving, investment and government fiscal activity and the influence of these on the size of national income. Includes consideration of factors affecting employment, prices and economic growth.

Prerequisite: ECON 136-137

ECON 140 Intermediate Microeconomic Theory *Three Credits*

A more detailed analysis of the material covered in ECON 204. Included is the theory of consumer behavior and the determinants of demand; theory of production; nature and behavior of cost; price and output determination in the various competitive markets; theory of factor prices and income distribution.

Prerequisite: ECON 136-137

ECON 141 Soviet Economics *Three Credits*

Designed to cover the Soviet Economy from 1927 to date. Topics include the reliability of Soviet statistics; five-year plans; Soviet industrial growth; collectivized agriculture; and general economic policies.

Prerequisite: ECON 136-137

ECON 144 Monetary Economics *Three Credits*

A study of the nature of money and credit; the commercial banking structure and operation; the Federal Reserve System; the development of monetary theory; American monetary policy.

Prerequisite: ECON 136-137

ECON 148 International Economics *Three Credits*

Development of the theoretical framework of trade between nations; balance of payments theory; foreign exchange markets; policies on tariffs and trades; customs unions; and international financial agencies.

Prerequisite: ECON 136-137

ECON 149 History of Economic Thought *Three Credits*

A study of the principal theories of the production and distribution of economic goods. Consideration of the essential elements in the thought of the exponents of classical and neo-classical economics and modern macro-economics.

Prerequisite: ECON 136-137

ECON 150 Wage Theory and Compensation Systems *Three Credits*

Also listed as BUS 075

Economic analysis of the labor market. Factors important in the determination of wage rates, the firm's wage structure, incentive methods of wage payment, and various fringe benefits are studied. Wage theories are analyzed, with consideration given to wage legislation and management-union wage policies.

Prerequisite: BUS 062 and ECON 136-137

ECON 696 Labor Relations *Three Credits*

Also listed as BUS 064

A study of labor-force and labor-market developments, and their influence on management policy and practices. Subjects include the growth and nature of union organization, the economics of the collective bargaining process, and selected collective bargaining issues.

Prerequisite: BUS 062 and ECON 136-137

ECON 849 Public Finance *Three Credits*

Analysis of the theory and practice of government expenditure, taxation and debt management. Topics include effects on income, the budget process, fiscal policy and intergovernmental and local government finance.

Prerequisite: ECON 136-137

COMPUTER SCIENCE

CMSC 873 Introduction to Computing *Three Credits*

A survey of computers and computer systems including the basic concepts of programming and various programming languages.

CMSC 128-129 Computer Internship I-II *Six Credits*

Supervised practical training in the field of Computer Science. Students who are interested in this program are required to know the essentials of at least one computer language.

Prerequisite: Permission of the Director of the Computer Center

EDUCATION

FRANKLIN HAZARD, *Director*
MAURICE G. BIBEAU, *Language Adviser*
JOHN BRODERICK, *Mathematics Adviser*
WILLIAM PERROTTE, *Science Adviser*
WILLIAM C. OLSON, *History Adviser*
STEPHEN A. LANNING, *English Adviser*
AUGUSTINE NOLAN, *English Adviser*
EILEEN N. BENTLEY, A.B., *Consultant*
LAWRENCE A. GILMOUR, B.A., M.A., *Consultant*
KENNETH J. KNOPPS, M.A., *Consultant*
VICTOR MAHONEY, A.B., M.A., *Consultant*
ROBERT G. RODA, M.S., *Consultant*
MARGARET M. WALSH, M.A., M.S., *Consultant*

Program Requirements. A student may apply for admission to the program at the end of his sophomore year, and, in certain conditions, at the beginning of his junior year, by a written declaration of intent addressed to the Council on Teacher Education and presented to the Director of Teacher Education. Normally, this Committee will accept only those students who have achieved a cumulative index of 2.3 and a major field index of 2.5. All applications must be accompanied by three letters of recommendation from members of the faculty or administration of the college. At the end of junior year, applications are again reviewed to determine fitness for the semester of professional preparation. When a student is accepted into the program, he is assigned to a special adviser in his major field, who will assist him in the selection of courses necessary for preparation to teach. The student is also free to seek the advice of the Director of Teacher Education with regard to the total program.

During the semester prior to the semester of professional preparation, the student is expected to engage in some form of co-curricular social service. This should consist of tutoring, or recreational supervision, or participation in rehabilitation programs, or some other form of supervised activity which involves working with children. Students who give sufficient proof of already having engaged in work of this type may be excused from this requirement.

During his senior year, the student will spend one semester in which his exclusive concern will be his professional preparation. The first half of this semester is spent in the courses devoted to the social and philosophical foundations of education, educational psychology and the methods and materials of teaching the subject in which he is majoring. During the second half of this semester, he engages in directed observation and practice teaching under the supervision of the college and a cooperating teacher approved by the college. He also participates in the educational seminar which deals with secondary education.

All students in Teacher Education are expected to pass comprehensive examinations in their major fields and in the fields related to the major by reason of certification requirements.

Marist College is empowered by the State of New York to recommend students for provisional certification by the Department of Higher Education. This certificate is valid for five years (not including military service),

at the expiration of which time the requirements for permanent certification must be fulfilled. The provisional certificate enables the student to seek employment in the public schools of New York State as well as assist them to secure positions in eight other states with which New York has reciprocal agreements; without it, no one can be hired except in an emergency. Marist College is empowered to certify in the following secondary academic subjects, grades 7-12: English, social studies, mathematics, French, Spanish, biology, chemistry, and physics.

EDUC 152 Methods of Teaching English in Secondary Schools

Three Credits

Principles of basic methodology in secondary schools. Use of audio-visual aids. Study of various curriculums in English and their problems. Special emphasis on methods of efficient reading. Cultivation of the desire to read, and methods of teaching composition, classroom management, lesson planning, testing and construction of classroom tests.

Open only to students enrolled in the Teacher Education Program.

EDUC 154 Methods of Teaching Social Studies in Secondary Schools

Three Credits

Study of syllabi in history and social studies on the junior-senior secondary school level, and their relationship to advanced study in history. Emphasis on lesson planning, visual aids, use of textbooks, classroom management, testing and construction of classroom tests.

Open only to students enrolled in the Teacher Education Program.

EDUC 155 Methods of Teaching Science in Secondary Schools

Three Credits

A course concerned with objectives, problems and procedures, preparation of unity and lesson plans, use of demonstrations, student laboratory experiences, science curriculum (with special emphasis on Chem. Study, BSCS, and PSSC) and evaluation, texts and reference materials, use of visual aids, programs for advanced students, testing and construction of classroom tests.

Open only to students enrolled in the Teacher Education Program.

EDUC 156 Methods of Teaching Mathematics in Secondary Schools

Three Credits

A discussion of the current trends in secondary school mathematics courses. Study of syllabi in mathematics on the junior-senior high school level. The principles of problem solving. Demonstration lessons by the students, testing and construction of classroom tests.

Open only to students enrolled in the Teacher Education Program.

EDUC 157 Methods of Teaching Languages in Secondary Schools

Three Credits

Objectives of foreign language study. Examination of revised language syllabi. Study of recent trends in foreign language teaching with a concentration on the audio-lingual method. Demonstration and use of the language laboratory and other audio-visual materials. Observation of demonstration classes and presentation of typical lessons by the students, testing and construction of classroom tests.

Open only to students enrolled in the Teacher Education Program.

EDUC 159 Internship in Educational Administration *Six Credits*

A work-study experience encompassing a study of principles and problems in specific areas of higher education together with professionally supervised practical experience in that area.

EDUC 163 Observation and Practice Teaching *Six Credits*

Clinical experience in the classroom on the junior-senior secondary school level including at least 120 clock hours of actual teaching under the bi-weekly supervision of the Office of Teacher Education and the academic departments. Eight weeks of full-time attendance at a secondary school is required.

EDUC 166 Sociological and Philosophical Foundations of Education *Three Credits*

An introduction to American education for students preparing to be teachers. The development of education is studied as a social institution in order to grasp those significant features which have given education its present structure. The school is studied as a social agency influenced by and influencing social, economic, legal and political processes in American life. Relevant seminars and laboratory sessions within the public schools are an important adjunct to classroom sessions.

EDUC 539 Educational Psychology *Three Credits*

Applied psychology in education; adolescent behavior problems; individual differences; the learning process; motivation; constructive discipline; measurement of intelligence and an evaluation as related to the educational process.

Prerequisite: PSYC 525

EDUC 795 Introduction to Contemporary Higher Education in America *Three Credits*

"An Introduction to Contemporary Higher Education in America," history, issues and future trends with particular attention paid to high school—college articulation, student adjustment and development during the college years. Exposition of vital issues in higher education.

ENGLISH

STEPHEN A. LANNING, *Assistant Professor, Chairman*

JOHN SCHROEDER, *Professor*

GEORGE J. SOMMER, *Professor*

MILTON TEICHMAN, *Associate Professor*

GERARD A. COX, *Assistant Professor*

ROBERT P. LEWIS, *Assistant Professor*

AUGUSTINE J. NOLAN, *Assistant Professor*

ROBERT C. NORMAN, *Assistant Professor*

EDWARD P. WATERS, *Assistant Professor*

DONALD R. ANDERSON, *Instructor*

JAMES W. BRITT, *Lecturer*

ROBERT D. CASPER, *Lecturer*

MARIO P. RUGGERI, *Lecturer*

**REQUIREMENTS FOR A
BACHELOR OF ARTS IN ENGLISH**

1.0	Course Requirements in English		
	ENG 169 or 170 or 851 or 232	3 cr	
	ENG 852 or 172 or 855 or 246 or 857 or 858	3 cr	
	ENG 859-860	6 cr	
	Ten additional ENG Courses. It is recommended that these be chosen as far as possible so as to constitute a concentration.		
	ENGLISH LITERATURE CONCENTRATION:		
	ENG 188-189	6 cr	
	ENG Courses in English Literature	12 cr	
	Additional upper level ENG courses denoted by asterisks	12 cr	
	AMERICAN LITERATURE CONCENTRATION:		
	ENG 181-182	6 cr	
	ENG Courses in American Literature	12 cr	
	Additional upper level ENG courses denoted by asterisks	12 cr	
	COMMUNICATION CONCENTRATION:		
	ENG 861-175	6 cr	
	ENG Courses in Communications	12 cr	
	Additional upper level ENG courses denoted by asterisks	12 cr	
	CREDIT REQUIREMENT IN ENGLISH		42 cr
2.0	Courses Required in Related Fields		
	None	0 cr	
	CREDIT REQUIREMENT IN RELATED FIELDS		0 cr
	TOTAL CREDIT REQUIREMENT FOR A MAJOR IN ENGLISH		42 cr
3.0	Other Requirements		
	None		

ENG 168 English Composition

Three Credits

Offered to freshmen who are notably deficient in writing proficiency. The course focuses upon fundamentals of sentence, paragraph, and essay construction.

ENG 180 Developmental Reading

Two Credits

Training is given to develop the techniques which increase the speed and comprehension of reading.

ENG 187 The Film

Three Credits

This course will examine the aesthetics of film and the film as a social force in sequence from the beginnings (Melies, Edison, Griffith, Porter, et al) to the present day. Fundamental genres of films will be explored: the horror film, the comedy, the western, the documentary and the mystery. The role of the film in education and industry will not be neglected.

ENG 177-179 The Experience of Literature I-II

Six Credits

This course introduces the student to the various forms of literature. The approach is intended to permit him to enjoy literature and be enriched by it through understanding the techniques of the artist. Through reports and class discussions, the student is encouraged to exhibit his understanding and appreciation of literary expression.

ENG 169 Creative Writing

Three Credits

This course will be an investigation of the various aspects of creative writing as an art form. Techniques for the education of emotion through the use of the written word will be developed and analyzed. Selected works of fiction and poetry will be studied as models of the form. Students will be expected to produce written work to exemplify the various techniques.

ENG 170 Expository Writing—Rhetoric

Three Credits

This course will be devoted to the forms of effective persuasion through writing. Rhetoric will be studied as a technique for analysis, argument and conclusion and these methods practiced in student papers. The rules of evidence and logical presentation will be emphasized. The works of authors skilled in exposition will be studied, analyzed and evaluated. The specific goal will be the development in the student of the ability to write a well ordered, fully documented long paper.

ENG 851 Elements of Description and Narration

Three Credits

This course will focus on the basic problems of narrative and descriptive writings: character portrayal, dialog, atmosphere, action, point of view and authority.

ENG 232-247* Writing Prose Fiction I-II

Six Credits

Analytical study and production of the creative forms of prose, particularly the short story.

ENG 852 Speech Production

Three Credits

Study of the effective use of voice and speech for social and professional needs. Techniques for the development of a pleasing, effective voice, emphasis on understanding of language; phonetic production, with application of speech fundamentals to the problem of group discussion, interpretive reading, conversation.

ENG 172 The Voices of Protest*Three Credits*

A concentrated study of American public address through the critical appraisal of men in their communication roles in social controversies. The theory and practice of critical appraisal of the forms of public address will include description, analysis, interpretation and evaluation.

ENG 855 Persuasive Speaking*Three Credits*

Study of evidence and reasoning, brief making, forms of debate, and group discussions. Students prepare and deliver argumentative speeches, debates on topics of current interest.

ENG 246 Oral Interpretation of Literature*Three Credits*

The art of reading to an audience, conveying the ideational, emotional, and dramatic content of literature; the techniques of analysis are exercised equally with those of expression. Preparation of material for studio and classroom presentation from prose, poetry, play reading, Shakespeare.

Prerequisite: ENG 852 or 172 or 855

ENG 857* Theatre Practice*Three Credits*

Investigation of the nature of theatrical art, its origins, its effects, its intrinsic principles, analysis of the play script for the image of the human condition it presents, its principle of unity, style, genre, analysis of actor's art; exercises, improvisations and scenes.

Prerequisite: ENG 852 or 172 or 855

ENG 858 Theatre Workshop*Three Credits*

Methods of production with emphasis on the analysis of the play in terms of technical problems, the function of the stage manager, business manager, their relationship with associates, the conduct of the production, preparation, rehearsals, and performance.

ENG 859 Literary Analysis I: Rhetorical Criticism*Three Credits*

A study of the principles and methods of rhetorical criticism as they apply to literature and politics (in the broadest sense). The subject to be studied is criticism of the art of persuasion as practiced by the statesman, the pamphleteer, the editorial writer, the preacher, etc.

ENG 860 Literary Analysis II: Poetry and Poetic Criticism*Three Credits*

An introduction to poetry with a focus on practical criticism: analysis of poems, interpretive reading of poems, acquisition of working vocabulary in description of poetic techniques, forms, and effects. Allied readings in the theory of poetry and the nature of the creative process.

ENG 204-205* History of Literary Criticism I-II*Six Credits*

A reading of the major texts from antiquity to T. S. Eliot and the New Critics.

Prerequisite: ENG 321-322

ENG 188-189 English Literature I-II*Six Credits*

Selections from the principal writings of the leading literary figures in English Literature.

- ENG 218* Medieval Literature** *Three Credits*
 English literature from the Old English period to the establishment of printing exclusive of Chaucer. Emphasis is placed on Beowulf, the romance, themes in lyric poetry, and the development of prose.
- ENG 219* Renaissance Literature** *Three Credits*
 An intensive reading from the prose and poetry of the English Renaissance exclusive of Shakespeare and the drama. The rise and development of humanistic thinking is stressed.
- ENG 220* Seventeenth Century Literature (1603-1660)** *Three Credits*
 A detailed examination of metaphysical and classical poetry. The intellectual atmosphere of the age is examined through a reading of the principal prose stylists including Burton, Browne, and Bacon.
- ENG 686* Literature of the Restoration (1660-1700)** *Three Credits*
 Emphasis placed on the major works of Milton and Dryden. The poetry of the Court Wits and trends in the drama are examined.
- ENG 221-222* Eighteenth Century Literature I-II** *Six Credits*
 A close examination of the major works of Pope, Swift, Gay, Johnson, and the pre-Romantics, especially Burns and Blake. Tendencies in literary theory are studied.
- ENG 223* The Romantic Movement** *Three Credits*
 Poetry and poetics of the Romantic Movement with emphasis on the major works of Wordsworth, Coleridge, Byron, Shelley, and Keats.
- ENG 224 The Later Nineteenth Century** *Three Credits*
 Poetry and poetics of the Victorian Age with special emphasis on the major works of Tennyson, Browning, Arnold, Rossetti, and Pater.
- ENG 209* The Rise of the English Novel** *Three Credits*
 The generation and development of the novel in the Eighteenth and Nineteenth Centuries.
- ENG 211* The Contemporary English Novel** *Three Credits*
 A study of the developments in the novel from Joyce to the present.
- ENG 214-215* The Drama I-II** *Six Credits*
 The development of the drama in England, excluding Shakespeare, from its origin in the liturgy of the Medieval Church to the present.
- ENG 233* Chaucer** *Three Credits*
 A detailed examination of the love visions, the *Troilus and Criseyde*, and the *Canterbury Tales*.
- ENG 234* Shakespeare** *Three Credits*
 A study of Shakespeare's art and development through a reading of representative comedies, histories, and tragedies.

ENG 206* Contemporary English Poetry *Three Credits*

A close reading of the principal British poets from the end of the Victorian era to the present including Hardy, Yeats, Eliot, Auden, and Dylan Thomas.

ENG 181-182 American Literature I-II *Six Credits*

The principal developments in the literature of the United States expressive of the American mind from colonial times to the present.

ENG 216* The Rise of the American Novel *Three Credits*

Reading and analysis of the principal novelists in America before the First World War.

ENG 217* The Contemporary American Novel *Three Credits*

Trends in the novel from World War I to the present.

ENG 200* American Drama 1915-1945 *Three Credits*

This course endeavors to acquaint the student with the tradition of dramatic literature and theatrical innovation in America between 1915 and 1945. Particular emphasis will be upon the contributions of O'Neill, Rice, Anderson, Sherwood, Odets, Wilder, Barry, and Hellman. Written and oral presentations will be stressed.

ENG 201* American Drama 1945-present *Three Credits*

A study of plays and other theatrical phenomena in America from World War II to the present. Concentration will be upon the works of Williams, Miller, Inge, MacLeish, Albee, and Simon. Textual analysis and laboratory presentations will be emphasized.

Prerequisite: ENG 200 or permission of instructor.

ENG 207* Contemporary American Poetry *Three Credits*

A close reading of the principal American poets since the beginning of the Twentieth Century including Pound, Stevens, Frost, Williams, Lowell, and Cummings.

ENG 861 Introduction to Communication *Three Credits*

A survey of the structure, functions, process and effects of interpersonal and mass communication in modern society. The course begins with the individual and works toward an understanding of the mass media of communication, their aesthetic problems and their contemporary functions in society.

ENG 175 Comparative Communication Systems *Three Credits*

Foreign press, broadcasting, and film: control and support; reflection of political systems, economic and social development; their function in formulating public opinion and national policy.

ENG 176* Visual and Aural Communication Techniques *Three Credits*

An investigation of the techniques of film, television, and sound from the standpoint of the communication of ideas. Ideally, this course would include the production of short films, as well as utilizing the AV-TV Center for television and sound assignments.

ENG 186* Introduction to Journalism *Three Credits*

The history, philosophy, and function of the newspaper with classroom instruction and professional guidance in laboratory practice.

ENG 236-238* Communication Arts I-II *Six Credits*

A survey of communication media. The first half of the course focuses on the print media while the second semester gives emphasis to the contemporary electronic media.

ENG 862* The Theatre *Three Credits*

A study of the theatre in Western Civilization; its nature and function in society; its social impact in the past and its contemporary role.

ENG 178* Cinematic Communication *Three Credits*

A systematic examination of the nature of the film medium, and of attempts to construct theories of film for both creative and reporting cinema. Attention is given to the problems of aesthetics and communication from the viewpoints of practitioner, critic, and audience.

ENG 202-208* Introduction to Linguistics I-II *Six Credits*

A study of the internal structure of the English language as it relates to current patterns in speech and grammar. This course treats phonology, morphology, morphophonemics, the description of language structures, and English transforms.

ENG 203-639* History of the English Language I-II *Six Credits*

The development of the language from the Old English period to the present.

ENG 235-237* Masterpieces of European Literature *Six Credits*

Reading of the principal works of several of the major writers in Western Civilization, including Homer, Virgil, Dante, Cervantes, Rabelais, Ibsen, Dostoyevsky, Tolstoy, and Mann.

ENG 239* The Twentieth Century European Novel *Three Credits*

A general survey of the development of the novel in contemporary Europe.

ENG 659* Twentieth Century European Drama *Three Credits*

A general survey of the development of drama in contemporary Europe.

ENG 212-213* Major French Writers I-II (In Translation) *Six Credits*

Also listed as FREN 863-864

A survey of major French literature from the *Chanson de Roland* to the novels of F. Mauriac. Intended for non-French majors.

ENG 642-643* Major German Writers I-II *Six Credits*

A study of major German literature from the Nibelungenlied to the outstanding works of the contemporary authors.

ENG 230* Major Russian Writers I (In Translation) *Three Credits*
Also listed as RUSS 585

A survey of Russian literature from its origins through the 19th century. Main emphasis placed on the works of Pushkin, Lermontov, Gogol, Goncharov, and Turgenev.

ENG 231* Major Russian Writers II (In Translation) *Three Credits*
Also listed as RUSS 596

Study of Dostoevsky and Tolstoy. Examination of 20th century classicists: Bunin, Blok, Pasternak, Sholokhov and others.

ENG 198* Major Spanish Writers I (In Translation) *Three Credits*
Also listed as SPAN 919

A study of representative works in Spanish Epic Poetry, The Golden Age Drama and contemporary playwrights.

ENG 228* Major Spanish Writers II (In Translation) *Three Credits*
Also listed as SPAN 920

A study of the Spanish Picaresque Novel, the works of Cervantes and representative works of the nineteenth and twentieth centuries.

ENG 276 Major Latin American Writers (In Translation) *Three Credits*
Also listed as SPAN 838

A study of selected works of South America dealing with the political struggle and development of the continent.

ENG 758* Readings in English Literature *Three Credits*
759* Readings in American Literature *Three Credits*
760* Readings in Media of Communication *Three Credits*
761* Readings in Linguistics *Three Credits*
726* Readings in Comparative Literature *Three Credits*

Courses will convene periodically in informal session to discuss a work in a given designated topic area (e.g. ENG 758—Readings in 19th Century British Intellectual History—Carlyle's *Sartor Resartus*, J. S. Mill's *Autobiography*, Newman's *Apologia*, etc.). Generally the instructor will formulate and advertise topics and readings prior to registration; in cases where the size of the interested group makes it practicable, students themselves might formulate the readings beforehand. Independent reading, mature analysis, and active discussion are expected.

Prerequisite: Generally, two semesters in the particular topic area of concentration.

ENG 698* Seminar in English Literature *Three Credits*
856* Seminar in American Literature *Three Credits*
792* Seminar in Media of Communication *Three Credits*
794* Seminar in Linguistics *Three Credits*
854* Seminar in Comparative Literature *Three Credits*

Each of these seminars will focus on a relatively circumscribed area of inquiry—a literary problem, figure or set of figures, a topic, etc. The seminar will require some student-led discussion and a mature piece of independent research.

Prerequisite: Usually, two semesters of study in the seminar area of concentration (e.g. ENG 181–182, American Literature, for ENG 856).

ENG 802*	Independent Research: English Literature	Three Credits
804*	Independent Research: American Literature	Three Credits
806*	Independent Research: Media	Three Credits
807*	Independent Research: Linguistics	Three Credits
812*	Independent Research: Comparative Literature	Three Credits

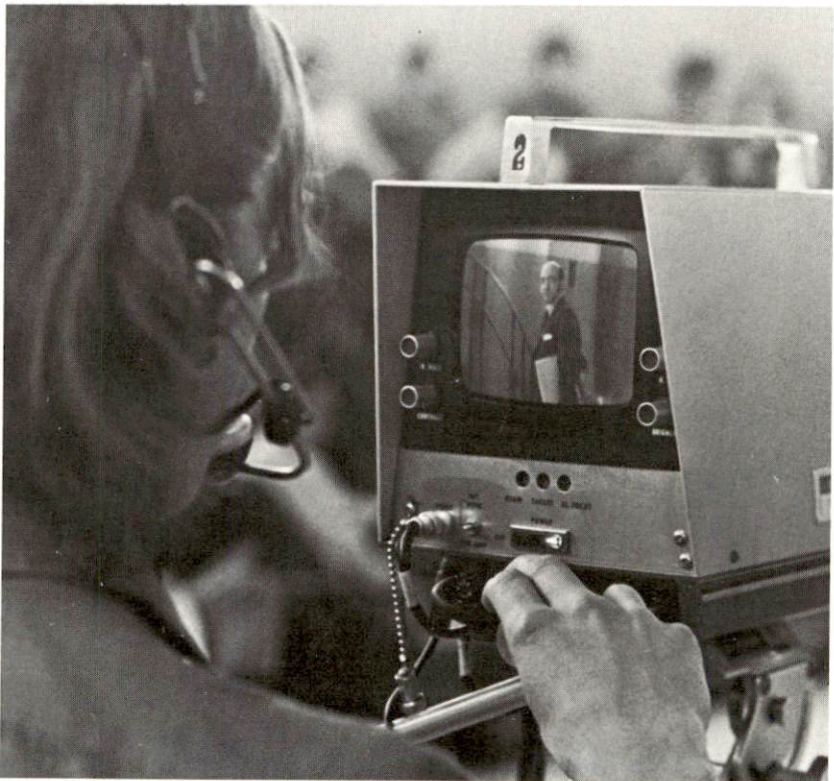
Prerequisite: Same as Seminars

ENG 925-926 Special Topics in English I-II *Six Credits*

The "special topics" courses serve a twofold purpose. They serve as a vehicle for students pursuing a study on an independent basis under the direction of a faculty mentor of a topic which is not covered by the regularly catalogued courses in the academic discipline. The student is required to prepare an outline of the proposed study and must secure a faculty member to serve as mentor. Permission of the department/divisional chairman is required.

"Special topics" courses also serve as a vehicle by which a department/division may offer a topical or thematic study not included in the regular course offerings. The specific content is indicated when the course is listed in the schedule of classes.

Prerequisite: Permission of the Chairman of the Department.



HISTORY AND POLITICAL SCIENCE

LOUIS ZUCCARELLO, *Associate Professor, Chairman*

ROSCOE BALCH, *Professor*

YUAN CHUNG TENG, *Associate Professor*

CAROLYN C. LANDAU, *Assistant Professor*

PETER O'KEEFE, *Assistant Professor*

KOON WOO NAM, *Assistant Professor*

VINCENT TOSCANO, *Assistant Professor*

JOHN G. WHITE, *Assistant Professor*

JOSEPH M. NORTON, *Instructor*

WILLIAM C. OLSON, *Instructor*

WILLIAM COLEMAN, *Lecturer*

STANLEY LEYDEN, *Lecturer*

REQUIREMENTS FOR A BACHELOR OF ARTS IN HISTORY

1.0 Course Requirements in History

Ten HIST Courses with at least one
course in each of the following areas:

American History, European History
and either Latin American or Non-
Western History

30 cr

CREDIT REQUIREMENT IN HISTORY

30 cr

2.0 Course Requirements in Related Fields

None

0 cr

CREDIT REQUIREMENT IN RELATED
FIELDS

0 cr

TOTAL CREDIT REQUIREMENT FOR A MAJOR IN
HISTORY

30 cr

3.0 Additional Requirements

Graduate Record Examination in HISTORY

4.0 Recommended Courses

Distribution of courses in the following areas: Languages,
Political Science, Literature, Philosophy, Economics, Be-
havioral Sciences and Computer Science. Courses should be
selected in consultation with a faculty advisor.

REQUIREMENTS FOR A BACHELOR OF ARTS IN POLITICAL SCIENCE

1.0	Course Requirements in Political Science		
	POSC 503	3 cr	
	One Course selected from each of the following areas: Political Theory, American Government, International Politics and Comparative Politics	12 cr	
	Five additional POSC Courses	15 cr	
		30 cr	
	CREDIT REQUIREMENT IN POLITICAL SCIENCE		30 cr
2.0	Course Requirement in Related Fields		
	None	0 cr	
		0 cr	
	CREDIT REQUIREMENT IN RELATED FIELDS		0 cr
	TOTAL CREDIT REQUIREMENT FOR A BACHELOR OF ARTS IN POLITICAL SCIENCE		30 cr
3.0	Other Requirements		
	Graduate Record Examination in POLITICAL SCIENCE		
4.0	Recommended Courses		
	The following recommendations are made with respect to a student's vocational goal. Choices should be made in consultation with a faculty advisor.		
	Pre-Law		
	PHILOSOPHY	6 cr	
	HISTORY	6 cr	
	ENGLISH EXPRESSION ³	6 cr	
	BEHAVIORAL SCIENCE	6 cr	
	BUSINESS, ECONOMICS, MATHEMATICS ² , OR LANGUAGE ¹	6 cr	
	Foreign Service		
	LANGUAGE ¹	6-12 cr	
	HISTORY (INCLUDING NON-WESTERN)	6-12 cr	
	FINE ARTS	6 cr	
	LITERATURE	6 cr	
	BEHAVIORAL SCIENCE	6 cr	
	Public Administration		
	ENGLISH EXPRESSION ³	6 cr	
	BUSINESS-ECONOMICS	6 cr	
	BEHAVIORAL SCIENCE	6 cr	
	HISTORY	6 cr	
	MATHEMATICS ²	6 cr	

Teaching—Secondary Level	
ENGLISH EXPRESSION ³	6 cr
HISTORY	12 cr
SOCIAL SCIENCE	6 cr
PHILOSOPHY	6 cr
Graduate School (Political Theory)	
PHILOSOPHY	6–12 cr
HISTORY	12 cr
LANGUAGE ¹	6 cr
MATHEMATICS ²	0–6 cr
Graduate School (American Government)	
HISTORY	6–9 cr
MATHEMATICS ²	6–9 cr
LANGUAGE ¹	6 cr
Graduate School (International or Comparative Politics)	
PHILOSOPHY	6 cr
HISTORY (INCLUDING NON- WESTERN)	12 cr
LANGUAGE ¹	6 cr
MATHEMATICS ² OR BEHAVIORAL SCIENCE	6 cr
Journalism	
ENGLISH EXPRESSION	12 cr
HISTORY AND NON- WESTERN STUDIES	12 cr
SOCIAL & BEHAVIORAL STUDIES	6 cr
General	
BUSINESS OR ENVIRONMENTAL STUDIES	6 cr
ENGLISH	6 cr
HISTORY	6 cr
SOCIAL & BEHAVIORAL SCIENCES	6 cr
MATHEMATICS ² OR LANGUAGE ¹	6 cr

NOTE: 1. Language: Always Through Intermediate

2. Mathematics: Emphasis Upon Statistics or Computer Science

3. English Expression: Oral and Written Communication stressed.

In general electives should be selected from following areas: Natural Sciences, Religious Studies (especially Historical or Comparative), Philosophy, Computer Science, Literature

**HIST 275 Medieval Period, The Creation of Europe,
300 A.D.–1300 A.D.** *Three Credits*

The blending of classical, barbarian, and Christian strains to form the first Europe. The development of monastic, feudal, imperial, and papal institutions, their conflicts, urbanization, birth of the universities and growth of medieval thought, development of national states, legal systems, and the English Parliament.

**HIST 277 Early Modern European Period, 1300–1800
An Age of Expansion and Revolution** *Three Credits*

Infusion of classical humanism into late medieval culture; Europe discovers and colonizes the Western Hemisphere. A chain of revolutions: religious, scientific, intellectual, agricultural, English, American, French.

HIST 287 Introduction to History *Three Credits*

This course is intended to introduce students to the variety of opinions regarding the nature and processes of historical inquiry. Using selected reading and research assignments, each student will be encouraged to deal with the problems of historical interpretation.

HIST 321 Europe in the Seventeenth Century *Three Credits*

A study of the development of France in the Seventeenth and early Eighteenth Centuries; particular emphasis will be placed on selected problems regarding France's internal development as well as her position on the continent and in the world.

HIST 664 Europe in the Eighteenth Century *Three Credits*

A study of England in the Eighteenth and early Nineteenth Centuries, with particular emphasis on the development of Parliamentary government as well as selected problems regarding England's position in the world at that time.

HIST 326 Europe in the Nineteenth Century *Three Credits*

The Napoleonic State, the liberal and social movements in England and on the Continent, the Metternich reaction, the Revolutions of 1848, the Bismarckian Era, the Balkan problem.

HIST 344 Europe in the Twentieth Century *Three Credits*

The course will consider the main trends in European history from 1914 to the present. Included will be discussions of the Treaty of Versailles, the Great Depression, Fascism, Stalinism, World War II and the Cold War.

HIST 315 History of Russia I *Three Credits*

A survey of Russia's historical development from the establishment of Kievan Rus to the reign of Alexander III, with an emphasis on the emergence of Muscovy, reigns of Peter I and Catherine I, and the social and political development of the Nineteenth Century.

HIST 649 History of Russia II *Three Credits*

This half traces the evolution of Russian history during the reigns of Alexander III and Nicholas II, and the Russian Revolution of 1917.

HIST 316-317 History of the Soviet Union I-II *Six Credits*

A study of Twentieth Century Russia encompassing the following: the February and October Revolutions; the Civil War; N.E.P.; the Five-Year Plans; the Nationalities and Russian Culture; Stalin's Purges; World War II; the Cold War; De-Stalinization; Krushchev and the Thaw; the Communist World and the West; Brezhev and Kosygin.

HIST 295 Ancient Greece *Three Credits*

Growth and conflict of the city states, the development of the Greek mind, the Hellenistic era; concentration is on Athens in the Fifth Century B.C.

HIST 299 Ancient Rome *Three Credits*

The development of the Roman character, of the Roman law and other Republican institutions, the rise and fall of the Roman Empire.

HIST 308 History of Modern Asia I *Three Credits*

This course covers the period from the coming of the Europeans in the Fifteenth Century to the eve of World War I. The emphasis will be put on the reactions of Asians to the Western impact on their ways of life.

HIST 309 History of Modern Asia II *Three Credits*

Covers the period from World War I to the present, with the emphasis on the interplay of nationalism and communism and on the American relations with Asian countries in this century.

HIST 311 History of China *Three Credits*

A survey of the civilization of China from the earliest times to the modern period. Political, social, economic, and religious developments.

HIST 346 Birth of First Europe *Three Credits*

Constitutional reforms and the establishment of christianity in the late Roman Empire; the impact of the Germanic barbarians and of the Moslems on Western Europe; monastic influences and the creation of the Carolingian Empire.

HIST 322-323 History of American Reform I-II *Six Credits*

An examination of key individuals and groups who attempted to effect significant change in the patterns and directions of their particular societies. Beginning with the Puritan World and Roger Williams, the course will trace American reform movements to the present day. The abolitionists, the populists, the progressives and those involved in contemporary reform will be included.

HIST 330-331 History of Black America I-II *Six Credits*

A detailed examination of the Negro participation in the cultural, economic, political, and social development of America. The course will start with the African backgrounds and will go up to the present.

HIST 340-342 History of the Presidency of the United States I-II

Six Credits

Also listed as POSC 670-810

An analytic and historical study of the office and the powers of the President of United States. An investigation of the development of the many roles of the chief executive and his relationship with the other branches of the American governmental system. An historical examination of the presidencies of those who have contributed to the making of the modern presidency.

HIST 324-325 American Diplomatic History I-II

Six Credits

Part one will focus on the diplomacy of the American Revolution and of American expansion, the origins of the Monroe Doctrine and the diplomacy of the Civil War. Part two will include the diplomacy of American economic expansion; America's rise to world power; the diplomacy of the two world wars and the origins of the Cold War.

HIST 348-349 History of Latin America I-II

Six Credits

A study of selected problems in the development of the Latin American republics. Emphasis will be placed on the Twentieth Century and particularly the problems of Latin American relations with the United States.

HIST 294 The Ancient East

Three Credits

A study of the beginnings of civilized life in the valleys of the Nile, Tigris-Euphrates, and Indus. Terminating in the Fifth Century B.C., the course lays stress on the religious and intellectual contributions of these societies.

Prerequisite: HIST 287 or one course in non-American history or permission of instructor

HIST 300 Byzantine and Arabic Civilization

Three Credits

Studies the blending of Greek, Roman, and Oriental traditions with Christianity to form a distinct culture in the Byzantine Empire and the revival of the Near East under the influence of Islam. Chronologically the course is bounded by the founding of the East Roman Empire (395 A.D.) and the fall of Constantinople (1453 A.C.).

Prerequisite: HIST 287 or one course in non-American history or permission of instructor

HIST 301 Church and State in Early Europe

Three Credits

The Caesaropapism of Eusebius, the dualism of Gelasius, Carolingian Caesaropapism, the Gregorian Revolution, Papal Supremacy in Europe, Boniface VIII and the Feudal Monarchies.

Prerequisite: HIST 287 or one course in European history or permission of instructor

HIST 302 Origins of European State System

Three Credits

The development of political institutions in Western Europe from the collapse of the Carolingian Empire to the birth of the feudal Monarchies, with particular emphasis on England, France and Germany.

Prerequisite: HIST 287 or one course in European history or permission of instructor

HIST 350 Early European Renaissances *Three Credits*

A review of reform and renewal ideas in Western Europe from the "Theodosian Renaissance" to the rise of the Universities. Emphasis is placed on the literary and artistic traditions of the classical world and their impact on the new peoples of Europe.

Prerequisite: HIST 287 or one European course or permission of instructor

HIST 304 Renaissance and Reformation *Three Credits*

An investigation of the origins of the "Italian Renaissance," definitions of that Renaissance and the impact of the spread of that Renaissance; emphasis is placed on literary and artistic movements. A study, further, of the Religious Reformation as part of the reform and renewal traditions of the West culminating with the settlements of 1648.

Prerequisite: HIST 287 or one European course or permission of instructor

HIST 394 The Diplomatic History of Early Modern Europe *Three Credits*

A study of the alliances, peace treaties, reversals, etc., through which nations in the developing European state system attempted to deal with international problems from the end of the Thirty Years War to the Congress of Vienna.

Prerequisite: HIST 287 or one European course or permission of instructor

HIST 320 French Revolution and Napoleon *Three Credits*

Traces the French Revolution from its causes to its culmination in the dictatorship of Napoleon.

Prerequisite: HIST 287 or one European course or permission of instructor

HIST 306-307 Constitutional History of England I-II *Six Credits*

A survey of English constitutional and legal history from the Sixth to the Twentieth Centuries, with particular emphasis on select institutions.

Prerequisite: HIST 287 or one European course or permission of instructor

HIST 327 Modern Germany: Bismarck to Hitler *Three Credits*

A survey of the attitude of German liberals after the Congress of Vienna and the Revolutions of 1848; their relationship to the power politics of Bismarck and Prussian militarism. Germany and World War I. The Versailles Settlement and the problems under the Weimar Republic. Hitler and the roots of the Nazi Ideology.

Prerequisite: HIST 287 or one European course or permission of instructor

HIST 337 American Colonial History *Three Credits*

A comprehensive view of economics, social, and cultural foundations of American life, with special attention to the conditions peculiar to New York and New England.

Prerequisite: HIST 287 or one course in American History or permission of instructor

HIST 332 Early American History—Seminar *Three Credits*

A closer investigation of selected topics in colonial and early national history, with emphasis on the history of the Hudson Valley and early New York State.

Prerequisite: Permission of Instructor

HIST 336 American Middle Period, 1789–1845 *Three Credits*

A concentration on the problems, the formation of the republic, the growth of the republic until the period just prior to the outbreak of the Civil War; emphasis will also be placed on the expansion of the American nation to the west.

Prerequisite: HIST 287 or one course in American History or permission of instructor

HIST 334 Civil War and Reconstruction *Three Credits*

A study of America from 1848–1877, emphasizing the causes, the course, and the aftermath of the Civil War, with a consideration of the lingering effects of the conflict on American society, North and South.

Prerequisite: HIST 287 or one course in American History or permission of instructor

HIST 338 Emergence of Modern America *Three Credits*

An investigation into and an analysis of the forces and movements of American life in the period from the end of Reconstruction through America's entrance in World War I. Special attention is given to social and intellectual developments during these years.

Prerequisite: HIST 287 or one course in American History or permission of instructor

HIST 318 Twentieth Century America *Three Credits*

A study of selected issues of the American experience in the twentieth century. The course focuses on those developments which have been prominent in shaping contemporary American life.

Prerequisite: HIST 287 or one course in American History or permission of instructor

HIST 803 Inter-American Relations *Three Credits*

An overview of economic, social and cultural relations between the United States and Latin America from 1700 to the present. Emphasis will be placed on the formation of attitudes through the evolution of public and private efforts at Inter-American cooperation.

Prerequisite: one course in Latin America or one course in American History or permission of instructor

HIST 312 History of Central Asia *Three Credits*

A survey of the history of this area as a crossroad of four civilizations and a study of its developments from ancient times to the modern period. The area covers the five present-day Muslim Soviet Socialist Republics of Turkmenistan, Uzbekistan, Tadzhikistan, Kirgiziya, and Kazakhstan; the Chinese province of Sinkiang; and the northern slopes Hindu Kush in Afghanistan.

Prerequisite: one non-Western history course or permission of instructor

HIST 314 Nationalism and Communism in China *Three Credits*

Also listed as POSC 515

A study of an interaction of the two movements of nationalism in Twentieth Century China.

Prerequisite: HIST 287 or one Asian History course or permission of instructor

HIST 382 Chinese Intellectual History*Three Credits*

This course deals with the historical developments of Confucianism, Taoism, and Buddhism in China. The focus will be put on how they answered the basic questions of life.

Prerequisite: At least one non-Western history course and permission of instructor

HIST 757 F.D.R. Seminar*Three Credits*

An intense study of America in the 1930s and 1940s, with emphasis on the emergence of the New Deal: its nature and significance. Attention is also given to the development of F.D.R.; his apprenticeship for the White House; his role as chief administrator, as politician, as diplomat and as commander-in-chief during World War II.

Prerequisite: At least two courses in American History and/or permission of instructor

HIST 339 Roosevelt Summer Institute*Six Credits*

The description of the course outline is similar, but in greater depth, to the Roosevelt Seminar History 757. The Institute will be set up on a seminar-research basis. A coordinator will direct it at both the College (seminar) and at the Roosevelt Library (research). A research paper utilizing the archival materials (presidential papers) will be required. The Institute will include discussions with scholars engaged in research and surviving friends and acquaintances of President Roosevelt. Available audio-visual aids will be utilized; these will include film strips and records of the Roosevelt Era. Field trips to a number of places of historical interest in the Mid-Hudson area will be planned.

Prerequisite: Permission of Instructor and/or two courses in American History

HIST 805 African History*Three Credits*

A course designed to give an understanding of contemporary Africa. By discussing present day developments in the light of past experiences the student will be introduced to the major forces which have helped to shape modern Africa.

Prerequisite: At least one course in history

HIST 834 Special Topics in History I*Three Credits***835 Special Topics in History II***Three Credits***836 Special Topics in History III***Three Credits*

The "special topics" courses serve a twofold purpose. They serve as a vehicle for students pursuing a study on an independent basis under the direction of a faculty mentor of a topic which is not covered by the regularly catalogued courses in the academic discipline. The student is required to prepare an outline of the proposed study and must secure a faculty member to serve as mentor. Permission of the departmental/divisional chairman is required.

"Special topics" courses also serve as a vehicle by which a department/division may offer a topical or thematic study not included in the regular

course offerings. The specific content is indicated when the course is listed in the schedule of classes.

Prerequisite: Permission of Instructor

HIST 351 Research Seminar

Three Credits

In seminar and/or tutorial sessions students will become better acquainted with the tools of historical research and the authorities and significant trends of the particular field. A student will be expected to demonstrate his ability to write a well researched paper. Permission of the instructor is required.

POLITICAL SCIENCE

POSC 503 Introduction to Politics

Three Credits

The fundamental aspects of political inquiry; nature of political process; political structures and functions; concepts of political stability and order; change and transition; political behavior.

POSC 508 Political Psychology

Three Credits

Also listed as PSYC 547

An interdisciplinary course which provides an integrated approach to basic areas of concern in psychology and political science. The course will be team taught by a psychologist and a political scientist.

POSC 506 Political Thought I

Three Credits

A survey of the development of ideas concerning the major problems of political theory. Selected writers of the ancient and medieval world will be studied; consideration of early ideas on constitutionalism, of representation and church-state relations.

Prerequisite: POSC 503 or one course in philosophy

POSC 507 Political Thought II

Three Credits

A study of selected theorists and theories of the period; emphasis will be placed on Marxism, fascism, liberalism, conservatism, and present day developments in political thought.

Prerequisite: POSC 503 or one course in philosophy

POSC 669 American National Government

Three Credits

A study of the American political system, analysis of the institutions of the national government and of the American political process. Political behavior and selected issue areas will also be studied.

Desirable: POSC 503 but not required

POSC 510 American State and Urban Politics

Three Credits

A study of the processes through which individuals and groups affect the decision-making process on the state and local level. The major issues confronting local areas are also considered. Emphasis will be placed on an analysis of urban politics.

Desirable: POSC 503 but not required

POSC 511 Issues in American Constitutional Law *Three Credits*

A basic introduction to principles of American Constitutional Law. The course will seek to illustrate the development of these principles by reference to significant modern issue areas, i.e., civil liberties, segregation, federalism.

Prerequisite: POSC 503 or one course in American Government

POSC 512 Political Parties and Pressure Groups *Three Credits*

The nature, composition, and organization of parties and pressure groups; the role played by these two forces in the political process; history and programs of parties and pressure groups.

Prerequisite: POSC 503

POSC 670-810 History of the Presidency of the United States I-II *Six Credits*

Also listed as HIST 340-342

An analytic and historical study of the office and the powers of the President of the United States. An investigation of the development of the many roles of the chief executive and his relationship with the other branches of the American governmental system. An historical examination of the presidencies of those who have contributed to the making of the modern presidency.

POSC 515 Nationalism and Communism in Modern China *Three Credits*

Also listed as HIST 314

A study of the interaction of the two movements of nationalism and communism in Twentieth Century China.

Prerequisite: POSC 503

POSC 516 Comparative Political Systems I: Great Britain and Western Europe *Three Credits*

Comparative analysis of political culture, ideology, institutional forms and functioning of Western European democracy, with emphasis on the British parliamentary system, post-Gaullist France and the German Federal Republic.

Prerequisite: POSC 503

POSC 517 Comparative Political System II: USSR and Eastern Europe *Three Credits*

Analysis of the European Communist model in comparative political systems, with primary emphasis on the USSR and selected Eastern European variants. Inquiry into the relationship between ideology and experience in political culture.

Prerequisite: POSC 503

POSC 513 Comparative Political Systems III: Politics of Development *Three Credits*

Theory of comparative political systems and development. Analysis of political structure and problems of development of non-Western government, involving selected Asian and African experience.

Prerequisite: POSC 503

POSC 518 International Politics *Three Credits*

Theories of international politics; political power; the struggle for power; policy of the status quo and prestige, imperialism; ideologies in international politics; national power and its limitations: the balance of power, international morality, world public opinion, disarmament, security, the U.N.; order through transformation: the world state and the world community; order through accommodations: diplomacy.

Prerequisite: POSC 503 or permission of instructor

POSC 519 International Law and Organization *Three Credits*

Development of international institutions, structure functions and processes with emphasis on United National systems; study of nature, source, and function of international law.

Prerequisite: POSC 503 or permission of instructor

POSC 520 Political Culture *Three Credits*

Examination of cultural and behavioral patterns characteristic of political society. The course will study such phenomena as political socialization, political conflict and consensus, the interaction of competing values within the polity.

Prerequisite: POSC 503

POSC 521 Contemporary Political Ideologies I *Three Credits*

Analysis of modern political belief systems and doctrine, and their role in the functioning of political systems. Emphasis is on contemporary aspects of democracy, fascism and communism, and current variants of liberalism, conservatism, right-wing extremism and the "New Left."

Prerequisite: POSC 503

POSC 504 Contemporary Political Ideologies II *Three Credits*

This course follows POSC 521 and undertakes analysis of Marxism as an ideology and its variant forms among political movements, parties and programs.

Prerequisite: POSC 503; POSC 521 desirable

POSC 671-676 Work Internship in Political Science *One to Six Credits*

Selected students engage in work experiences with government and political agencies. Work in the agency, readings and a semester project constitute the bases of the experience. Course credit will be assigned according to the nature of the internship. Permission of the faculty supervisor is required for admission to this course.

Prerequisite: POSC 503 and one other course in political science

POSC 391-392 Special Topics in Political Science I-II *Six Credits*

The "special topics" courses serve a twofold purpose. They serve as a vehicle for students pursuing a study on an independent basis under the direction of a faculty mentor of a topic which is not covered by the regularly catalogued courses in the academic discipline. The student is required to prepare an outline of the proposed study and must secure a faculty member to serve as mentor. Permission of the departmental/divisional chairman is required.

“Special topics” courses also serve as a vehicle by which a department/division may offer a topical or thematic study not included in the regular course offerings. The specific content is indicated when the course is listed in the schedule of classes.

Prerequisite: Permission of instructor

MODERN LANGUAGES

GERARD R. WEISS, *Professor, Chairman*
 JOSEPH L. BELANGER, *Associate Professor*
 MAURICE G. BIBEAU, *Assistant Professor*
 FRANCOISE B. GREGG, *Assistant Professor*
 JULIAN M. LAMA, *Assistant Professor*
 THOMAS MAESTRO, *Assistant Professor*
 CASIMIR NORKELIUNAS, *Assistant Professor*
 MARION BOLTSON, *Lecturer*
 SIGRID BRANDIS, *Lecturer*
 TINA M. GIOIELLI, *Lecturer*
 MIRIAM SWIDLER, *Lecturer*

REQUIREMENTS FOR A BACHELOR OF ARTS IN FRENCH

1.0	Course Requirements in French		
	FREN 648	3 cr	
	Additional upper level FREN courses denoted by asterisks	33 cr	
		<hr/>	
	CREDIT REQUIREMENT IN FRENCH		36 cr
2.0	Course Requirements in Related Fields		
	Courses selected from the following areas: Philosophy, Religious Studies, Fine Arts, History, Social Studies, Literatures of other languages, other foreign languages	24 cr	
		<hr/>	
	CREDIT REQUIREMENT IN RELATED FIELDS		24 cr
		<hr/>	
	TOTAL CREDIT REQUIREMENT FOR A MAJOR IN FRENCH		60 cr
3.0	Other Requirements		
	Modern Language Association Proficiency Test or Graduate Record Examination as recommended by department.		
	A THESIS MUST BE WRITTEN IN CONJUNCTION WITH THE REQUIRED COURSE FREN 648.		

REQUIREMENTS FOR A BACHELOR OF ARTS IN SPANISH

- 1.0 Course Requirements in Spanish
Upper level SPAN courses denoted by asterisks 36 cr

- CREDIT REQUIREMENT IN SPANISH 36 cr
- 2.0 Course Requirements in Related Fields
Courses Selected from the following areas:
Philosophy, Religious Studies, Fine Arts,
History, Social Studies, Literatures of
Other Languages, Other Foreign Languages 24 cr

- CREDIT REQUIREMENT IN RELATED
FIELDS 24 cr

- TOTAL CREDIT REQUIREMENT FOR A MAJOR IN
SPANISH 60 cr
- 3.0 Other Requirements
Modern Language Association Proficiency Test or Graduate
Record Examination as recommended by department.
ONE OUTSTANDING paper required in a senior level
major course.

FREN 242-243 Elementary French I-II *Six Credits*

The elements of basic French pronunciation, essentials of grammar, vocabulary building, original sentence construction. Reading of graded selections of French prose and verse.

FREN 244-245 Intermediate French I-II *Six Credits*

The elements of basic French pursued more intensely and thoroughly.
Prerequisite: FREN 243 or sufficient background in French

FREN 713 Basic Intensive French I *Six Credits*

Intensive training in all of the language skills. Intended for students who wish to make rapid progress in acquiring oral proficiency and a reading knowledge of the language.

FREN 714 Basic Intensive French II *Six Credits*

Continuation of FREN 713
Prerequisite: FREN 713 or sufficient background in French

FREN 797-799 Intermediate Reading and Conversation I-II *Six Credits*

Drill in the structural patterns and idioms of the spoken language. Reading as a basis for discussion.
Prerequisite: FREN 243 or sufficient background in French



**FREN 863-864 Masterpieces of French Literature
in Translation I-II**

Six Credits

Also listed as ENG 212-213

For non-majors or for majors as a related course. Examination of the greatest 19th century novelists (Stendhal, Balzac, Flaubert, Zola). Main emphasis on contemporary works of Camus, Sartre, Malraux, Mauriac, Anouilh, Ionesco, and others.

FREN 644 History of French Civilization

Three Credits

Aspects of the French past which have contributed to the formation of modern France. Contemporary institutions and the main problems of modern France. In English. For non-majors.

FREN 263 Mainstreams of French Thought

Three Credits

Basic survey of French philosophers and thinkers: Malebranche, Descartes, Pascal, Voltaire, Diderot and the Encyclopediasts, Rousseau, Taine, Renan, Bergson, Alain, Camus, Sartre, Simon de Beauvoir, Gabriel Marcel, and others. In English. For non-majors and for majors as a related field. No previous background of French required.

FREN 250-251 Advanced French

Six Credits

Intensive grammatical review of grammar followed by an analysis of more complex grammatical phenomena through the study of literary texts. Extensive use of idiomatic French in conversation and composition.

Prerequisite: Either FREN 244-245 or FREN 713 or sufficient background in French

FREN 252* Medieval and Renaissance Literature

Three Credits

A survey of French literature from the origins up to 1600; introductory exposition of the evolution of the Vulgar Latin into the Old French. Acquaintance in some depth with: *LaChanson de Roland*, Villon, Rabelais, Ronsard, Montaigne.

Prerequisite: FREN 250-251 or sufficient background in French

FREN 253* Classical Literature

Three Credits

A survey of French literature in the seventeenth century. Acquaintance in some depth with Pascal, Corneille, Racine, Moliere, La Rochefoucauld, La Bruyere.

Prerequisite: FREN 250-251 or sufficient background in French

FREN 796* The Age of Enlightenment

Three Credits

Main currents of thought in France in the Eighteenth Century studied through representative authors: Montesquieu, Prevost, Marivaux, Voltaire, Diderot, Rousseau.

Prerequisite: FREN 250-251 or sufficient background in French

FREN 254* Backgrounds of French Civilization

Three Credits

The geography of France. The characteristic developments in French history, government, art, science, and religion up to the French Revolution.

Prerequisite: FREN 244-245 or FREN 713 or sufficient background in French

FREN 865* The Rise of Modern France and France Today *Three Credits*

French history from the French Revolution to our days. Considerations on French family, religious, educational, political, and social life since World War I; the nature of Frenchmen; the commitments of France today.

Prerequisite: FREN 244-245, FREN 713 or sufficient background in French

FREN 256-257* French Grammar and Composition *Six Credits*

Thorough grounding in French grammar. Analyse logique et grammaticale. Grammatical analysis of literary texts. Writing by imitation. The *explication de texte*, the dissertation. Creative writing. Translation. Phonetics.

Prerequisite: FREN 250-251 or sufficient background in French

FREN 687* The Romantic Movement: 1800-1850 *Three Credits*

The characteristics of French Romanticism exemplified by Lamartine, Hugo, Vigny, Musset; Stendhal, Balzac; Sainte-Beuve; Pre-romanticism as seen especially in Chateaubriand. History: Michelet; Humanitarian thinkers: Amennais, Proudhin.

Prerequisite: FREN 250-251 or sufficient background in French

FREN 646* Realism to Symbolism 1850-1905 *Three Credits*

The Parnassian Movement. Realism and naturalism in Flaubert, Zola, Maupassant, Becque. Literary criticism of Taine. Poetry of Baudelaire, Rimbaud, Verlaine, Mallarme.

Prerequisite: FREN 250-251 or sufficient background in French

FREN 258-688* Advanced Conversation I-II *Six Credits*

Reading of modern literary texts, newspapers, magazines as a basis for discussion. Free conversation based on topics of daily life and cultural interests.

Prerequisite: FREN 244-245 or sufficient background in French

FREN 259* Contemporary French Literature to 1939 *Three Credits*

A survey of the major writers and movements up to World War II; acquaintance in some depth with Peguy, Valery, Claude; Gide, Proust, Giraudoux.

Prerequisite: FREN 244-245 or sufficient background in French

FREN 260* Contemporary French Literature Since 1939 *Three Credits*

A survey of the major contemporary writers and movements since World War II; acquaintance in some depth with Malraux, Mauriac, Sartre, Camus, Montherlant; The New Novel. The Theatre of the Absurd.

Prerequisite: FREN 244-245 or sufficient background in French

FREN 866* The Literature of Revolt in Contemporary French Literature *Three Credits*

Camus, Sartre, Mauriac, Genet, Anouilh and others.

Prerequisite: FREN 244-245 or sufficient background in French

FREN 261* French Poetry *Three Credits*

A study of the content and form of French lyric poetry. Readings in representative authors of various periods.

Prerequisite: FREN 244-245 or a good background in French

FREN 800* Senior Seminar *Three Credits*

Intensive study of a movement, author or theme. Oral reports and discussion. *Explications de textes* and papers.

Prerequisite: FREN 244-245; FREN 256-257; any of the following: FREN 253, 639, 687, 646, 259, 260, 866

FREN 648* Senior Thesis *Three Credits*

A long paper written in French and requiring the use of primary and secondary sources. Training in research methods and writing skills. Under the supervision of the instructor with periodic reports on the work in progress.

Prerequisite: FREN 800

FREN 284-285 Special Topics in French I-II *Six Credits*

The "special topics" courses serve a twofold purpose. They serve as a vehicle for students pursuing a study on an independent basis under the direction of a faculty mentor of a topic which is not covered by the regularly catalogued courses in the academic discipline. The student is required to prepare an outline of the proposed study and must secure a faculty member to serve as mentor. Permission of the departmental/divisional chairman is required.

"Special topics" courses also serve as a vehicle by which a department/division may offer a topical or thematic study not included in the regular course offerings. The specific content is indicated when the course is listed in the schedule of classes.

Prerequisite: Completion of most of the major field requirements.

GERM 264-265 Elementary German *Six Credits*

Emphasis is placed on the acquisition of the fundamental skills of understanding, speaking, reading and writing. The classroom periods are supplemented by intensive practice in the language laboratory.

GERM 266-267 Intermediate German *Six Credits*

A continuation of the elementary course. The Basic language skills are pursued more intensively and thoroughly.

Prerequisite: GERM 265 or sufficient background in German

GERM 269-270 Scientific German I-II *Six Credits*

A course designed to give science and math majors a reading knowledge of German. Extensive reading of German scientific texts.

GERM 652-653 Advanced German I-II *Six Credits*

Extensive use of idiomatic German in conversation and composition is intended to broaden the student's linguistic and cultural knowledge of the language.

Prerequisite: GERM 267 or sufficient background in German

GRK 271-272 Elementary Greek I-II *Six Credits*

An introduction to the language. Emphasis upon Attic morphology, vocabulary and elementary syntax, aiming to provide the student with facility in reading and a solid foundation.

GRK 620 Greek Antiquities *Three Credits*

A series of topics on the family, amusements, economy, political life, mythology, education, etc. of the Greeks. To be taught in English. Recommended for history majors.

GRK 618-619 Intermediate Greek I-II *Six Credits*

Continued study in morphology and syntax with readings of excerpts from the best Greek authors.

Prerequisite: GRK 271-272

GRLT 637-638 Latin and Greek Etymology I-II *Six Credits*

A study of the derivation of English words from Latin and Greek. To be taught in English. Recommended for English majors.

Prerequisite: LAT 361-362, GRK 271-272

ITAL 355-357 Elementary Italian *Six Credits*

Emphasis is placed on the acquisition of the fundamental skills of understanding, speaking, reading and writing. The classroom periods are supplemented by intensive practice in the language laboratory.

ITAL 358-359 Intermediate Italian *Six Credits*

A continuation of the elementary course. The basic language skills are pursued more intensively and thoroughly.

Prerequisite: ITAL 357 or sufficient background in Italian

ITAL 656 The Civilization of Italy *Three Credits*

The main objective of this course is to acquaint the student with the contributions of Italy to Western Civilization with emphasis on Roman, Renaissance and contemporary periods.

ITAL 657-658 Advanced Italian *Six Credits*

Extensive use of idiomatic Italian in conversation and composition is intended to broaden the student's linguistic and cultural knowledge of the language.

Prerequisite: ITAL 359 or sufficient background in Italian

LAT 361-362 Elementary Latin I-II *Six Credits*

A modern approach to the study of Latin grammar and vocabulary. No previous knowledge of Latin required.

LAT 621 Roman Antiquities *Three Credits*

Studies on the population, religion, law, slavery, commerce and industry, daily life and amusements, etc. of the Romans. To be taught in English. Recommended for history majors.

- LAT 363-364 Intermediate Latin I-II** *Six Credits*
 Advanced study of grammar, stressing forms and syntax with easy readings from classical authors.
Prerequisite: LAT 361-362
- LAT 635-636 Latin Composition I-II** *Six Credits*
 Designed to impart knowledge and practice in the structure and composition of the Latin sentence with special emphasis on word choice, correct expression and elegance of style.
Prerequisite: LAT 363-364
- RUSS 586-587 Elementary Russian** *Six Credits*
 Emphasis is placed on the acquisition of the fundamental skills of understanding, speaking, reading and writing. The classroom periods are supplemented by intensive practice in the language laboratory.
- RUSS 588-589 Intermediate Russian** *Six Credits*
 A continuation of the elementary course. The basic language skills are pursued more intensively and thoroughly.
Prerequisite: RUSS 587 or sufficient background in Russian
- RUSS 867 Basic Intensive Russian I** *Six Credits*
 An intensive basic course utilizing an audio-lingual approach and a modified independent learning procedure, designed to give the beginning student a good foundation in the four skills of comprehension, speaking, reading and writing. The language lab and supplementary slides and films for both language and cultural exposure are provided.
- RUSS 868 Basic Intensive Russian II** *Six Credits*
 A continuation of Basic Intensive Russian I
Prerequisite: RUSS 867
- RUSS 622 Russian Study Tour** *Three Credits*
 An inter-semester or summer travel-study course to the Soviet Union. Formal and informal language and cultural classes will be given during the trip.
Prerequisite: RUSS 867 and/or RUSS 588-589
- RUSS 585 Russian Classics I: Nineteenth Century Prose** *Three Credits*
 Selective study of nineteenth century Russian short story, tale, and novel with an emphasis placed on the works of Pushkin, Lermontov, Gogol, Goncharov, Leskov, Turgenev, Tolstoy, and Dostoevsky. To be taught in English.
- RUSS 596 Russian Classics II: Twentieth Century Literature** *Three Credits*
 Selective study of twentieth century Russian drama, poetry, and prose with an emphasis placed on the works of Chekov, Gorky, Kuprin, Blok, Pasternak, Bunin, Sholokhov, Solzhenytsyn, and Nabokov. To be taught in English.

- RUSS 869 Dostoevsky** *Three Credits*
 Reading and study of Feodor Dostoevsky's major works. Analysis of his art and ideas from social, psychological, religious, and literary perspectives. To be taught in English.
- RUSS 870 Tolstoy** *Three Credits*
 Reading and study of Leo Tolstoy's major artistic prose. Analysis of the author's stylistic and ideological development in light of biographical fact. To be taught in English.
- RUSS 592-593 Advanced Russian** *Six Credits*
 Extensive use of idiomatic Russian in conversation and composition is intended to broaden the student's linguistic and cultural knowledge of the language.
Prerequisite: RUSS 589 or sufficient background in Russian
- SPAN 600-601 Elementary Spanish** *Six Credits*
 Emphasis is placed on the acquisition of the fundamental skills of understanding, speaking, reading and writing. The classroom periods are supplemented by intensive practice in the language laboratory.
- SPAN 602-603 Intermediate Spanish** *Six Credits*
 A continuation of the elementary course. The basic language skills are pursued more intensely and thoroughly.
Prerequisite: SPAN 601 or sufficient background in Spanish
- SPAN 821 Basic Intensive Spanish I** *Six Credits*
 An intensive basic course utilizing an audio-lingual approach and a modified independent learning procedure, designed to give the beginning student a good foundation in the four skills of comprehension, speaking, reading and writing. The language lab and supplementary films for both language and cultural exposure are provided.
Prerequisite: SPAN 603
- SPAN 822 Basic Intensive Spanish II** *Six Credits*
 A continuation of Basic Intensive Spanish I
- SPAN 829 Spanish Study Tour** *Three Credits*
 An inter-semester or summer travel-study course in a Spanish speaking country. Formal and informal language and culture classes will be given during the trip.
Prerequisite: SPAN 602-603 or equivalent background
- SPAN 919 Spanish Literature in Translation: Epic Poetry and Drama** *Three Credits*
 Also listed as ENG 198
 A study of representative works in Spanish Epic Poetry, The Golden Age Drama and contemporary playwrights.
- SPAN 920 Spanish Literature in Translation: The Novel** *Three Credits*
 Also listed as ENG 228
 A study of the Spanish Picaresque Novel, the works of Cervantes and representative works of the XIX and XX centuries.

SPAN 838 Latin American Literature in Translation *Three Credits*
Also listed as ENG 276

A study of selected works of South America dealing with the political struggle and development of the continent.

SPAN 839 The Civilization of Spain *Three Credits*

A study of the Spain of today and the Spain of the past, its customs, culture, history, literature and fine arts. This course is offered in English and requires no knowledge of Spanish.

SPAN 840 The Civilization of Latin America *Three Credits*

A study of the culture, history, and fine arts of the Latin American countries: Mexico, Central America, the Caribbean area and South America. This course is offered in English and requires no knowledge of Spanish.

SPAN 814 The Civilization of Puerto Rico *Three Credits*

An in-depth study of Puerto Rico and its people, their history, culture, customs, literature and fine arts. This course is offered in English and requires no knowledge of Spanish.

SPAN 605-606 Advanced Spanish *Six Credits*

Extensive use of idiomatic Spanish in conversation and composition is intended to broaden the student's linguistic and cultural knowledge of the language.

Prerequisite: SPAN 603 or sufficient background in Spanish

SPAN 917 Advanced Intensive Spanish I *Six Credits*

An intensive advanced course designed for Spanish majors and students with sufficient background in Spanish. This course will be beneficial to students preparing to study in a Spanish speaking country. Advanced conversation and composition will be stressed, and at the same time the student will be exposed to Spanish and Latin American culture and civilization.

Prerequisite: SPAN 603 or a good secondary school background

SPAN 918 Advanced Intensive Spanish II *Six Credits*

A continuation of Advanced Intensive Spanish I

Prerequisite: SPAN 917

SPAN 607* Hispanic Civilization: Spain *Three Credits*

The cultural development of Spain through the study of its history, geography, literature and fine arts.

Prerequisite: SPAN 606 or sufficient background in Spanish

SPAN 608* Hispanic Civilization: Latin America *Three Credits*

The cultural development of Latin America through the study of its history, geography, literature and fine arts.

Prerequisite: SPAN 606 or sufficient background in Spanish

SPAN 609-695* Spanish Composition *Six Credits*

Designed particularly for Spanish majors, this course offers intense written practice in Spanish. An introduction to linguistics and the history of the Spanish language are included.

Prerequisite: SPAN 606 or sufficient background in Spanish

SPAN 610-611* Advanced Conversational Spanish *Six Credits*

Designed particularly for Spanish majors, the topics of conversation will center around the culture, history and literature of the Hispanic world.

Prerequisite: SPAN 606 or sufficient background in Spanish

SPAN 612* Medieval Spanish Literature *Three Credits*

From the earliest works of Spanish literature up to and including the literature of the Renaissance period.

Prerequisite: Upper level Spanish language courses or sufficient background in Spanish

SPAN 693* Golden Age Prose and Poetry *Three Credits*

A study of the outstanding poets and prose writers of the Golden Age period.

Prerequisite: Upper level Spanish language courses or sufficient background in Spanish

SPAN 613* Spanish Literature of the Eighteenth and Nineteenth Centuries *Three Credits*

Neo-classicism, Romanticism, Realism.

Prerequisite: Upper level Spanish language courses or sufficient background in Spanish

SPAN 614* Contemporary Spanish Literature *Three Credits*

The generation of 1898 to the present.

Prerequisite: Upper level Spanish language courses or sufficient background in Spanish

SPAN 615* Golden Age Drama *Three Credits*

A detailed study of representative plays of Lope de Vega, Tirse de Molina, Calderon de la Barca, and several other dramatists of this period.

Prerequisite: Upper level Spanish language courses or sufficient background in Spanish

SPAN 616* Cervantes *Three Credits*

The life and writings of Cervantes with a detailed study of the Quijote.

Prerequisite: Upper level Spanish language courses or sufficient background in Spanish

SPAN 681-682* Latin American Literature *Six Credits*

A survey of the major trends in the literature of Latin America. Extensive reading of representative works.

Prerequisite: Upper level Spanish language courses or sufficient background in Spanish

SPAN 617* Seminar *Three Credits*

Intensive study of one movement, author, or literary characteristic.

Prerequisite: Completion of most of the major field requirements.

SPAN 411-412* Special Topics in Spanish I-II *Six Credits*

The "special topics" courses serve a twofold purpose. They serve as a vehicle for students pursuing a study on an independent basis under the

direction of a faculty mentor of a topic which is not covered by the regularly catalogued courses in the academic discipline. The student is required to prepare an outline of the proposed study and must secure a faculty member to serve as mentor. Permission of the departmental/divisional chairman is required.

"Special topics" courses also serve as a vehicle by which a department/division may offer a topical or thematic study not included in the regular course offerings. The specific content is indicated when the course is listed in the schedule of classes.

Prerequisite: Completion of most of the major field requirements

MATHEMATICS

JOSEPH M. RODGERS, *Assistant Professor, Chairman*

KEVIN CAROLAN, *Associate Professor*

JOHN BRODERICK, *Instructor*

JOHN LUMIA, *Instructor*

JOHN RITSCHDORFF, *Instructor*

STELLA YU, *Instructor*

JAMES BOGERT, *Lecturer*

LINUS R. FOY, *Lecturer*

RONALD MIMMS, *Lecturer*

REQUIREMENTS FOR A BACHELOR OF ARTS IN MATHEMATICS

1.0	Course Requirements in Mathematics		
	MATH 387-388, 397, 403-404, 405-406,	24 cr	
	407 (or 399)		
	CMSC 873	3 cr	
	Additional upper level MATH courses denoted by asterisks. (May include EDUC 156)	15 cr	
		<hr/>	
	CREDIT REQUIREMENT IN MATHEMATICS		42 cr
2.0	Course Requirements in Related Fields		
	None	0 cr	
		<hr/>	
	CREDIT REQUIREMENT IN RELATED FIELDS		0 cr
		<hr/>	
	TOTAL CREDIT REQUIREMENT FOR A MAJOR IN MATHEMATICS		42 cr
3.0	Additional Requirements		
	Graduate Record Examination in MATHEMATICS		
4.0	Recommended Courses		
	PHYS 477, 479		

MATH 387 Analysis I *Three Credits*

Introduction to functions, limits, and continuity. The elements of differentiation and integration.

Prerequisite: Four years of high school mathematics or MATH 871

MATH 388 Analysis II *Three Credits*

Transcendental functions, their derivatives and related integrals, the conics, polar coordinates, methods of integration, applications of integration.

Prerequisite: MATH 387

MATH 871-872 Applied Mathematics: A Business Approach *Six Credits*

Sets, linear programming, vectors, matrix algebra, differential and integral calculus, games and queueing theory will be explored on an introductory level.

Prerequisite: For MATH 871: elementary algebra

For MATH 872: MATH 871

MATH 395 Introductory Statistics I *Three Credits*

Description of sample data, simple probability, the binomial and normal curves, estimation and testing of hypotheses, correlation and regression, the Chi-squared distribution.

Prerequisite: MATH 871; or intermediate algebra

Corequisite: CMSC 873

MATH 396 Introductory Statistics II *Three Credits*

In depth study of correlation and regression methods and the Chi-square distribution. Experimental design, non-parametric techniques and specialized statistical techniques in the field of psychology.

Prerequisite: MATH 395

MATH 397 Analysis III *Three Credits*

Solid analytic geometry, vectors, infinite series, partial differentiation, multiple integration.

Prerequisite: MATH 388

MATH 399 Differential Equations *Three Credits*

Solutions to linear and non-linear differential equations are generated by use of integration techniques, series, and transformations. Physical applications are stressed.

Prerequisites: MATH 397 and PHYS 477

MATH 403-404 Mathematical Analysis *Six Credits*

The Real and Complex Number Systems. Basic point set theory. Limits and continuity. Differentiation. Partial differentiation. Theory of Riemann-Stieltjes Integration. Multiple Integrals and line integrals. Vector Analysis. Differential Geometry. Infinite series. Improper Integrals. Fourier series and Fourier integrals.

Prerequisite: For MATH 403: MATH 388

For MATH 404: MATH 403

MATH 405 Abstract Algebra*Three Credits*

Set theory. The real and complex number systems. Integral domains, fields and groups. Survey of such abstract structures as linear algebras, rings and Boolean algebra.

Prerequisite: MATH 406

MATH 406 Linear Algebra*Three Credits*

Abstract systems. Vector spaces and linear transformations. Matrices and matrix operations. Applications of matrices to linear equations. Characteristic value problems and quadratic forms.

Prerequisite: MATH 397

MATH 407 Linear Differential Equations*Three Credits*

Theoretical development of solutions to linear differential equations is based on the concepts of linear algebra.

Prerequisite: MATH 406

MATH 651* Foundations of Mathematics*Three Credits*

Mathematical systems, mathematical logic and proof, the real number system. History and philosophy of mathematics. Readings in mathematical literature.

Prerequisite: MATH 406

MATH 408-409* Applied Mathematics*Six Credits*

Selected topics in at least four of the following: Application of Differential Equations; matrices; complex variables; Fourier series. Laplace transformations. Partial Differential Equations, Algebra and Calculus of vectors; numerical methods.

Prerequisite: For MATH 408: PHYS 477, PHYS, 479, MATH 406 and MATH 407 or MATH 399
For MATH 409: MATH 408

MATH 410* Complex Variables*Three Credits*

Continuity; differentiability; Cauchy-Riemann equations; analytic functions. Complex integration and Cauchy's theorem. Taylor's theorem. Taylor and Laurent series. Residue theory, conformal mapping, harmonic functions.

Prerequisite: MATH 403

MATH 413-414* Probability and Statistics*Six Credits*

Probability. Distribution functions. Moments and moment generating functions. Regression and correlation. Sampling estimation. Testing of hypotheses. Design of experiments.

Prerequisite: For MATH 413: MATH 397
For MATH 414: MATH 413

MATH 415* Numerical Analysis*Three Credits*

An introduction to the fundamental processes of numerical analysis. Ordinary finite differences; central difference and divided differences; numerical solution of equations; numerical approximations to derivatives and integrals; numerical solutions to ordinary differential equations; matrices and simultaneous linear equations.

Prerequisite: MATH 397

Corequisite: MATH 399 or MATH 407

MATH 416* Fundamental Concepts of Geometry *Three Credits*

An introductory course to the concepts of geometry with emphasis on the strong relationship between algebra and geometry. Geometry is studied in terms of various transformations and their groups in the euclidean plane and is followed by a systematic treatment of affine, euclidean and projective spaces over fields with a brief survey of the other geometries.

Prerequisite: MATH 406

Corequisite: MATH 405

MATH 667* Seminar *One Credit*

MATH 418* Seminar *Two Credits*

Consists of weekly meetings to discuss problems relating to projects undertaken by the students.

Prerequisite: For MATH 667: MATH 404

For MATH 418: MATH 667

MATH 419* Elementary Topology *Three Credits*

This course will develop the concepts of Point Set Topology with stress on the abstract notions of continuity, open sets, compactness, and the topological spaces T_2 , T_4 , and Metric. The problem sets will be designed to aid the student in grasping the concepts of topology and to give him an opportunity to explore them on his own.

Prerequisite: MATH 403

MATH 420-421* Special Topics in Mathematics *Six Credits*

Designed for pregraduate mathematics students. Content covered will depend on student and faculty interest, and will be covered either by independent study, directed study, tutorials or seminars. Content will be from such areas as: Real Variable Theory, Topology, Modern Algebra.

Prerequisite: Permission of instructor

PHILOSOPHY

EDWARD P. DONOHUE, *Assistant Professor, Chairman*

D. A. DRENNEN, *Professor*

ITALO BENIN, *Assistant Professor*

THOMAS CASEY, *Assistant Professor*

PHIL 429-665 Philosophical Thinking I-II *Six Credits*

An introductory survey of the principal men, movements, and modes of conceptualization that have shaped Western philosophical thought.

Prerequisite: For PHIL 665: PHIL 429

PHIL 879 Philosophy and Human Existence *Three Credits*

The course is focused on the vital relationships of ideas, as they are expressed in philosophy, and man's life. Great emphasis will be put on the historical dimension of both man's ideas and man's being. Philosophy will be seen as man's historical reflection of himself upon himself, i.e., as the different ways in which man has defined himself in the course of history. This will lead us to the fundamental existential problem concerning the way in which man views himself today.

- PHIL 809 History of Ancient Philosophy** *Three Credits*
 A study of the major themes that formed Western philosophical tradition from the time of the pre-Socratics to Plotinus.
- PHIL 837 History of Medieval Philosophy** *Three Credits*
 The historical emergence of Latin, Greek and Islamic philosophy from the period of the Alexandrines to the Fifteenth Century.
- PHIL 441 History of Modern Philosophy I** *Three Credits*
 An analysis of the movements of philosophical ideas in Europe from the Seventeenth Century through the Nineteenth Century.
- PHIL 443 History of Modern Philosophy II** *Three Credits*
 An analysis of the movements of philosophical ideas in Europe from the Nineteenth Century into the Twentieth Century. PHIL 441 is recommended but not required for PHIL 443.
- PHIL 445 American Pragmatism** *Three Credits*
 A survey of the development of American Pragmatism from the latter part of the Nineteenth Century into the Twentieth Century. Readings are from primary sources in Peirce, James and Dewey.
- PHIL 446 Philosophy of Science** *Three Credits*
 Analysis of scientific knowledge, methodology, and procedures, together with consideration of contemporary notions of space, time, matter, causality, physical laws and life phenomena. Special emphasis will be placed on the historical and social impact of the development of scientific and technological thought in today's world. Limited to Juniors and Seniors who are science majors.
- PHIL 447 Philosophy of Religion** *Three Credits*
 An investigation of the philosophical issues regarding religious phenomena and the implications of religious experience.
- PHIL 449 Philosophy of History** *Three Credits*
 An inquiry into the character of historiographical problems of evidence and explanations.
- PHIL 781 Aesthetics** *Three Credits*
 Appraisal of the major theories and issues of a philosophy of art.
- PHIL 450 Philosophy of Education** *Three Credits*
 This course is designed to aid the student in reflecting on the place and meaning of education in modern American society.
- PHIL 451 Twentieth Century Philosophy I** *Three Credits*
 Historical consideration of classical philosophers of the Twentieth Century including Bergson, F. H. Bradley, and Royce.
- PHIL 454 Twentieth Century Philosophy II** *Three Credits*
 A study of contemporary existentialism, phenomenology, and language

analysis, as well as the philosophers most representative of each school. PHIL 451 is recommended but not required for PHIL 454.

PHIL 456 Marx and Marxism

Three Credits

An analysis of the historical and philosophical ground of Marx's thought. A special emphasis will be placed on its originality, historical impact and humanistic meaning.

PHIL 457 European Social Thought

Three Credits

An attempt to trace the development of European social thought in the Nineteenth Century, with particular emphasis on Hegel, Feuerbach, and Marx.

PHIL 458 American Social Thought

Three Credits

A study of the religious and philosophical foundations of American social thought from the Puritans to the Pragmatists.

PHIL 668-823 Work-Study Seminar in Philosophy

Six Credits

This course is designed to provide selected students the opportunity of participating in new learning experiences in philosophy as teaching assistants. Students enrolled in this course shall meet with groups of students in PHIL 429-665 in the role of discussion leaders and remedial instructors under the direction of the supervising professor. (Registration by approval of the administering professor)

PHYSICAL EDUCATION

HOWARD GOLDMAN, *Associate Professor, Chairman*

WILLIAM AUSTIN, *Assistant Professor*

RONALD PETRO, *Assistant Professor*

SHERI KUPERHAND, *Lecturer*

PHED 890 Soccer

One Credit

An activity course teaching the rules, individual skills and team techniques in soccer. Stress will be on fundamental skills leading to the team play required for the sport. For men only.

PHED 895 Rowing

One Credit

Students are expected to learn the fundamentals of sweep rowing in eights and fours, and sculling in singles. Skills in rowing will be developed which may be used for participation during and after college. For men only.

Prerequisite: Ability to swim

PHED 885 Wrestling

One Credit

Designed to develop basic skills in wrestling with the primary emphasis on holds, take downs, counters to holds, and pinning combinations. Students are expected to develop an understanding of the rules of collegiate wrestling. For men only.

PHED 892 Boxing

One Credit

Students will be expected to develop knowledge, skills, and understand-

ing of the basic fundamentals of boxing. Stress will be on skill rather than competitive aspect of the sport. For men only.

PHED 893 Handball *One Credit*

An activity course to teach the student the skills, rules and strategy of handball and paddleball, with emphasis on the carry-over value of the activity. For men only.

PHED 882 Badminton *One Credit*

An activity course designed to develop an understanding of the game and its rules. Students are expected to be able to master the skills involved and to be able to use these skills in singles and doubles play. Separate sections for men and women.

PHED 881 Volleyball *One Credit*

An activity course designed to develop an understanding of the rules, individual skills and team play in volleyball. Emphasis will be placed on correct methods and skills in playing the game. Separate sections for men and women.

PHED 884 Conditioning *One Credit*

An activity course designed to promote physical fitness and an understanding of the body in today's living. Emphasis will be placed on exercise, weight control, developing physical potential and the mechanics of conditioning in daily living. Separate sections for men and women.

PHED 887 Tennis *One Credit*

An activity course stressing game fundamentals, technique, strategy and rules. Consideration will also be given to selection of equipment, court etiquette, and recreational value of the activity. Separate sections for men and women.

PHED 891 Judo *One Credit*

An activity course to develop knowledge, understanding, and skills in judo as a sport rather than as a combative activity. Separate sections for men and women.

PHED 894 Fencing *One Credit*

A study of fundamental techniques in use of the foil. Positions, terminology, offensive and defensive skills will be presented. Experience in elementary bouts and officiating. Participation is stressed. Separate sections for men and women.

PHED 888 Modern Dance I *One Credit*

Study and practice of dance techniques, movement components, composition and basic elements of choreography. Consideration of dance as a creative art experience. For women only.

PHED 889 Modern Dance II *One Credit*

Further study of dance techniques offered in Modern Dance I.

PHED 880 Golf

One Credit

Instruction and practice in golf skills, evaluation of golf courses, rules, etiquette and strategy. Participation in actual play is a requirement of the course and a "greens fee" is the responsibility of the student. Emphasis on carry-over values stressed. A coed activity.

PHED 883 Archery

One Credit

An activity course stressing beginning techniques of archery. Selection and care of equipment and safety will also be stressed. Emphasis will be on standard shooting techniques with some exploration of hunting and field archery techniques. A coed activity.

PHED 896 Sailing

One Credit

Designed to develop basic seamanship and sailing techniques in the use of sailboats. Students are expected to develop skills in sailing which they can use for participation during and after their college years. A coed activity.

Prerequisite: Ability to swim

PHED 897 Skiing

One Credit

An activity course designed for beginning skiers. Study of equipment, conditioning exercises and safety training for the sport will be included. All beginning skills are taught which will contribute to recreational skiing. A coed activity.

PHED 886 Gymnastics

One Credit

A course designed for students to develop basic skills in tumbling, trampolining and free exercise. Emphasis is placed upon developing individual stunts into a routine. A coed activity.

PHED 464 Physiology of Health

Three Credits

A study of the areas closely affecting the human organism in terms of his responsibility for self-direction of health. Areas covered include: introductory physiology in health, the effects of disease, physiology of reproduction, financial aspects and future trends in health and related areas.

PHED 465 Principles and Problems of Coaching

Three Credits

An introduction to the role of the coach in high school coaching. Emphasis will be placed on his functions as a teacher and administrator in the area of coaching. Specific sports will not be dealt with. Focus will be put on general guidelines and relationships, administrative problems, and personal values. Developing from this will be the lab course dealing with the various sports.

Fall semester only. No prerequisites.

PHED 471 Soccer Coaching

One Credit

472 Basketball Coaching

One Credit

473 Track and Field Coaching

One Credit

474 Baseball Coaching

One Credit

A lab session meeting two times per week designed to be a practical application of PHED 465 dealing with specific activities. Emphasis will be on the techniques of teaching the activity to the athlete, the mechanical analysis of skills, and the problems associated with the activity.

Prerequisite or Corequisite: PHED 465

PHED 468 Special Topics I

One Credit

PHED 690 Special Topics III

Three Credits

An independent study course designed to meet a special interest of the student interested in pursuing independent study. Permission for the study must come from the department chairman upon application by the student.

PSYCHOLOGY AND SOCIOLOGY

DANIEL KIRK, *Professor, Chairman*

WILLIAM R. EIDLE, *Associate Professor*

EDWARD J. O'KEEFE, *Associate Professor*

SAMUEL J. BODANZA, *Lecturer*

ROYALL HASKELL, *Lecturer*

REQUIREMENTS FOR A BACHELOR OF ARTS IN PSYCHOLOGY

1.0	Course Requirements in Psychology		
	PSYC 525-526, 533-534, 536-537, 539, 666	27 cr	
	Additional PSYC Courses selected from the following:		
	PSYC 538, 542, 544, 545, 546, 476, 547	9 cr	
		<hr/>	
	CREDIT REQUIREMENT IN PSYCHOLOGY		36 cr
2.0	Course Requirements in Related Fields		
	BIO 031-033, 034-035	8 cr	
	MATH 395-396, CMSC 873	9 cr	
	PHIL 429-665	6 cr	
	SOC 598	3 cr	
		<hr/>	
	CREDIT REQUIREMENT IN RELATED FIELDS		26 cr
		<hr/>	
	TOTAL CREDIT REQUIREMENT FOR A MAJOR IN PSYCHOLOGY		62 cr
3.0	Other Requirements		
	Graduate Record Examination		
4.0	Recommended Courses		
	ANTH 009, 010		

PSYC 525 Introductory Psychology I

Three Credits

A fundamental treatment of the basic facts and theories comprising the science of psychology; exploration of the nature, scope, and methods involved in the scientific investigation of human behavior, stressing such topics as learning, emotions, personality, sensation, and perception.

PSYC 526 Introductory Psychology II

Three Credits

Also listed as POSC 508

A continuation of the scientific study of human behavior is presented in PSYC 525. The additional topics covered include physiology, abnormality, individual differences, statistics and social processes. Course is open to psychology majors only.

PSYC 547 Political Psychology

Three Credits

The general purpose of the course is to enable the student to achieve a greater understanding and appreciation of the nature and functioning of man, as can be determined through the scientific investigation of his behavior—in particular his behavior in a political sphere. It attempts to broaden the student's cultural and humanities orientation through a deeper knowledge of the human personality, as it manifests itself relative to political processes.

PSYC 533 Personality Development

Three Credits

A study of the genesis, organization and development of the ego from infancy to adolescence. The emphasis is on normal personality development and follows the conceptualizations proposed by Ausubel and other ego theorists.

Prerequisite: PSYC 525

PSYC 534 Personality Development and Psychopathology

Three Credits

A continuation of PSYC 533 in which deviations in ego development are studied. Includes extensive treatment of anxiety, conscience development and parent-child relationships. Implications of psychotherapy are considered.

Prerequisite: PSYC 525 and 533

PSYC 536-537 General Experimental Psychology I-II

Six Credits

A comprehensive course comprising lectures and laboratory on the subject material and methods of experimental psychology. Specific attention is focused upon scientific investigation of such areas as sensation, perception, reaction time, association, attention, emotion, memory, and learning.

Prerequisite: For PSYC 536: PSYC 525

For PSYC 537: PSYC 525 and 536

PSYC 538 Psychological Foundations of Learning

Three Credits

The major emphasis of this course is with the learner in the learning situation. Current psychological theories and practices, their influences, implications, and applications are reviewed. Other areas covered include the developmental processes, the influence of personality and culture, and other relevant psycho-educational variables.

Prerequisite: PSYC 525

PSYC 539 Principles of Psychological Testing

Three Credits

This course encompasses an intensive review of the procedures involved in the administration, scoring, and interpretation of both group and individual tests; a study of the major theories and techniques of intelligence,

aptitude and proficiency testing; a survey of interest and preference tests; and an evaluation of personality and diagnostic tests.

Prerequisite: PSYC 525

PSYC 677 Educational Psychology *Three Credits*

Applied psychology in education; adolescent behavior problems; individual differences; the learning process; motivation; constructive discipline; measurement of intelligence and an evaluation, as related to the educational processes.

Prerequisite: PSYC 525

Open only to students enrolled in the Teacher Education Program.

PSYC 542 Psychological Systems *Three Credits*

A study of the historical development of psychology as a science by detailed analysis of the various schools of thought, systems, and theories that have contributed to its growth. Attention is focused upon the philosophical roots of psychology as well as past and current trends in sensation, perception, learning and motivation.

Prerequisite: PSYC 525

PSYC 544 Social Psychology *Three Credits*

Review of the basic literature in Social Psychology. The behavior of individuals in relation to personality, social and cultural systems.

Prerequisite: PSYC 525

PSYC 545 Physiological Psychology *Three Credits*

History of the Mind-Body Problem, and the mind-body relationship as it is understood today. Emphasis is on the nervous system, particularly the brain. Psychosomatic and somatopsychological problems are discussed.

Prerequisite: PSYC 525

PSYC 546 Bio-Chemical Basis of Behavior *Three Credits*

History and development of the mind-body relationship and a brief review of the nervous system. Particular emphasis is on the endocrine system and its effects on behavior. Psychosomatic and somatopsychological problems related to the function and dysfunction of the endocrine system are discussed.

Prerequisite: PSYC 525

PSYC 666 Supervised Work Experience *Six Credits*

This is a culminating experience designed for all senior majors in psychology. It consists of actual work experience under the direction of the professional staff of the participating agency in cooperation with the members of the department.

Prerequisite: PSYC 525-526; 533-534; 536-537; 539

PSYC 476 Supervised Research *Three Credits*

This is a culminating experience designed for interested senior majors in psychology. It consists of the student designing and executing a research proposal under the direction of one of the members of the department.

- PSYC 523 Special Topics in Psychology I** *Three Credits*
PSYC 527 Special Topics in Psychology II *Three Credits*

The "special topics" courses serve a twofold purpose. They serve as a vehicle for students pursuing a study on an independent basis under the direction of a faculty mentor of a topic which is not covered by the regularly catalogued courses in the academic discipline. The student is required to prepare an outline of the proposed study and must secure a faculty member to serve as mentor. Permission of the departmental/divisional chairman is required.

"Special topics" courses also serve as a vehicle by which a department/division may offer a topical or thematic study not included in the regular course offerings. The specific content is indicated when the course is listed in the schedule of classes.

Prerequisite: Permission of the Chairman of the Department.

- SOC 598 Introduction to Sociology I** *Three Credits*

Introduction to the sociological framework for the understanding of human behavior, through a study of social organization, culture, socialization, primary groups, associations, collective behavior, population, and human ecology.

- SOC 599 Introduction to Sociology II** *Three Credits*

Applications of the sociological concepts introduced in the first semester to the areas of the family, religion, education, minorities, and crime. An investigation of the major trends in contemporary society through a study of urban, industrial, and political man.

- SOC 915-916 Special Topics in Sociology I-II** *Six Credits*

The "special topics" courses serve a twofold purpose. They serve as a vehicle for students pursuing a study on an independent basis under the direction of a faculty mentor of a topic which is not covered by the regularly catalogued courses in the academic discipline. The student is required to prepare an outline of the proposed study and must secure a faculty member to serve as mentor. Permission of the departmental/divisional chairman is required.

"Special topics" courses also serve as a vehicle by which a department/division may offer a topical or thematic study not included in the regular course offerings. The specific content is indicated when the course is listed in the schedule of classes.

RELIGIOUS STUDIES

FLORENCE MICHELS, *Associate Professor, Chairman*

EUGENE C. BEST, *Assistant Professor*

RONALD PASQUARIELLO, *Assistant Professor*

LAURENCE SULLIVAN, *Assistant Professor*

R. RHYS WILLIAMS, *Assistant Professor*

AIDAN FLANAGAN, *Instructor*

Introductory Courses—Open to all Students

- REST 901 Basic Concepts of Religion** *Three Credits*

An introduction to the study of religion, addressing such central problems as the existence of God, religious experience, and current treatments of the problem of religious language.

REST 902 Religion in America

Three Credits

An introduction to the study of religion in America tracing the inter-relationships of Judaism, Catholicism, and Protestantism and the influence of religion on American culture.

REST 904 Introduction to the Old Testament

Three Credits

A study of the history and literature of ancient Israel tracing the development of its theological tradition with attention to its meaning for the modern world.

REST 905 Introduction to the New Testament

Three Credits

A study of the history and life of the early Christian church with emphasis on the basic themes of the New Testament and their impact on contemporary man.

General Courses—Open to all Students

REST 560 Basic Moral Principles

Three Credits

Consideration of basic moral principles. Multiple structuring of response to religious vocation. Maturity of action and the notion of law and individual freedom.

REST 906 Principles of Christianity

Three Credits

A contemporary approach to the study of fundamental Christian principles beginning with an examination of human existence and centering on the person of Jesus viewed from the perspective of the modern world.

REST 907 Principles of Judaism

Three Credits

A description of the fundamental concepts of Judaism and a discussion of the place of this religion in today's world.

REST 908 Eastern Religious Traditions

Three Credits

A study of the religions of India and east Asia including Hinduism, Buddhism, Confucianism, Taoism, and Shinto.

See also: AAST 006 Islamic Thought and Culture, AAST 007 Persian Culture and Civilization, PHIL 447 Philosophy of Religion

REST 566 Comparative Religion

Three Credits

Study of religious expressions in the following dimensions: ritual, mythological, doctrinal, ethical, social, experiential. Selected religious groupings will be probed in an effort to ascertain basic assumptions: concept of divinity; attitude toward afterlife; approach to mystery of evil; position of sacred writings.

REST 548 Contemporary Judaism

Three Credits

A study of current Jewish thought as expressed in the writings of major Jewish religious thinkers.

REST 570 Faith and Human Experience

Three Credits

An analysis of the theological, historical and phenomenological approaches to faith as developed within the vital currents of modern thoughts.

REST 571 Contemporary Religious Education *Three Credits*
Approaches to religious education in the family, the neighborhood, the nation, and the world.

REST 817 Contemporary Western Religious Thought *Three Credits*
A survey of twentieth century western religious thought with attention to the relationship between philosophy and theology. Discussion of selected writings of modern religious thinkers.

Recommended: 6 credits in philosophy or permission of instructor required.

REST 909 Assembly and Sign *Three Credits*
A study of the phenomenon of assembly, comparing the forms (church, synagogue, congregation, etc.) it takes in major religious traditions. A consideration of the use of sign, symbol, and liturgical action.

REST 910 Religion and Society *Three Credits*
An introduction to the sociology of religion. A study of the ways in which society, culture, and personality influence religion, and, conversely, the ways in which religion affects society.

REST 578 Marriage and the Family *Three Credits*
Positive values in marriage studied within a scriptural and theological framework. Consideration of practical and moral aspects of marriage and family life.

Permission of the instructor is required.

REST 816 Theological Themes in Contemporary Literature *Three Credits*
An interdisciplinary study of significant themes in contemporary literature and their relationship to man and the human situation.

REST 562 Contemporary Roman Catholicism *Three Credits*
A study of the origin and development of contemporary Roman Catholicism with a look to the future.

REST 911 Religion in Human Culture *Three Credits*
An introduction to cultural anthropology. Analysis of selected primitive societies from the major ethnic areas of the world. The study of culture, its nature, components, and development as revealed through an examination of similarities and differences. The application of the concept of culture to the understanding of contemporary religion.

REST 549 Christianity, Constantine, and the Establishment *Three Credits*
A study of the process whereby early Christianity with its revolutionary vitality became the religious establishment and some implications for the future following Christian disestablishment.

REST 552 Religions and Religious Thought in America *Three Credits*
A history of nineteenth and twentieth century American religious thought with emphasis on its institutional forms and their interactions with political,

educational and social structures. Especially recommended for American Studies majors and majors in history concentrating on American history.

Advanced Courses—All Have Prerequisites

REST 574 Contemporary Moral Problems *Three Credits*

Discussion of readings on significant socio-moral issues from a broad spectrum of sources.

Prerequisite: REST 560

REST 575 Sources and Resources in Religious Education *Three Credits*

A study in depth of the principles of religious education: the notions of person, revelation, faith, the church and sacrament. A study of the relationship between human experience and religious experience to determine the usefulness of drawing upon the former to create the latter.

Prerequisite: REST 571

REST 579 Man's Search for Meaning *Three Credits*

Man's search for meaning in modern life. Discussion based on selected books concerning critical areas in the life cycle as calling for a religious response.

Prerequisite: Permission of the instructor is required.

REST 912 Advanced Study of the Old Testament *Three Credits*

Seminar in selected aspects of Old Testament study. Topics announced annually.

Prerequisite: REST 904

REST 913 Advanced Study of the New Testament *Three Credits*

Seminar in selected aspects of New Testament study. Topics announced annually.

Prerequisite: REST 905

REST 914 Seminar in Contemporary Western Religious Thought *Three Credits*

A reading seminar studying significant twentieth century western religious thinkers or schools of thought. Topics announced annually.

Prerequisite: REST 817 or permission of instructor

REST 903 Special Topics in Religion II *Three Credits*

REST 923 Special Topics in Religion I *Three Credits*

The "special topics" courses serve a twofold purpose. They serve as a vehicle for students pursuing a study on an independent basis under the direction of a faculty mentor of a topic which is not covered by the regularly catalogued courses in the academic discipline. The student is required to prepare an outline of the proposed study and must secure a faculty member to serve as mentor. Permission of the departmental/divisional chairman is required.

"Special topics" courses also serve as a vehicle by which a department/division may offer a topical or thematic study not included in the regular course offerings. The specific content is indicated when the course is listed in the schedule of classes.

Prerequisite: Permission of the Chairman of the Department

NATURAL SCIENCE

GEORGE B. HOOPER, *Professor, Chairman of the Division*

BIOLOGY

GEORGE B. HOOPER, *Professor*

JOSEPH S. BETTENCOURT, *Assistant Professor*

WILLIAM T. PERROTTE, *Assistant Professor*

HUGH P. TURLEY, *Assistant Professor*

REQUIREMENTS FOR A BACHELOR OF ARTS IN BIOLOGY

1.0	Course Requirements in Biology		
	BIO 031-033, 034-035, 043	9 cr	
	Additional BIO Courses selected from the following:		
	BIO 036, 037, 027, 026, 040, 041, 042, 725, 045, 046, 047, 049, 051	23 cr	
		<hr/>	
	CREDIT REQUIREMENT IN BIOLOGY		32 cr
2.0	Course Requirements in Related Fields		
	CHEM 634-081, or 101-098, and 091-095	8 cr	
	Additional Courses selected from the following:		
	MATH 387, 388, 395, 396		
	PHYS 477-479, 481-483		
	CHEM 102-105, 106-107, 109, 110, 118, 113-114, 793-117, 115-116		
	ERSC 678-597		
	ANTH 009-010		
	ENSC 241		
	GERM 269-270		
	PSYC 546, 545	20 cr	
		<hr/>	
	CREDIT REQUIREMENT IN RELATED FIELDS		28 cr
		<hr/>	
	TOTAL CREDIT REQUIREMENT FOR A MAJOR IN BIOLOGY		60 cr
3.0	Other Requirements		
	None		
4.0	Recommended Courses		
	PHIL 446		

BIO 025 Topics in Biology

Three Credits

A course designed for the non-science major. Approximately twenty

topics relevant to central biological principles and their application in today's society are discussed.

BIO 031-033 General Biology I-II *Six Credits*

An introduction to biological structure, function, diversity, and adaptation at the level of the cell, organism, population, community, and ecosystem.

Three hours lecture. Two semesters.

BIO 034-035 General Biology Laboratory *Two Credits*

Exercises in biological technique at the molecular, cellular and organismal level.

Three hours laboratory per week. Two semesters.

BIO 036 Botany *Four Credits*

An introduction to basic interrelationships of plant structure, function, growth, and reproduction.

Three hours lecture, three hours laboratory per week. One semester.

Prerequisite: BIO 034 or permission of instructor

BIO 037 Embryology *Four Credits*

A study of the principles of growth and development in vertebrates. Emphasis in laboratory is placed on amphibian and chick development.

Prerequisite: BIO 031-033, 034-035

Three hours lecture, three hours laboratory per week. One semester.

BIO 027 Cellular Biology *Three Credits*

A study of the cell as a functional unit through an analysis of the morphology and function of its organelles. Division of labor in the cell is the central theme. Special topics are also discussed concerning cell function.

Prerequisite: BIO 031-033; CHEM 634-081

BIO 026 Genetics *Three Credits*

A study of principles and theories of inheritance. Classical as well as recent studies are discussed.

Prerequisite: BIO 031-033

Three hours lecture, three hours laboratory per week. One semester.

BIO 847 Histology and Microtechnique *Two Credits*

A study of animal tissue organization and types. The student is taught to recognize and identify microscopically animal tissues and organs. The procedures of microtechnique are taught as to the preparation of animal stained tissues for microscopic study purposes.

Prerequisite: BIO 031-033; 034-035

BIO 040 Ecology *Four Credits*

A study of the interrelations between organisms and their environments with emphasis on field techniques.

Prerequisite: BIO 031-033

Three hours lecture, three hours laboratory per week. One semester.

BIO 041 Invertebrate Zoology*Four Credits*

An introduction to representative types of invertebrate animals through laboratory dissections, observations, and experiments with occasional field trips. Lectures emphasize morphology and progressive specialization in morphological development.

Two hours lecture, four hours laboratory per week. One semester.

Prerequisite: BIO 031, 033 and 034

BIO 042 Cell Physiology*Four Credits*

A presentation of modern topics of cellular function. Cellular enzymes, nucleic acids, the cell cycle, and cellular radiobiology are the major topics studied. Control and regulatory mechanisms are taken as the central theme.

Three hours lecture, three hours laboratory per week. One semester.

Prerequisite: BIO 031-033, 034-035, CHEM 634-081, 091-095 or CHEM 101-098, 102-105, or permission of instructor

BIO 050 Fundamental Life Processes*Three Credits*

A televised course offering from New York University's "Sunrise Semester" series. NYU-BIO W23.0023, Fundamental Life Processes. Lectures by Associate Professor Fleur L. Strand. Life processes on many levels, molecular to the intact organism are covered. Integration is achieved through the various organ systems that function to maintain a relatively stable environment. This dynamic homeostasis is a central concept of the course. Nerve, striated muscle, heart and circulation are some of the organs and systems chosen for detailed discussion. Controversial evidence is presented and demonstrations of experiments are included in the broadcasts.

Prerequisite: BIO 031-033, 034-035; CHEM 634-081, 091-095 or 101-098

BIO 043 Junior Project*One Credit*

Required of all juniors. Techniques of literature research and scientific writing are developed. A topic mutually agreed upon between the student and a faculty member is researched from the biological literature and is terminated by the submission of a paper. It is anticipated that a problem discussed in the paper will stimulate an experimental solution during the senior year (Senior Research).

One semester.

Prerequisite: Biology majors

BIO 725 Microbiology*Three Credits*

A study of microorganisms, using bacteria as a representative class, including their taxonomy, physiology and metabolism, and the importance of microbes to man. *Three hours lecture per week. One semester.*

Prerequisite: BIO 031-033, CHEM 102-105, or permission of instructor

Course Corequisite: BIO 848 recommended but not required.

BIO 848 Microbiological Techniques*Two Credits*

Laboratory exercises in the techniques employed in handling microorganisms. The methods are applied to practical problems. Pre- and post-laboratory sessions are scheduled. *Four hours laboratory per week. One semester.*

Prerequisite: BIO 031-033, 034-035; CHEM 634-081 (or 101-098), 091-095 or permission of instructor

Corequisite: BIO 725 recommended but not required.

BIO 045 Evolution*Three Credits*

A study of evolution as a process including a review of the history of evolutionary thought.

Three hours lecture. One semester.

BIO 046 Comparative Anatomy*Four Credits*

A comparative study of the organ systems of protochordates and vertebrates. Laboratory includes the dissection of the shark, necturus and cat.

Prerequisite: BIO 031-033, 034-035

Three hours lecture, three hours laboratory per week. One semester.

BIO 047 Senior Research I*Three Credits*

Seniors may elect to conduct a research project under faculty supervision. A minimum of six hours per week is to be spent on the project. Final evaluation is based on a written report that is submitted to the adviser.

Prerequisite: Permission of instructor, biology majors only.

BIO 051 Senior Research II*Three Credits*

Identical to BIO 047 but intended for senior research projects requiring a second semester of experimental investigation.

Prerequisite: Permission of instructor, biology majors only.

BIO 049 Senior Seminar*One Credit*

Students present reports or prepared arguments on selected central or current biological themes. Class discussion or debate follows.

One hour per week. One semester.

Prerequisite: Biology major

CHEMISTRY

RICHARD LAPIETRA, *Associate Professor*

ROBERT E. REHWOLDT, *Associate Professor*

GEORGE E. McALONIE, *Assistant Professor*

LAWRENCE W. MENAPACE, *Assistant Professor*

MALVIN MICHELSON, *Assistant Professor*

WALTER D. FOUCHER, *Lecturer*

**REQUIREMENTS FOR A
BACHELOR OF ARTS IN CHEMISTRY****1.0 Course Requirements in Chemistry**

CHEM 634-081, or 101-098, 091-095,
102-105, 106-107, 109-110, 113-114,
793-117 32 cr

Additional CHEM Courses selected from
the following:

CHEM 118, 120, 121, 124-125, 126-127 6 cr

CREDIT REQUIREMENT IN
CHEMISTRY

38 cr

2.0	Course Requirements in Related Fields		
	MATH 387-388, 397	9 cr	
	PHYS 477-479, 481-483	8 cr	
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	CREDIT REQUIREMENT IN RELATED FIELDS		17 cr
			<hr/>
	TOTAL CREDIT REQUIREMENT FOR A MAJOR IN CHEMISTRY		55 cr
3.0	Other Requirements	none	
4.0	Recommended Courses		
	PHIL 446		
	GERM 269-270 or RUSS 586-587 or RUSS 867		

CHEM 634 General Chemistry I *Three Credits*

An introductory study of the states of matter, the chemistry of solutions, chemical equilibrium, electrochemistry and chemical thermodynamics.

Three hours lecture and one problem session per week.

CHEM 081 General Chemistry II *Three Credits*

A survey of the chemistry of the elements based on the concept of periodicity and its foundation in the structure and properties of atoms and molecules.

Three hours lecture per week.

**CHEM 091-095 Introductory Physical and Analytical
Laboratory** *Two Credits*

Experimental work in physical chemistry, qualitative and quantitative analysis.

Co-requisite: CHEM 634-081 or 101-098

Four hours laboratory per week.

CHEM 096 The Science of Chemistry *Three Credits*

A course designed for nonscience majors dealing with the development of the science of chemistry and its present impact. It attempts to secure an understanding of the methods and techniques of this science.

Three hours lecture per week.

CHEM 101 General Chemistry (Honors) I *Three Credits*

An introductory study of the states of matter, the chemistry of solutions, chemical equilibrium, electrochemistry, chemical thermodynamics and kinetics. This course proceeds at a faster pace and explores these topics at greater depth than the standard course. Registration only with approval of the instructor.

Three hours lecture and one problem session per week.

CHEM 098 General Chemistry (Honors) II *Three Credits*

A survey of the chemistry of the elements based on the concept of periodicity and its foundation in the structure and properties of atoms and

molecules. This course proceeds at a faster pace and explores these topics at greater depth than the standard course. Registration only with approval of the instructor.

Three hours lecture and one problem session per week.

CHEM 102-105 Organic Chemistry I-II *Six Credits*

The structure and reactions of organic compounds with emphasis on the mechanisms by which these reactions take place. Physical properties, stereochemistry, and the effect of structure on reactivity will also be discussed.

Prerequisite: CHEM 634-081 or 101-098

Three hours lecture per week.

CHEM 106-107 Organic Chemistry Laboratory I-II *Two Credits*

Prerequisite or Co-requisite: CHEM 102-105

Four hours laboratory per week.

CHEM 109 Quantitative Analysis *Four Credits*

The theory and application of classical and modern methods of analysis.

Prerequisite: CHEM 634-081 or 101-098 and 091-095

Two hours lecture, six hours laboratory per week.

CHEM 110 Instrumental Methods of Analysis *Four Credits*

The theory and application of chemical instrumentation to analytical systems.

Prerequisite: CHEM 109 and CHEM 113-114

Two hours lecture, four hours laboratory per week.

CHEM 113-114 Physical Chemistry I-II *Six Credits*

A study of the relationship between the structure and properties of matter and theoretical interpretations of the laws of chemical interaction. Although the course is in the nature of a survey, the topics, thermodynamics, physical and chemical equilibrium, electrochemistry, kinetics, and quantum chemistry, are treated in some detail.

Prerequisite: CHEM 634-081 or 101-098, PHYS 477-479, MATH 397 or permission of instructor.

Three hours lecture per week.

CHEM 793-117 Experimental Physical Chemistry I-II *Two Credits*

A laboratory course designed to lead to an appreciation of experimental methods and interpretation of data in physical chemistry.

Prerequisite or co-requisite: CHEM 113-114

Four hours laboratory per week.

CHEM 115-116 Analytical Procedures I-II *Four Credits*

Selected classical and instrumental procedures with laboratory experience devoted to current environmental problems.

Prerequisite: CHEM 634-081, or 101-098 and 091-095

One lecture hour, three laboratory hours—two semesters.

CHEM 118 Essentials of Biochemistry *Three Credits*

A study of the chemistry and intermediary metabolism of biologically important compounds, including enzymes, coenzymes, and vitamins.

Prerequisite: CHEM 102-105

Three hours lecture per week.

CHEM 119 Experimental Biochemistry *One Credit*

Selected experiments dealing with chemical properties of compounds of biological interest.

Co-requisite: CHEM 118

Four hours laboratory per week.

CHEM 120 Physical Inorganic Chemistry *Three Credits*

An advanced treatment of special topics in physical inorganic chemistry.

Prerequisite: CHEM 113-114

Three hours lecture per week.

CHEM 121 Advanced Organic Chemistry *Three Credits*

An advanced treatment of selected topics chosen by the instructor. These topics may include the theory of resonance, stereochemistry of carbon compounds, and organic reaction mechanisms.

Prerequisite: CHEM 102-105 and CHEM 113-114

CHEM 124 Senior Seminar I *One Credit*

CHEM 125 Senior Seminar II

Two Credits

A program designed to allow the senior student the opportunity to prepare and present topics which he has encountered in the chemical literature and original ideas which he has developed as a result of his accumulated knowledge and reading.

Prerequisite: CHEM 102, 105, 109, 110, 113-114.

CHEM 126-127 Senior Research *Four Credits*

This course is open to senior chemistry majors only. It offers such students the opportunity to do basic research under the supervision of a faculty member. Although there are no formally assigned hours, a student is expected to spend at least four to eight hours per week for two semesters to earn credit. At the end of his work he presents a written report and an oral report to the seminar.

Prerequisite: Students desiring to take this course will be permitted to do so only with the approval of the Chemistry faculty not later than the first semester of the junior year, and apply in writing before the beginning of the second semester.

EARTH SCIENCE

VINCENT F. KOTSCHAR, *Assistant Professor*

ERSC 678 Introductory Earth Science I *Three Credits*

A study of earth formation and physical and historical geology. Special attention is given to geomorphology. Other topics include the historical geology of the New York Region and the study of rock and mineral specimens.

ERSC 597 Introductory Earth Science II*Three Credits*

A study of astronomy (emphasis on the solar system), weather, climate, soils, vegetation, and other factors leading to the understanding of the earth as an abode of man.

ENVIRONMENTAL SCIENCEROBERT E. REHWOLDT, *Director*

This is a new program which offers the student a chance to become part of one of the greatest challenges facing mankind.

It is an interdisciplinary program with emphasis on the natural sciences. Electives, however, should be chosen to give an awareness of the social aspects of environmental control.

REQUIREMENTS FOR A BACHELOR OF ARTS IN ENVIRONMENTAL SCIENCE

1.0	Course Requirements in Environmental Science		
	ENSC 241, 291-292	9 cr	
		—	
	CREDIT REQUIREMENT IN ENVIRONMENTAL SCIENCE		9 cr
2.0	Course Requirements in Related Fields		
	BIO 031-033, 034-035, 036, 040, 848	18 cr	
	CHEM 634-081, or 101-098, 091-095, 115-116	12 cr	
	ERSC 678-597	6 cr	
	ENG 852 or 855 or 246 or 857	3 cr	
	MATH 395	3 cr	
	P. S. 503	3 cr	
		—	
	CREDIT REQUIREMENT IN RELATED FIELDS		45 cr
		—	
	TOTAL CREDIT REQUIREMENT FOR A MAJOR IN ENVIRONMENTAL SCIENCE		54 cr
3.0	Additional Requirements		
	None		
4.0	Recommended Courses		
	PHIL 446		

ENSC 241 Natural History of an Estuary*Three Credits*

Interdisciplinary study of an estuary to demonstrate the interaction of the biological, chemical, geological, and meteorological influences on productivity, using the tidal reach of the Hudson River as a model.

Prerequisite: One year chemistry or biology

ENSC 291-292 Environmental Topics*Six Credits*

Advanced topics in physical environmental problems. Topics to be chosen by instructor. Three hours per week. One semester.

Prerequisite: One year biology and one year chemistry.

PHYSICS

BRIAN H. DESILETS, *Professor*

KATHLEEN R. DESILETS, *Assistant Professor*

PAUL TEICHMAN, *Assistant Professor*

ASHOK KUMAR KAKAR, *Lecturer*

TERRENCE R. SCOTT, *Lecturer*

REQUIREMENTS FOR A MAJOR IN PHYSICS

1.0 Course Requirements in Physics

PHYS 477-479, 481-483 8 cr

PHYS Courses Selected from the following:

PHYS 484, 485, 486-487, 489-490, 491,
492, 493, 496, 497, 498, 499, 480, 500,
501, 899, 900, 755, 756 24 cr

CREDIT REQUIREMENT IN PHYSICS 32 cr

2.0 Course Requirements in Related Fields

CHEM 634-081, or 101-098 and 091-095 8 cr

MATH 387-388, 397, 399 12 cr

CREDIT REQUIREMENT IN RELATED
FIELDS 20 cr

TOTAL CREDIT REQUIREMENT FOR A MAJOR IN
PHYSICS 52 cr

3.0 Additional Requirements

None

4.0 Recommended Courses

PHIL 446

PHYS 469 Principles of Physics*Three Credits*

A general survey course in physics for liberal arts majors. Stress is put on understanding the vocabulary of physics and a verbal explanation of the physical phenomena encountered in one's daily life. No mathematics beyond elementary algebra is required.

PHYS 477-479 General Physics I-II*Six Credits*

An introductory course covering the basic concepts arising in mechanics, heat, sound, electricity and magnetism, optics, and atomic physics. The approach stresses the use of calculus and vector algebra.

Prerequisite: MATH 387-388

PHYS 481-483 General Physics Lab I-II *Two Credits*

The general physics labs are taken simultaneously with the course in general physics. The requirement for this laboratory is dependent on the department in which the student is a major. One credit is assigned to each semester of the laboratory. A series of 12 laboratories are required for each semester; attendance of the pre-laboratory is a requirement.

Corequisite: PHYS 477-479

PHYS 484 Mechanics *Three Credits*

A study of Newtonian mechanics in both fixed and moving coordinate systems. Conservation laws, harmonic motion, gravitational fields and potentials, celestial mechanics, mechanics of continuous media. Introduction to generalized coordinates and Lagrange's equations.

Prerequisite: PHYS 477-479, MATH 399

PHYS 485 Physical Optics *Three Credits*

A brief review of geometric optics followed by a systematic development of physical optics. Major topics: wave propagation, electromagnetic character of light, interference, Fraunhofer and Fresnel diffraction, absorption, scattering, dispersion, and polarization.

Prerequisite: MATH 387, 388, 397, 399, PHYS 477-479

PHYS 486-487 Electricity and Magnetism I-II *Six Credits*

A study of electrostatic fields and potentials, dielectric theory, capacitance, electric current, AC-DC circuits, magnetic properties of matter, transmission lines, Maxwell's equations and their application to electromagnetic wave propagation.

Prerequisite: For PHYS 486: PHYS 477-479, MATH 399

For PHYS 487: PHYS 486

PHYS 489-490 Atomic and Nuclear Physics I-II *Six Credits*

The basic principles of relativity and quantum physics are developed and applied to atomic and nuclear structure and elementary particle theory. Topics included are photoelectric effect, Compton effect, DeBroglie waves, X-ray and electron diffraction, Bohr theory, Zeeman effect, electron spin, nuclear models, natural radioactivity, strong and weak interactions, and fundamental particles.

Prerequisite: MATH 399, PHYS 484

PHYS 491 Solid State Physics *Three Credits*

A course intended as a survey of the field of Solid State Physics. The topics introduced are: crystallography, quantum mechanics, atomic bonding, statistical mechanics, free electron theory and zone theory. The purpose of the course is to introduce the student to the vocabulary of these topics and to some of the elementary calculations in these fields.

Prerequisite: MATH 399, PHYS 484

PHYS 492 Modern Physics

Three Credits

An introduction to the theory of relativity and to quantum mechanics; other special topics to be drawn from contemporary physics.

Prerequisite: PHYS 477-479, 484, 489

PHYS 493 Modern Physics Laboratory

Three Credits

An advanced laboratory course designed to cover a selective number of experiments related to the major field courses with special emphasis placed on topics from modern and atomic physics.

Prerequisite: PHYS 477-479. This course should be taken by senior physics majors.

PHYS 496 Thermodynamics

Three Credits

An introduction to the laws of thermodynamics and the application of these to physical systems. A brief discussion of kinetic theory and transport phenomena.

Prerequisite: PHYS 477-479, MATH 397

PHYS 497 Electronics

Three Credits

A basic course in electron tube and transistory theory and circuit design. The course stresses the functional aspects and relies upon laboratory demonstrations using equipment most often encountered by physicists.

Prerequisite: PHYS 477-479

PHYS 498 Semiconductor Physics

Three Credits

Covers semi-conductor theory, contact and surface properties, PN junctions, semi-conductor measurements, semi-conductor materials, semi-conductor material preparation, semi-conductor devices, design and application.

Prerequisite: PHYS 477-479, 491

PHYS 499 Crystal Physics

Three Credits

A study of interatomic forces, classification of materials, lattice vibrations, specific heat, dielectric properties of crystals, crystal defects, and crystal growth processes.

Prerequisite: PHYS 491

PHYS 480 Seminar

Three Credits

The objective of this course is to integrate the subject matter previously covered by the students in major field courses. It consists of weekly discussions directed by members of the department. Open for major credit to seniors.

PHYS 500 Senior Research Project

Three Credits

This course consists of a cooperative effort between a faculty member and a student. A research topic will be selected which will give the student the opportunity to do some original work while remaining within the limits of his abilities. The topic should be selected in the second half of junior year. A report on the research will be submitted by the student. Open to physics seniors.

PHYS 501 Theoretical Physics*Three Credits*

Topics in this course will be of upper level content. Students who wish to go to graduate school are recommended to take this course. Maxwell's Equation, Fourier Series and other areas of interest to the students and teacher will be covered. Open to seniors.

Prerequisite: PHYS 477-479, MATH 399

PHYS 899 Network Analysis Basic*Three Credits*

Kirchhoff's and the voltage-current relations are developed from electromagnetic field theory. The differential equations describing networks are derived using: loop analysis, nodal analysis and cutset analysis. These equations are solved using the classical techniques and the Laplace Transform. Different applications of the Transform are described—particularly the pole and zero diagram.

Prerequisite: MATH 399, PHYS 486

PHYS 900 Network Analysis Advanced*Three Credits*

The differential equations of networks are solved using state variable techniques, signal flow graphs, and Fourier Series which lend themselves to computer analysis. Matrix parameters are applied to two part networks. Basic network theorems are used to simplify complicated analysis.

Prerequisite: PHYS 899

PHYS 755 Electronic Circuit Analysis*Three Credits*

Actual devices used in circuits like tubes, diodes, transistors, FETs are described so their physical behavior is understood. Various models for the devices are developed. The resulting circuits are analyzed using available techniques. Appropriate computer programs to assist in the analysis will be introduced.

Prerequisite: PHYS 899

PHYS 756 Computer Analysis*Three Credits*

The hardware and software aspects of computers are explained so that their application to science, business, education, etc. can be understood.

Prerequisite: Permission from the instructor for non-physics majors.

SCIENCE**SCI 694 Science and Society***Three Credits*

A course designed for nonscience majors dealing with the present impact of science and technology on society.

SCI 818 Applied Topics in Science*Nine Credits*

As part of the Marist Year at Home Program, Applied Topics in Science offers students a chance to explore in depth the effects of technology on society. An attempt to understand and offer workable solutions to particular environmental problems affecting Dutchess County are to be undertaken.

Prerequisite: Registration with approval of instructor only.

Tuition and Fees

STATEMENT OF FEES

TUITION

Per semester, effective September, 1971 \$875.00

A student with twelve or more semester hours in any semester is considered a full-time student.

Per semester hour

Effective September, 1971 60.00

Room and Board, per semester 600.00

Matriculation fee 25.00

This fee is payable immediately upon the student's acceptance and registration for a degree program. It is non-refundable.

General Deposit 150.00

This general deposit is payable by all new resident students upon their acceptance. It is applicable to their semester room and board upon registration. It is refundable if notice of intention not to attend Marist College is received by the Director of Admissions prior to May 1 or date indicated on acceptance letter. After this date all payments are nonrefundable.

Reacceptance Deposit 25.00

Payable by all students re-admitted to Marist after a leave of absence. This nonrefundable fee reserves academic space and is applied to semester tuition and fees upon registration.

Dormitory Deposit for all returning resident upperclassmen 50.00

Due on or before May 1. Academic dismissal is the only basis for refund.

Dormitory Liability Deposit 50.00

Payable prior to first semester's residency. Applicable to all dormitory damages for which students are assigned responsibility. Deposit must be maintained at a constant balance and is carried forward for the duration of student's residency. Balance is refundable upon graduation or withdrawal.

<i>Application Fee</i>	15.00
<i>Advanced Placement/College Proficiency Examination Fee</i> .	15.00
No charge where credits are waived. When credit and/or grade is given in lieu of formal course work, fee is \$15.00 per credit hour.	
<i>Registration Fee</i>	10.00
Payable each semester. Includes initial parking decal and student identification card. This fee is also applicable to students in good academic standing who have received written permission to be full-time students at another college for a semester; i.e., Visiting Student Program, etc.	
<i>Late Registration Fee</i>	20.00
Payable when a student fails to register prior to the first day of class.	
<i>Activities Fee, full time student</i>	15.00
Payable each semester.	
<i>Activities Fee, part time student</i>	5.00
Payable each semester.	
<i>Deferred examination and reexamination fee</i>	10.00
<i>Graduation Fee (payable by all students upon completion of degree requirements)</i>	25.00
<i>Change of Program Fee (or major field)</i>	3.00
For every change of program issued at the request of the student, payable at the time of request.	
<i>Transcript Fee</i>	1.00
Payable at the time of request.	

Certain science departments require internal key and breakage deposits which are refundable at the end of the semester, providing all materials are returned intact.

EXCESS CREDIT HOURS

The average number of credits for an academic year is 30. The usual number of credits permitted each semester is 15 hours; the minimum—12 (full time). Spring semester billings will be adjusted to reflect any deviation from the normal academic load for which extra charges were incurred.

A student may request permission to take more than the maximum hours to accelerate his course, to make up past deficiencies, or to enrich his program. If permission is granted, the cost of such extra

courses is \$60.00 per credit hour. All laboratory courses (with additional credits) will incur extra charge when total credits for the academic year exceed 30.

Any student repeating a course due to failure or intent to raise a grade is chargeable for the stated number of credits at the regular per hour rate. Full time students will incur this extra charge over and above the regular semester rate, when the course exceeds the range of the entitled 30 hours.

PAYMENT OF FEES

All students registering at Marist College are required to pay tuition and fees in full on or before Opening Day.

Returning students may elect a deferred payment plan upon prior approval of the College Business Office. Fees on the deferred payment plan are payable according to the following schedule:

Fall Semester

- Aug. 31 (1/2 all tuition and fees)
- *Oct. 4 (Payment in full, with NO service charge)
- Oct. 29 (Last date for payment of all fees)

Spring Semester

- Jan. 17 (1/2 all tuition and fees)
- *Feb. 25 (Payment in full, with NO service charge)
- March 20 (Last date for payment of all fees)

* A service charge of \$2.00 per hundred dollars or any fraction thereof, will be added to all outstanding balances after October 4 (Fall) and February 25 (Spring), with the entire outstanding amount due October 29 (Fall) and March 20 (Spring).

Summer Semester

*All tuition and fees in full at time of registration.
No deferred payment plan.*

The College also cooperates formally with two independent agencies which arrange for financing of college costs on monthly payment basis of one to six years. All plans include attractive insurance clauses which provide for coverage of college expenses in the case of death or disability of the parent. Information about any agency may be obtained either by writing directly to the agency listed below, or by inquiry to the Business Office of Marist College.

Insured Tuition Plan
6 St. James Avenue
Boston, Mass. 02166

College Aid Plan
1008 Elm Street
Manchester, N.H. 03101

Many local banks in cooperation with state agencies, also provide financing plans for college costs. Inquiries may be made by writing directly to:

New York: New York Higher Education Assistance Corp.
111 Washington Avenue
Albany, New York 12224

Pennsylvania: Pennsylvania Higher Education Assistance Corp.
Education Building
Harrisburg, Pennsylvania 17126

New Jersey: New Jersey Higher Education Assistance Authority
Division of Higher Education
State Department of Education
Trenton, New Jersey

Local banks will have the address of home-state agency. (See section on Financial Aid.)

NEW YORK STATE INCENTIVE AND/OR REGENTS AWARD

Marist students who are residents of New York State may be eligible for Regents Scholar Incentive Awards or Regents Scholarships. Inquiries and applications concerning these should be directed to:

The University of the State of New York
The State Education Department
Regents Examination and Scholarship Center
99 Washington Avenue
Albany, New York 12210

Applications for these awards should be filed with Albany in early summer to insure receipt of the grant notification prior to the September opening of classes. Students who are recipients of Regents Scholar Incentive Awards, Regents Scholarships, or any other type of financial scholarship or assistance must present evidence of this to the Business Office at the time of registration or as soon as received.

Deductions from semester billings for specified grant amounts may *only* be made upon official notification to the student. All awards not officially acknowledged and presented to the Business Office before fee deadlines will be subject to the schedule of late fees.

The Business Office prefers payment by check. Payments must be made on or before Opening Day either by mail, or in person at the Business Office.

Requests for complete statement of charges and receipt of payments should be made in writing to the business office at the time of the final payment. The receipt will be mailed directly to the student.

STUDENTS WHOSE ACCOUNTS ARE IN ARREARS WILL NOT BE PERMITTED TO REGISTER, ADMITTED TO CLASSES OR EXAMINATIONS, AND WILL NOT BE GIVEN SEMESTER GRADES, A DIPLOMA, OR A TRANSCRIPT OF RECORD.

REFUNDS

Since engagements with instructors and other provisions for education and residence are made in advance by the College for the entire year, the refund rule for each category will be as follows:

TUITION

In the event a student withdraws from the College during the first week of instruction, the total amount of his tuition will be refunded. After the first week, and before the beginning of the fourth week, a refund of one-half tuition will be made. After this time, no refund will be allowed. (See Academic Calendar for specific dates concerning these refunds.)

Should a student withdraw from one or more courses so that he then becomes classified as a part-time student, pro rata refund of tuition will be made according to the above rebate schedule provided that such a reduction of study load occurs during the first week of instruction. To withdraw from a course or from the College, a student must notify the Recorder in writing. A form is provided for this purpose and may be obtained at the Recorder's Office. Simply notifying the classroom instructor or the Dean is insufficient. Procedures to be followed are outlined on this form. In computing the refund, the Business Office accepts the date that the completed form has been received in the Recorder's office.

ROOM

Should the student withdraw from the College during the first three weeks of the semester, the initial dormitory deposit of \$150.00 will cover his room charges for this period. Should he withdraw after beginning of the fourth week, the entire semester room charge will be enforced. Any student withdrawing from the Residence Halls must officially notify the Director of Residence. Date of Notice will be used in determining refund.

BOARD

A refund for the remainder of the semester following the date of the student's withdrawal may be made of the amount paid for board at the per diem college rate. The date used will be the official notification date to the Director of Residence.

Financial Aid

STUDENT FINANCIAL AID AT MARIST

Financing a college education is a serious problem to many young men and women. Besides the usual sources—family assistance, personal savings, and summer earnings—a variety of ways to pay college expenses exist. These are scholarships, grants, loans, and part-time earnings while in school. Since freshmen are not expected to use all of their pre-college savings in one school year, it is wise for them, if they expect to need financial aid later, to apply while seniors in high school. It is much easier for an upperclassman to secure a renewal grant than an initial one. The following types of aid are available to students who attend Marist.

MARIST GRANTS-IN-AID

Marist College has limited funds available for grants to freshmen with superior high school records and with financial need. These grants are automatically renewed each year provided the recipient has maintained the necessary academic index. If you feel that you are qualified scholastically for a Marist Grant you should note this fact on a sheet attached to your application for admission. A Parents' Confidential Statement must be submitted with your application.

Bache & Co. Foundation Scholarship

On yearly scholarship amounting to \$500.00 awarded to an outstanding senior. The award is given to Business or Economics majors.

Peter and Virginia Foy Scholarship Fund

The Peter and Virginia Foy Scholarship Fund is an endowment fund to provide financial assistance to needy students.

Leonidoff Scholarship

Funds for the Dr. A. A. Leonidoff Scholarship Fund were donated by Dr. A. A. Leonidoff for boys and girls in Dutchess County who are entering the medical field or allied studies.

McCann Foundation Inc. Scholarship

There are a limited number of scholarships offered each year under this program. The awards are given to students who have financial need and who have attended high school in Dutchess County.

SCHOLARSHIPS AND GRANTS

New York State Regents Scholarships provide from \$250 to \$1,000 per year to many New York residents. Other states may offer similar awards. Many private scholarships may also be available to you. Ask your high school Guidance Director about this type of aid.

NEW YORK STATE SCHOLAR INCENTIVE AWARDS

Most New York State residents will qualify for grants of from \$100 to \$600 per year, depending upon family income. The grants must be renewed each year. Your application should be sent to Regents Examination & Scholarship Center, State Education Department, Albany, New York 12204. Applications can be made any time during the academic year but preferably should be made during the summer or early in the fall semester.

U.S. GOVERNMENT SPONSORED PROGRAMS

Marist offers you an opportunity to participate in all programs offered under the National Defense Education Act and the Higher Education Act of 1965 as amended. These programs offer grants (gifts), loans, and part-time work. All are for one year only. A new application and Parents' Confidential Statement must be filed each year.

1. *Education Opportunity Grants*

Grants of from \$400 to \$1,000 per year are available to students who qualify on the basis of financial need. An Educational Opportunity Grant can be given only to a student whose family has a gross income (before taxes) of \$9,000 or less. In addition, the expected family contribution to the student's expenses can not be over \$625. This contribution is determined from the Parents' Confidential Statement. Such factors as number of children in the family, number in college, unusual medical or other necessary expenses, etc. are taken into consideration in determining the expected contribution.

Marist receives the EOG funds in two categories, initial and renewal. Since freshmen must be given priority for the initial grants, it is very difficult for an upperclassman to receive a first time award. High school seniors who think they qualify should apply for an EOG for their freshman year.

2. *National Defense Student Loans*

Marist has a generally limited amount of National Defense Student Loan funds from which loans of up to \$1,000 may be given to students

who qualify financially. Students with family incomes of \$12,000 or less receive priority for these loans. These loans bear no interest while the student is in school. Three percent simple interest is charged after he graduates.

3. *Work-Study Jobs*

Marist operates a federally sponsored Work-Study program during the school year and during the summer vacation. Jobs paying a minimum of \$1.50 per hour for a maximum of 15 hours a week are available both on and off campus. Some jobs require special skill (typing ability is very desirable); other jobs are available which require no special skills. Although freshmen are generally advised not to work during their first semester of college, we do assign work-study jobs to a few freshmen who secure the approval of the Director of Admissions. Financial need is the qualification for participating in this program. In general, students whose families have a gross income of \$10,000 or less will qualify.

The Parents' Confidential Statement of the College Scholarship Service is required for the above three programs. These Statements may be obtained from your high school Guidance Office, from the College Scholarship Service at Princeton, or from the Registrar at Marist. When filled out, the form should be sent directly to The College Scholarship Service, Box 176, Princeton, New Jersey 08540, with a request that a report be sent to Marist. This report and a Marist student aid application must be on file before any requests are considered. Although the above three programs are sponsored by the Federal Government, only a limited amount of money is allocated to Marist College. Each year some students who qualify financially do not receive aid because earlier applicants have been given all available funds. The application and the Parents' Confidential Statement must be received at Marist by March 1st in order to insure consideration. At least one month should be allowed for the return of the Parents' Confidential Statement. Late applicants have almost no chance of receiving aid.

INSURED BANK LOANS

Under the Higher Education Act of 1965 as amended, the Federal Government guarantees certain loans to students. For New York State residents this is the New York State Higher Education Assistance Plan. Qualified students may borrow \$1,000 as freshman and sophomores, \$1,250 as juniors, and \$1,500 as seniors. No interest is charged

while the borrower is in college. There are similar plans in operation in all states. These loans are made directly from local banks. Complete information, forms, etc., may be obtained at your local bank. Forms should be sent to the Recorder's Office for the necessary college certification.

PART-TIME EMPLOYMENT

Marist has a Placement Office through which students are placed in part-time private jobs in the Poughkeepsie area. Students interested in part-time work should file an application with the Placement Director and watch the Placement Bulletin Board in lower Donnelly Hall for job openings.



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J. ERNEST BELANGER, M.A. *Resident Director, Spain*

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FRANK J. LAROSE, B.A. *Office Manager*

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JAMES FOSTERAssistant Basketball Coach
LAURENCE HEINEMANNWrestling Coach
JOHN KRENSailing Coach
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RONALD LEVINEClub Football Coach
LEONARD OLSONCross Country Coach, Track Coach
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JOSEPH NORTON, M.A.House Master
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M.S., Indiana University
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M.S., S.U.N.Y. at New Paltz
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Diploma, Pedagogische Hochschule
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B.A., Marist College

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M.A., Fordham University
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 Ph.D., University of British Columbia
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 M.A., Boston College

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 MA., Harvard University
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 Ph.D., University of New Hampshire
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Students and prospective students should read carefully the pertinent sections of this catalog before writing or requesting information as indicated below.

*The post office address is Marist College, Poughkeepsie, N.Y. 12601.
The telephone number is 914—471-3240*

Inquiries should be addressed as follows:

ADMISSION to the freshman class or with advanced standing, information about SCHOLARSHIPS and GRANTS-IN-AID for entering students and requests for catalogs: the Director of Admissions.

READMISSION: the Associate Dean for Student Academic Affairs.

SCHOLARSHIPS and LOAN FUNDS for students in college: the Director of Placement and Financial Aid.

PAYMENT of college bills: the Business Manager.

ACADEMIC WORK of students: the departmental chairman or Associate Dean for Student Academic Affairs.

Requests for TRANSCRIPTS, forms for withdrawal from individual courses: the Recorder.

Requirements for GRADUATION: the Registrar.

CAMPUS EMPLOYMENT: the Director of Placement and Financial Aid.

OFF-CAMPUS EMPLOYMENT: the Director of Placement and Financial Aid.

GIFTS or bequests: the President.

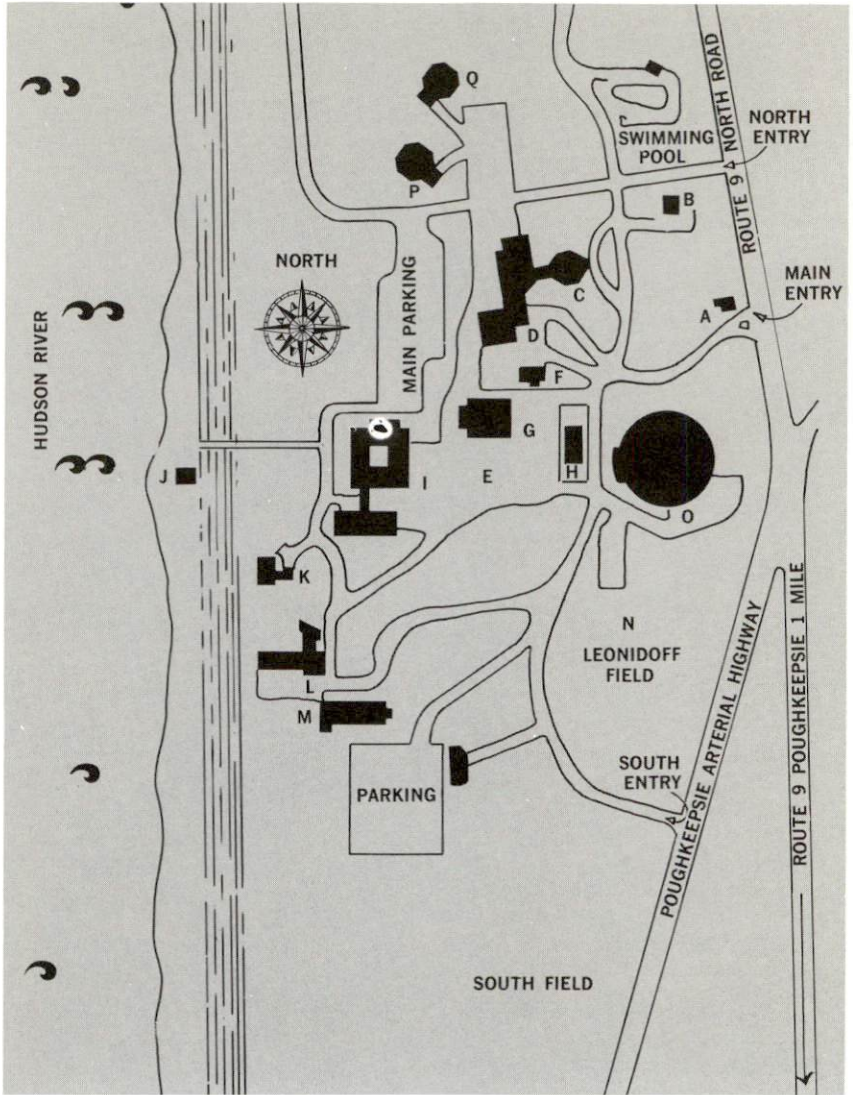
ALUMNI: the President of the Alumni Association.

PUBLIC RELATIONS: the Director of Development.

STUDENT ACTIVITIES: the Dean of Students or the President of the Student Council.

ASSOCIATED COLLEGES OF THE MID-HUDSON AREA: Associate Dean for Student Academic Affairs.

WITHDRAWAL from the College: the Associate Dean for Student



- | | |
|--------------------|---------------------|
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| B. St. Peter's | K. Byrne Residence |
| C. Chapel | L. Leo Hall |
| D. Fontaine Hall | M. Sheahan Hall |
| E. Mall | N. Leonidoff Field |
| F. Greystone | O. Donnelly Hall |
| G. Gymnasium | P. Benoit House |
| H. Adrian Hall | Q. Gregory House |
| I. Champagnat Hall | |

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