

YESHIVA UNIVERSITY

UNDERGRADUATE CATALOG ■ 1991-93



WHERE TO SECURE INFORMATION

YESHIVA UNIVERSITY JOEL JABLONSKI CAMPUS

500 West 185th Street
New York, N.Y. 10033-3299
(212) 960-5400

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Dean, (212) 960-5214
Isaac Breuer College
of Hebraic Studies
Associate Dean of Jewish Studies,
(212) 960-5347

James Striar School
of General Jewish Studies
Associate Dean of Jewish Studies,
(212) 960-5225

Yeshiva Program/Mazer School
of Talmudic Studies
Dean, (212) 960-5344

Sy Syms School of Business
Dean, (212) 960-0845

YESHIVA UNIVERSITY MIDTOWN CENTER

245 Lexington Avenue
New York, N.Y. 10016-4699
(212) 340-7700

Stern College for Women
Dean, (212) 340-7700

Except as indicated, officers listed below
are located at the Jablonski Campus.

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(212) 960-5400

GENERAL ACADEMIC POLICY

HEAD OF EACH SCHOOL
See above

ADMISSIONS, CATALOGS, APPLICATIONS

Undergraduate schools:
DIRECTOR OF ADMISSIONS
(212) 960-5277

Graduate schools:
Contact individual schools

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(212) 960-5269

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(212) 960-5274

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(212) 960-5396

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(212) 960-5330

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(212) 960-5285

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DEVELOPMENT
(212) 960-0863

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(212) 790-0280

The General Counsel is located at
Yeshiva University Brookdale Center,
55 Fifth Avenue, New York, N.Y.
10003-4391.

YESHIVA UNIVERSITY

UNDERGRADUATE CATALOG 1991-93

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Stern College for Women

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ACCREDITATION

Yeshiva University is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, and the following programs by the appropriate professional agencies: the program in medicine, by the Liaison Committee on Medical Education of the American Medical Association and the Association of American Medical Colleges; the programs in clinical and school psychology, by the American Psychological Association; the program in law, by the American Bar Association; the program in social work, by the Council on Social Work Education; the programs in Jewish education, by the Association of Institutions of Higher Learning in Jewish Education and the National Board of License for Hebrew Teachers.

ADMISSION

The University is committed to a policy of equal opportunity and nondiscrimination in admission and all other facets of its educational programs and activities. The University encourages applications from qualified students regardless of sex, religion, age, race, handicap, color, or national origin, within the meaning of applicable law.

CALENDAR

Yeshiva University operates on the semester system. The school year is July 1-June 30. The academic year consists of two semesters, each 15 weeks including examinations; the fall term generally runs from early September to mid-January, and the spring term from late January to early June. Classes meet Sunday through Friday. There is no regular undergraduate summer session. A detailed academic calendar is available on request from the Office of the Registrar.

The University is not responsible for interruptions beyond its control.

ABOUT THIS CATALOG

This Catalog supersedes all previous Catalogs and academic regulations and is binding on all students. It was prepared on the basis of the best information available at the time of publication. The University reserves the right to change tuition, fees, course offerings, regulations, and admission and graduation requirements at any time without prior notice. Students should consult the University bulletin boards in the Office of the Registrar and the Offices of the Deans for changes. Officers listed on the inside front cover of this Catalog may be contacted for the most recent information in their respective areas.

When preparing their programs each semester, students should consult with faculty advisers and academic counselors.

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Morris Silverman, History
Arthur D. Tauber, Health Education

Below is a list, as of July 1, 1991, of those members of the University faculty currently expected to teach undergraduate classes. Those whose title includes the word "adjunct" or "visiting" are part-time at the University; all others are full-time. The faculty is grouped into academic areas composed of the disciplines indicated:

Business—accounting, business law, finance, information systems, management, marketing, statistics for business, taxation.

Humanities—art, classics, English, French, Greek, history, Latin, library, music, philosophy, Russian, Spanish, speech, Yiddish.

Jewish Studies—Bible, Hebrew, Jewish education, Jewish history, Jewish philosophy, Judaic studies, Semitics, Talmud.

Natural Sciences and Mathematics—biology, chemistry, computer sciences, mathematics, physics, science, statistics.

Social and Behavioral Sciences—economics, education, physical education, political science, psychology, sociology.

Phillip G. Abend, Adjunct Professor of Chemistry. B.S., George Washington University; Ph.D., University of Pittsburgh.

Mickey Aboff, Adjunct Instructor in Physical Education. B.S., Yeshiva University.

Ira Altman, Adjunct Assistant Professor of Philosophy. B.A., M.A., City College of New York; Ph.D., City University of New York.

Harvey J. Babich, Associate Professor of Biology. B.A., M.S., Long Island University; Ph.D., New York University.

Joshua Bacon, Associate Professor of Psychology. B.S., City College of New York; M.A., Ph.D., New York University.

Karen Bacon, Associate Professor of Biology. B.A., Yeshiva University; Ph.D., University of California at Los Angeles.

Laurie Banks, Adjunct Instructor in Sociology. B.A., Southern Connecticut State University; M.A., Fordham University.

Moshe Bar-Asher, Rabbi Arthur D. Kahn [Visiting] Professor of Hebrew Literature. B.A., M.A., Ph.D., Hebrew University.

I. Leon Bartfeld, Adjunct Instructor in Computer Sciences. B.S.E.E., National Polytechnic Institute, Mexico; M.S., Pratt Institute.

Noyes Bartholomew, Assistant Professor of Music. Mus.B., Mus.M., University of Nebraska; D.M.A., Columbia University.

Rae Becker, Adjunct Instructor in Art. B.A., M.A., Hunter College; M.Phil., City University of New York.

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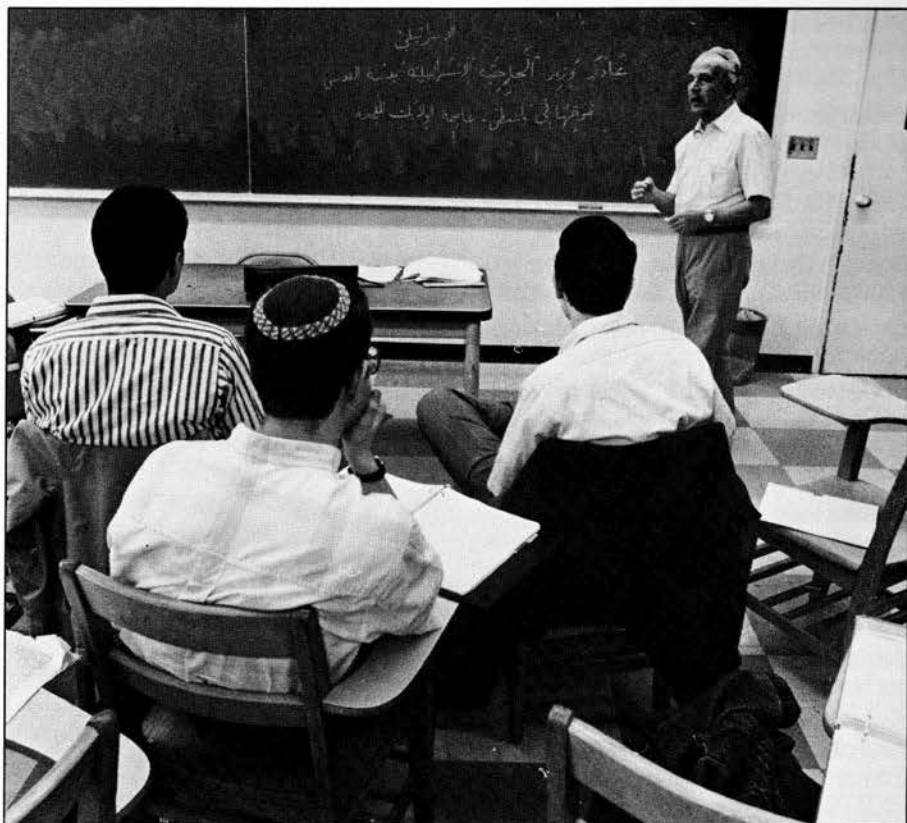
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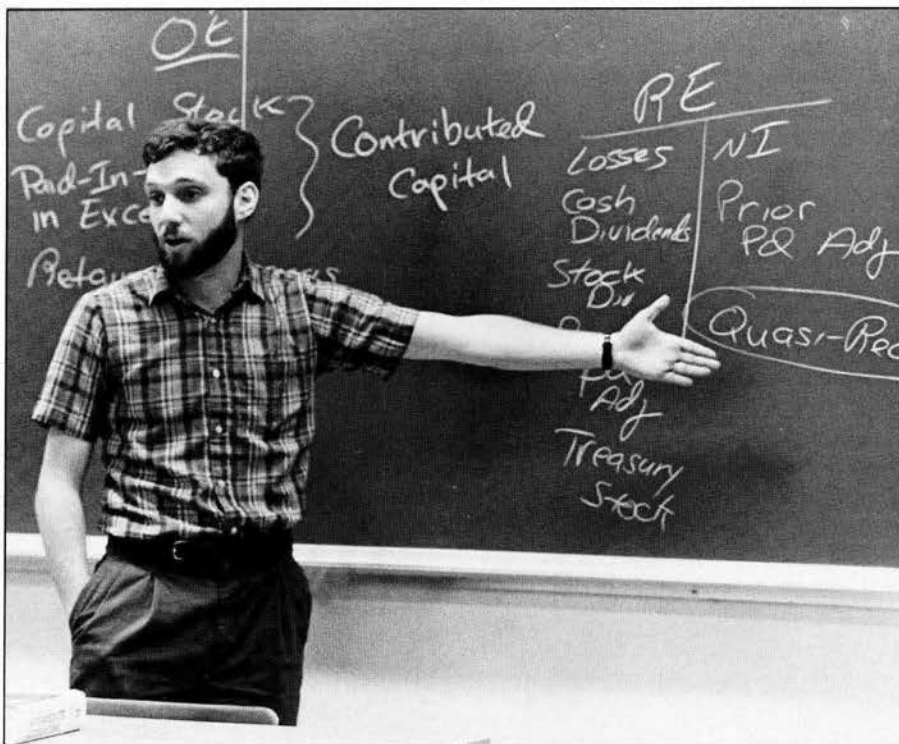
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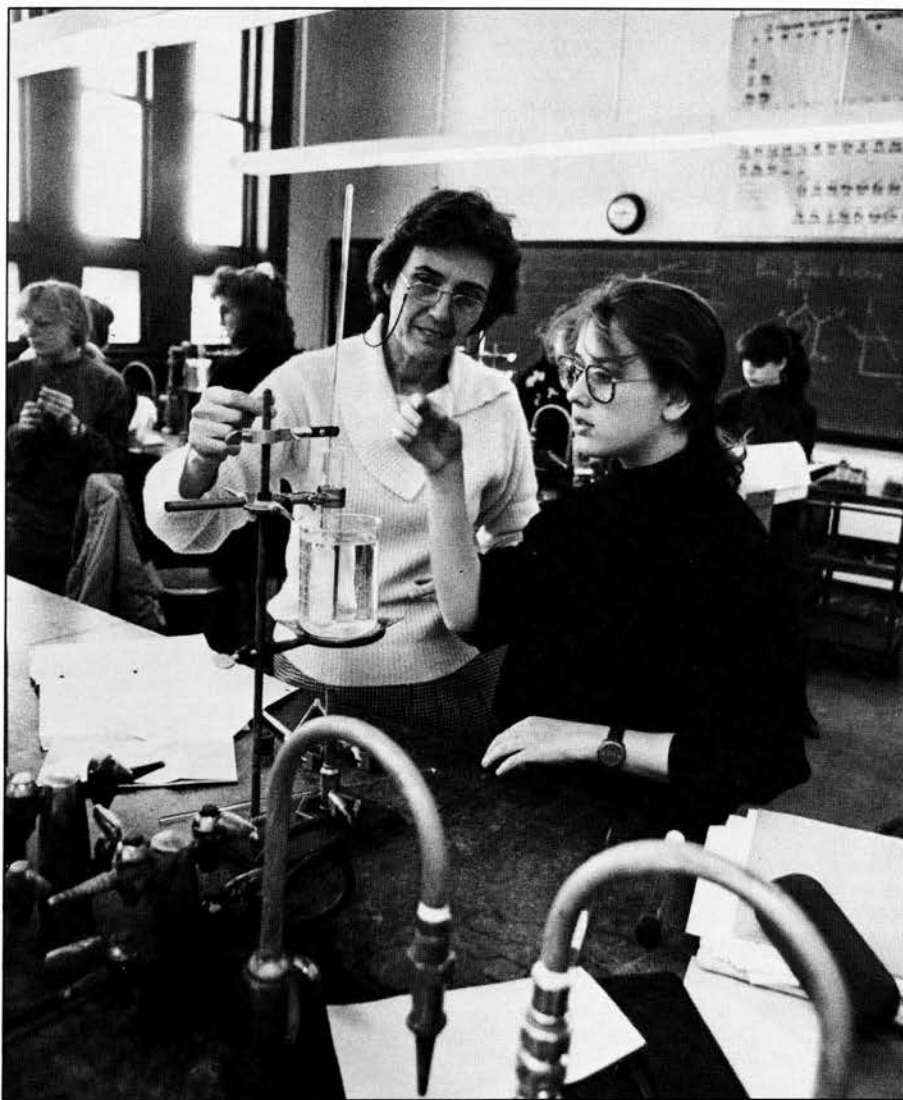
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YESHIVA UNIVERSITY

PURPOSE AND HISTORY

INTRODUCTION

Yeshiva University, in its second century, is an independent institution under Jewish auspices chartered by the State of New York. It is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools and by specialized professional agencies. It offers programs leading to associate's, bachelor's, master's, doctoral, and professional degrees.

In addition to its extensive teaching programs, the University maintains a network of affiliates, conducts widespread programs of research and community outreach, and issues publications. It is also the home of the YU Museum.

The University's thousands of graduates are found throughout the United States and overseas, in every profession. Among its alumni are judges, university professors and presidents, religious leaders, business executives, government officials, artists, writers, doctors, and scientists. The University's roster of honorary degree recipients includes Nobel Laureates, world political leaders, philanthropists, and other individuals committed to the betterment of society.

MISSION

The University's guiding vision is the confidence that the best of the heritage of contemporary civilization—the liberal arts and sciences—is compatible with the ancient traditions of Jewish law and life. On the undergraduate level, this belief is embodied in the dual curriculum under which students pursue a full program of Jewish studies while taking college programs in the liberal arts and sciences and business and receiving specialized preparation for advanced work in a discipline or profession. On the graduate level, this special mission is embodied in emphasis on the moral dimensions of the search for knowledge and the ethical principles that govern professional practitioners.

Yeshiva University is also committed to the love of learning for its own sake (known in Jewish tradition as *Torah Lishmah*) and to teaching and research that stress a striving for excellence.



A third goal of the University is to serve the general and Jewish communities of the city, the nation, and the world by preparing well-trained professionals in several fields and providing pioneering resources for community service.

HISTORY

Yeshiva University traces its origins to Yeshiva Eitz Chaim, founded in 1886 on New York's Lower East Side. Ten years later Rabbi Isaac Elchanan Theological Seminary (RIETS) was founded there, and in 1915 the two schools merged.

Under the dynamic leadership of Dr. Bernard Revel, who served as President from 1915 until his death in 1940, the institution embarked on a plan of educational development and growth. In 1929 the institution moved to its main center—the present Joel Jablonski Campus—in Manhattan's Washington Heights. Liberal arts programs began with the establishment of Yeshiva College in 1928, and the first graduate curriculum (in Jewish Studies) was introduced in 1935.

The election of Dr. Samuel Belkin as President in 1943 inaugurated a new era of expansion. University status was granted two years later by the New York State Board

of Regents. The institution initiated programs of general and professional studies, research, and special projects to benefit many constituencies. These included a college of liberal arts and sciences for women and, in more recent years, graduate schools of medicine, law, social work, and psychology. Dr. Belkin died in 1976, leaving a record of unparalleled achievement.

Dr. Norman Lamm was elected President in 1976. He undertook a complete review of the University's structure and operations, which resulted in the development of new fields of study to expand undergraduate opportunities including a school of business; enrichment of graduate and professional school resources; and establishment of a carefully monitored fiscal system and development program to further the University's goals.

FACILITIES

The University's undergraduate, graduate, and professional schools are located in Manhattan (Joel Jablonski Campus, 500 West 185th Street; Midtown Center, 245 Lexington Avenue; Brookdale Center, 55 Fifth Avenue) and the Bronx (Jack and Pearl Resnick Campus, Eastchester Road and Morris Park Avenue). The Jablonski

Campus, Midtown Center, and Resnick Campus have dormitory and dining facilities. Each school is so conducted as to assure friendly, informal, and educationally sound relationships between students and faculty. All units thus retain the character and virtues of small institutions.

LIBRARIES

The University library system houses more than 900,000 volumes, 759,000 microforms, and 7,790 journals and serial publications in the arts and sciences and Judaica. It is a selective depository for U.S. Government publications.

The Mendel Gottesman Library—a six-story, block-long central library building at the Jablonski Campus—houses the Polack Library, Landowne-Bloom Library, and Mendel Gottesman Library of Hebraica—Judaica. The Hedi Steinberg Library, serving undergraduates, David J. Azrieli Graduate Institute of Jewish Education and Administration, and Wurzweiler School of Social Work, is at the Midtown Center. The Dr. Lillian and Dr. Rebecca Chutick Law Library of Benjamin N. Cardozo School of Law is at the Brookdale Center, and the D. Samuel Gottesman Library of Albert Einstein College of Medicine and Ferkauf Graduate School of Psychology at the Resnick Campus. Special collections of Rare Books and Manuscripts, the University Archives, and the Sephardic Reference Room are located in the Mendel Gottesman Library building.

Yeshiva University students may take advantage of all these collections in person or through interlibrary loan arrangement by making a request at the library serving their particular school.

Special Collections

The University's Rare Books and Manuscripts Division contains several thousand rare Judaica and Hebraica volumes, 39 Hebrew incunabula (books printed before 1500), and over 1,000 literary and historical manuscripts. In 1985, through a major gift, the University acquired an illuminated Bible manuscript completed in Prague in 1489.

Through the beneficence of the Jesselson Family Trusts, the University has acquired a number of rare materials (including Jewish Americana), published a catalog of its incunabula and, in general, made its Judaica collections more accessible to students and scholars.

The University Archives contain private papers and organizational records relating to modern Jewish history and culture. The archives focus on records of Jewish institutions and individuals, and include files, letters, memoirs, clippings, genealogies, and photographs. Some important collections are: Central Relief Committee, Vaad Hatzalah, and Rescue Children, Inc.

Affiliations

Since 1974 the University's libraries have participated in OCLC, the Online Computer Library Center, a network of more than 9,000 libraries. Members of this shared on-line system have access to 23,000,000 catalog records and can borrow materials from OCLC libraries by generating on-line requests.

The University library system is a member of METRO, the statewide Metropolitan Reference and Research Library Agency. Students with legitimate research needs may gain entry to all METRO member-libraries by requesting a METRO card.

In 1988 the library system became a special member of the Research Libraries Group to participate in its program for Jewish studies, and in RLIN, the Research Libraries Information Network. RLIN introduced the capability to handle Hebrew script on line, and thus facilitates cooperative projects among libraries with Hebraica collections.

Each University library maintains affiliations with agencies devoted to its particular specialty, such as Jewish studies, social work, law, and medicine.

COMPUTER FACILITIES

Yeshiva University, recognizing the increasing role of high technology, has greatly enhanced its computer facilities and services. At the Jablonski Campus and Midtown Center, the Hirsch/Polackoff Computer Centers serve undergraduate needs; terminals throughout the campuses provide access to a supermicrocomputer system. Students can also use the many microcomputers, at several locations on the campuses, with instructional, business, scientific, and word-processing software.

CENTENNIAL FACILITIES IMPROVEMENT PROGRAM

The Centennial Facilities Improvement Program is a major effort to renovate, beautify, and preserve all four campuses. It has added colorful street banners and greenery, as well as handsome redwood benches; renovated, redecorated, and repaired buildings; refurbished common areas; and expanded comprehensive security services. These improvements are making the University a safer and more pleasant place to study, live, and work.

In September 1985 the Max Stern Athletic Center was opened at the Jablonski Campus. Constructed through major gifts by Leonard N. Stern and the Max Stern Foundation, the center is a fully equipped facility for the University's sports programs. It houses the regulation-size Melvin J. Furst Gymnasium, exercise rooms, track, areas for fencing and wrestling, locker rooms, and seating for 1,000 spectators.

The Benjamin Gottesman Swimming Pool, adjoining the Max Stern Athletic Cen-

ter, has been completed. It was made possible by a major gift by David S. Gottesman in memory of his father. In addition to the five-lane pool, the multilevel building includes a whirlpool, sauna, steamroom, shower-locker room, and lounge-recreation area.

With the aid of a major gift by Jerome Schottenstein of Columbus, Ohio, a building was acquired for renovation and renamed the Schottenstein Center. The center houses Philip and Sarah Belz School of Jewish Music; Mr. and Mrs. Harry A. Gampel Communications Center, with offices for student publications, radio station WYUR, and student government; offices for other student activities; Schottenstein Theater; Florence and Sol Shenk Facility; and galleries housing innovative art from North America and Israel.

The Jablonski Campus dining hall has been modernized and expanded, through a gift from the Reiss Foundation, and renamed the Furman Dining Hall.

The Herbert and Florence Tenzer Garden at the Jablonski Campus provides the University community an elegant, open-air setting for study and quiet relaxation. Its Benefactors Wall of Jerusalem stone honors YU's outstanding supporters.

Creating a more suburban setting amidst the bustle of New York is the adjacent pedestrian mall: two blocks of Amsterdam Avenue and an adjoining block of 185th Street have become "limited-use" streets, with widened sidewalks, plantings, and street furniture.

At the Midtown Center, lobbies, lounges, dormitory, and dining facilities have been refurbished and redecorated, the buildings improved, and facilities added, including a large number of computer terminals for student use. Through a major gift by David Yagoda, the Hedi Steinberg Library has undergone substantial renovation and expansion.

SECOND CENTURY CAPITAL CAMPAIGN

Yeshiva University is engaged in a \$400,000,000 Second Century Capital Campaign—largest capital campaign ever undertaken for education in the history of the American Jewish community. It will make possible new faculty chairs, enriched academic programs, additional facilities, increased resources for student aid, and expanded service and outreach programs.

The University looks with promise to its Second Century for the continued fulfillment of its goals of education, research, and service to the nation and the Jewish community.

ADMISSION



Admission regulations uniformly applicable to all undergraduate schools are given here; those pertaining to one school alone are given in that school's section of this Catalog. Applicants should consult both sections.

The University is committed to a policy of equal opportunity and non-discrimination in admission and all other facets of its educational programs and activities. The University encourages applications from qualified students regardless of sex, religion, age, race, handicap, color, or national origin within the meaning of applicable law.

APPLICATIONS

WHERE TO APPLY

All correspondence on matters of admission should be addressed to the Office of Admissions, Yeshiva University, 500 West 185th Street, New York, N.Y. 10033-3299.

HOW TO APPLY

Candidates for admission must file an application form, which includes a required essay, available from the Office of Admissions. They must arrange to have a transcript of their high school record and their scores on the required College Board tests, as well as 2 letters of recommendation, forwarded to this office. Applicants are required to report for an interview at the University or with its representative in their

vicinity. By previous arrangement, applicants who come to the University for their interview may sit in on classes and tour the campus with a current student.

WHEN TO APPLY

Candidates may apply any time after completion of their junior year of high school¹, preferably by February 1, but not later than April 15 of the senior year, for admission in the September following their graduation. Applicants are considered on an individual basis for midyear admission.

¹Candidates for early admission (see page 15) may apply after completion of their sophomore year.

REQUIREMENTS

Of primary importance in determining a student's qualifications for admission are the high school scholastic record, College Board scores, and results of statewide tests such as the New York State Regents Examinations.

The Committee on Admissions also considers the applicant's character, personality, and contributions to school and community life.

AVERAGE

To qualify for admission a candidate must present a high school average of 85 or its equivalent. The Committee on Admissions may require higher averages from students who come from schools whose academic standards are not known to the committee.

COLLEGE BOARDS

All applicants² must take tests given by the College Board, of which the University is a member. The results of these tests supplement the high school grades in determining admission, and are also used for placement and guidance. The Scholastic Aptitude Test (SAT) is required.

Optional Tests

1. Modern Hebrew Achievement Test (given only in June), if the student has attended a Jewish high school or has studied Hebrew in high school.
2. American College Testing Program (ACT). The tests are given at various locations and at various times throughout the year.

It is recommended that applicants take the SAT in May of the junior year of high school, or November of the senior year, and the Modern Hebrew Achievement Test in June of the junior year. Although these tests are normally given on Saturday, Sabbath-observing students may take them on Sunday in those months. Full information is available from the Office of Admissions.

Bulletins and applications can be obtained by calling (609) 771-7435 or writing to:

College Board,
Box 6200, Princeton, N.J. 08541-6200

Students who live in the Western states should instead call (415) 654-1200 or write to 6425 Christie Avenue, Emeryville, Calif. 94608.

² Foreign students should see *Foreign Applicants*, page 17.

³ See, however, *Applicants Who Are Not High School Graduates*, below.

UNITS

Applicants must be graduates of an academic high school.³ They must present 16 units of secondary school work in college preparatory subjects. (To earn one unit a student must attend classes in a major subject 180 forty-minute periods per school year; a half unit is given for the same amount of work in a minor subject, i.e., one not requiring preparation.) The 16 units required for admission must include the following:

English	4
Additional language (two years of one language, classical or modern)	2
Social Studies (American, European, or World history)	2
Mathematics (college preparatory)	2
Science (General Science, Biology, Chemistry, or Physics)	2

The remainder of the required 16 units may be chosen from any college preparatory subjects, with no more than 1 to be presented in commercial or minor subjects.

In New York State a Regents Examination must be taken in every subject offered for admission credit if the high school gives such an examination.

NOTIFICATION OF ADMISSION DECISION

Candidates are notified of the action taken on their application after they have completed all requirements for admission as stated above and their files have been reviewed by the Committee on Admissions.

APPLICANTS WHO ARE NOT HIGH SCHOOL GRADUATES

EARLY ADMISSION PROGRAM

To qualify for Early Admission the applicant must complete the junior year of high school, with a minimum of six regular academic-year terms in residence. Fifteen units must be completed, including the following 11:

English	3
Additional Language	2
Social Studies	2
Mathematics	2
Science	2

The applicant must present a high school average of 90 or its equivalent and a minimum score of 600 on each section of the SAT for admission under the regular Early Admission Program, under which the student may take a full college program (normally 15½-16½ credits a semester).

For admission under the Limited Early Admission Program, the student must present a high school average of 85 and a combined score of 1100 on the SAT. Such students may take 12-15½ credits at college each semester.

Under either plan, an interview with a member of the Committee on Admissions is required. Two letters of recommendation are requested from the applicant's high school: one from the principal, another from an instructor of a major academic subject.

Students who satisfactorily complete their first year of college studies will receive a high school diploma upon application. This is generally granted by their high school; if there is any difficulty in this regard, the diploma will be granted by the New York State Education Department. Early Admission Program and Limited Early Admission Program students who receive Title IV federal aid (described on pages 20-21) must receive their diplomas from the New York State Education Department, not from their high school.

COLLEGE COURSES FOR HIGH SCHOOL STUDENTS

Yeshiva University High School seniors with good records may take individual undergraduate courses for which they can later receive college credit if they do not use the courses to meet high school requirements. Details on the individual course plan are available from the Office of the Registrar.

HIGH SCHOOL EQUIVALENCY

Applicants who are not high school graduates (or foreign applicants who do not have the equivalent diploma or cannot produce records) may be admitted if they pass the High School Equivalency Examination administered by New York State (commonly called the "GED test") in addition to performing well on the College Board tests. While the passing mark is a 45 average, the minimum required for admission to Yeshiva University is 50, with a minimum of 40 on each test.

Full details about the GED test may be secured from any high school in New York or, in other states, from the department of education.

A diploma from a correspondence school is not acceptable for admission purposes. Students with such diplomas are required to pass the GED test, as described above.



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YESHIVA UNIVERSITY ISRAEL PROGRAM

The University encourages its students to spend a period of time studying in Israel, preferably through the University's own program, described on page 48. Students may also study at other approved degree and nondegree institutions; the University's policy on transfer of credit from other schools is given below.

ADMISSION WITH ADVANCED STANDING

All transfer of credit and advanced standing is subject to the regulations dealing with residence requirements (see pages 33, 36, 37, 40, 43, and 47).

ADVANCED PLACEMENT PROGRAM (APP)

Freshmen with superior secondary school preparation may qualify for advanced placement. The purpose of this program is to encourage superior students to use their college years to best advantage by allowing them to avoid repetition of work covered in secondary school. The time saved in this manner is available for achieving a broader general education or a more intensive study of the major.

Students who have had college-level courses in high school are urged to take the Advanced Placement Examinations of the College Board, which are given in the following subjects: American history, art, biology, chemistry, computer science, English, European history, French, German, government & politics, Latin, mathematics, music, physics, Spanish. APP examinations are administered during the first week of May at centers throughout the country. Students who wish to take them must register not later than the last week of March. Yeshiva University's policy on credit for such examinations is available from the Office of the Registrar (Form P12.1).

The University administers its own advanced placement examination in Jewish history at the University or at cooperating high schools in January and June of each year.

COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)

Students no longer in high school who have gained knowledge of college-level subjects outside the classroom through correspondence study, television courses, on-the-job training, self-study, or other means may be granted college credit or advanced placement if they can demonstrate their achievement on the tests of the College-Level Examination Program of the College Board. Currently, examinations are given in 40 different subjects. Yeshiva University's policy on credit for such examinations is avail-

able from the Office of the Registrar (Form P12.3).

REGENTS COLLEGE EXAMINATIONS AND COLLEGE PROFICIENCY EXAMINATION PROGRAM (CPEP)

College credit and advanced placement may also be given to students who perform well in a program similar to CLEP that is administered in New York State by the State Education Department (the Regents College Examinations) and in other states by the American College Testing Program. Yeshiva University's policy on credit for such examinations is available from the Office of the Registrar (Form P12.5).

JERUSALEM EXAMINATION

The Jerusalem Examination is in two parts, one on Hebrew language and the other on Hebrew literature. It is administered annually by Hebrew University at various locations throughout the world, including many cities in the United States and Canada. Yeshiva University's policy on credit for this examination is available from the Office of the Registrar (Form P12.7).

EXEMPTION EXAMINATIONS

College credit on the basis of examinations is granted only for the Advanced Placement Program, College-Level Examination Program, College Proficiency Examination Program, and Jerusalem Examination, described above. Where such examinations are not available, a student may be excused (generally without credit) from a basic course taught at the University on the basis of a written examination prepared by the department. A student who wishes to take such an examination should apply to the Office of the Registrar at least three weeks in advance on Form R28.

TRANSFER STUDENTS

Applicants who have attended another college must satisfy the same requirements as applicants who come directly from high school. They must also have maintained a B average at the institution from which they are transferring.

While the University is pleased to encourage the competent applicant who has valid and legitimate reasons for transferring to Yeshiva University, it cannot encourage an applicant with a history of academic or



personal difficulty. University admissions policy restricts consideration for transfer to those students with satisfactory academic and personal records. In the event of academic or personal difficulty, students are usually better advised to remain in their present college and clear their record before attempting to transfer.

Students who wish transfer credit for courses taken at other institutions must file official transcripts of record with the Office of the Registrar no later than two months after beginning their studies at Yeshiva University or two months after completion of the courses, whichever is later. (See also *Coursework*, page 29).

No credit may be transferred if the course grade is below C; or if the subject is technical or vocational or not ordinarily classified as liberal arts or business; or if the course is more than 10 years old. Transfer credits are not placed on a student's permanent record until the student has satisfactorily completed at least 12 credits at Yeshiva University in New York, and may be revoked, either in whole or in part, if subsequent work, either generally or in a particular subject, is not satisfactory.

The maximum credit that may be transferred from accredited, degree-granting institutions is no more than 22 per semester and 43 in a 12-month period. A maximum of 8 credits per semester, or 16 in a 12-month period, and a maximum total of 32 may be granted for study at an approved American nondegree-granting institution. Transfer of credit is subject to several limitations and restrictions. Full details are available from the Office of Admissions (see Form P6A).

Special regulations pertaining to study in Israel are delineated in Form P6Y for men and P6S for women. Transfer students are urged to read these forms carefully to learn the limitations and restrictions on transfer credits. Note also the University's residence requirements (page 16).

Courses transferred from another institution, whether taken before or after admission to Yeshiva University, appear on the student's record with credit value only; grades earned elsewhere are not entered on the records of Yeshiva University, except in programs for which the tuition is paid through the University.

VETERANS

A veteran honorably discharged from the armed forces with service of at least one year may be granted 2 credits for completion of basic training and military service in lieu of Physical Education. Veterans with at least two years of service may be allowed an additional 2 credits in lieu of Physical Education.

Credit for courses taken with the Armed Forces Institute is granted in accordance with the regulations of the New York State Education Department and with the recommendations of the American Council on Education.

FOREIGN APPLICANTS

Applicants from all foreign countries should request and file the special Foreign Student Questionnaire, available from the Office of Admissions, with their applications.

The records of all applicants who have attended foreign schools must be sent to the University evaluation authorities, who will decide whether the records show work equivalent to the completion of an American high school program and whether advanced standing may be granted.

Applicants from non-English-speaking countries may be excused from taking part or all of the required series of College Board examinations and may be allowed to take the Test of English as a Foreign Language (TOEFL). For permission to substitute the TOEFL for the College Board series, applicants should write to the Office of Admissions. A bulletin and other information may be obtained by writing to:

Test of English as a Foreign Language
Educational Testing Service
Box 899
Princeton, N.J. 08541-6200

Students who are unable to take the TOEFL in their country should write to the Office of Admissions, which may permit the substitution of an alternate test site.

Students not fluent in English are required to register in developmental written and spoken English courses their first semester, and to attend such courses until they pass and are permitted to enter the regular composition and speech courses.

CATEGORIES OF STUDENTS

Each admitted student is classified under one of the following categories. Not all schools admit under all categories.

REGULAR STUDENTS

Students admitted with permission to work toward degrees or diplomas are classified as Regular. A Regular student admitted with a condition must resolve it within the time limit set by the Office of Admissions to maintain regular student status.

PROVISIONAL STUDENTS

Students admitted without meeting the full requirements for Regular status are classified as Provisional. If, after two semesters of full-time attendance, such students demonstrate satisfactory performance they may petition the Dean to be reclassified as Regular. While classified as Provisional,

students may be required to take a limited program and must consult with the Dean each semester before registration to review their progress and receive approval of their proposed programs.

TRANSIENT STUDENTS

Applicants who wish to enroll only for certain courses to meet their particular needs at other institutions, without pursuing a regular program leading to a degree or diploma at Yeshiva University, may be admitted as Transient students, with the permission of their home institution and the specific approval of the school of Yeshiva University to which they have applied. Normally students in this category may enroll for not more than a total of 9 credits.

VISITING STUDENTS

With the permission of both schools, students enrolled with Regular or Provisional status in one school of Yeshiva University may register for a limited number of courses at another school as Visiting students.

UNCLASSIFIED STUDENTS

Applicants whose records are not complete or have not yet been evaluated by the time of registration, but who seem to be qualified on the basis of the records available, may be allowed to register for courses as Unclassified students pending the filing or evaluation of their credentials. This status may be continued for a period not exceeding one semester. Such students enroll at their own risk, are treated as Provisional students, and may be dropped at any time if their complete records are not acceptable or are not available.

SPECIAL STUDENTS

Applicants who give evidence of fitness by reason of maturity and previous training and demonstrate ability to maintain standards of progress, but do not qualify for admission under the categories listed above, may be admitted as Special students. No credit is allowed for work completed under this classification.

There is no category of "auditor." A student admitted under one of the above categories may be permitted to audit a class with the written permission of both the instructor and the Dean. Such a student does not participate in classwork and is not given examinations; no grade is given and no record of the auditing is kept, so that no transcript can be issued nor any kind of credit or recognition given.

All students, regardless of their status, must meet all standards and comply with all regulations and requirements.

STUDENT FINANCES

TUITION AND FEES, 1991-92

ALL UNDERGRADUATE STUDENTS

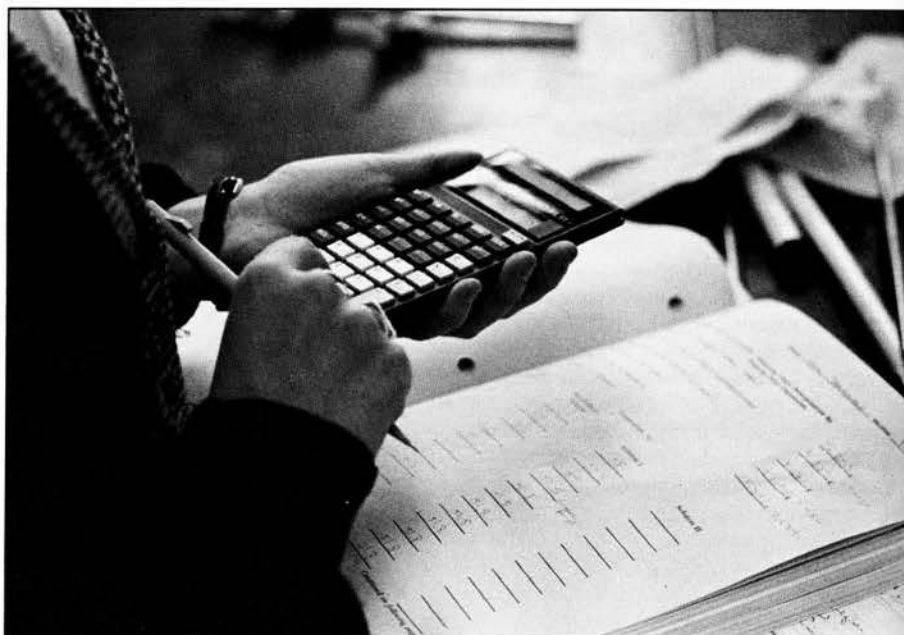
Tuition	\$10,875 per year
University Registration Fee	150 per year
Dormitory Rental	2,500 per year
Dormitory Registration Fee	20 per year
Dining Club Membership ⁴	1,000 per year
Leave of Absence Fee (see page 29)	35 per year
Student Fees ⁵	100-150 per year
Laboratory Fees ⁶	see course descriptions
Change of Program Fee	5 for all changes made at one time
Late Registration Fee	25 per semester
Transcript of Record ⁷	4 each; for rush service 8 each
Graduation Fee	50
Makeup and Exemption Examinations	15 each

Meals are available on an individual basis from the cafeterias at the Jablonski and Midtown campuses and in local restaurants. On-campus food costs average \$2,900 per year for students in residence including the \$1,000 Dining Club Membership fee, and \$2,200 for commuting students.

Part-time students taking fewer than 7 credits a semester are charged \$380 per credit plus a \$25 registration fee.

PAYMENT PROCEDURE

One-half of the total tuition and dormitory charge for the entire academic year, exclusive of fees, is paid prior to completion of academic registration for the Fall Semester. The remaining one-half is payable during the first week in January. The University registration fee, dormitory registration fee, and other miscellaneous fees are paid in full at the time of registration for the Fall Semester.



Students are not permitted to register until all outstanding balances have been paid, or satisfactory arrangements made with the Office of Student Finances.

Checks or money orders are to be made payable to Yeshiva University. All payments must be made directly to the Office of Student Finances; no one else is authorized by the University to accept payments.

No student will be permitted to graduate and no transcripts of record will be issued until all the student's indebtedness to the University has been discharged.

WITHDRAWAL PROCEDURE AND REFUND POLICY

Students who withdraw from school with the written approval of the Dean and Office of the Registrar no later than the dates set by the Office of Student Finances may receive a partial refund of their tuition and dormitory payment upon written application to the Office of Student Finances: 75% during the first two weeks of the semester and 50% during the second two weeks; see *Late Admission and Withdrawal* on page 27. Students who withdraw after the fourth week are responsible for their charges for the entire semester. Under no condition will charges other than tuition or dormitory rental be refunded. Fees are not transferable or refundable.

LIVING EXPENSES

With the exception of tuition, fees, and dormitory rental, living expenses at school are individual matters. Such personal items as food and clothing expenses are naturally subject to a great deal of variation. Meals in the dining halls are served cafeteria style.

Many students find jobs during summer vacations and the school year. Opportunities for employment and earning power usually increase as they progress through college. The income derived from such employment can help offset personal expenses during the school year.

⁴ This is required of all first-time-on-campus students who reside in the University's dormitories in New York, effective Fall 1990.

⁵ Student fees consist of a student activities fee of \$100 for all undergraduates, and a \$50 athletic facility fee applicable only to students at the Joel Jablonski Campus.

⁶ Certain courses, particularly in the sciences, have laboratory fees; these are specified in the course descriptions. Laboratory fees include the cost of consumable supplies and the normal wear and tear and usage cost on equipment. Students whose breakage exceeds the usual amount are charged for the excess.

⁷ When more than one transcript is ordered at the same time, the charge for each succeeding one is \$3 and \$6 for rush service.

THE STUDENT BUDGET

EXPENSES

Expenses are shown for the nine-month school year. All figures are approximate, especially transportation costs. It should be remembered that many of the personal expenses (clothing, laundry, recreation, etc.) and food costs would be incurred even if the student did not attend college. Since laboratory fees vary with program, they are not listed.

SAMPLE BUDGET (1991-92)

	Resident Student	Commuting Student
TUITION AND FEES		
Tuition	\$10,875	\$10,875
Student Fees	100-150	100-150
Registration	150	150
Dormitory	2,500	—
Dormitory Registration	20	—
Dining Club Membership	1,000	—
Subtotal	\$14,645-14,695	\$11,125-11,175
OTHER EXPENSES		
Food	\$1,900*	\$2,200
Books and Supplies	445	445
Personal Expenses	680	680
Transportation	625	625
Subtotal	\$3,650	\$3,950
ESTIMATED BUDGET TOTAL		
	\$18,295-18,345	\$15,075-15,125

*This is in addition to \$1,000 for Dining Club Membership (above).

WHAT IS EXPECTED OF PARENTS AND STUDENTS

A college student's most important single source of financial help is his/her parents. Some families of very modest means can give only minimal support, but the overwhelming majority of parents can and do provide substantial financial help.

Yeshiva University is eager to help parents meet educational expenses, but expects each family to pay as much as it can reasonably afford and as much as other families in similar circumstances. The University expects a family to draw on both current income and accumulated assets to meet education costs.

The gap between the financial resources of many students and the sums needed to meet the expenses of a college education may be filled in many ways, which are not mutually exclusive. These are the areas to be explored:

- Parental support, including family savings and assets;
- The student's personal savings, including trusts and bonds;
- Summer work;

- Part-time work during the school year;
- Loans obtained by parents through family, friends, or commercial organizations;
- Student loans—from Perkins Loans, federal and state guaranteed programs, and the University's loan program;
- Scholarship grants—from Yeshiva University, federal and state scholarship programs, and programs sponsored by community, fraternal, and industrial organizations.

FINANCIAL ASSISTANCE PROGRAM

Students seeking financial assistance from Yeshiva University are required to submit, in addition to the Application for Admission, an Application for Undergraduate Financial Assistance. This application consists of a formal application as well as a Financial Aid Form. It is expected that prospective students will file their Financial Assistance Application at the time they apply for admission. Forms are available from the Office of Student Finances or the Office of Admissions.

Eligibility criteria and the extent and amount of assistance that can be provided through one or more of the programs administered by Yeshiva University are based on evaluation criteria developed by the College Scholarship Service, a cooperative organization of more than 3,000 leading educational institutions. The Service evaluates the student's financial statement and makes an objective recommendation which helps the University determine the amount of any assistance allocated to the student. The University will make every effort to provide the assistance needed by each individual student. At times, however, the availability of student aid funds does not make it possible to meet a student's full need. Sometimes a student and his/her parents may have to supplement the assistance granted through the University by the judicious use of other forms of assistance sponsored by state or community organizations.

The Yeshiva University Financial Assistance Program is the total assistance available to a student from all programs administered by the University:

- University Grants
- Yeshiva University-Sponsored Merit Scholarships
- Perkins Loans
- College Work-Study Program (Student Employment)
 - Summer (full-time)
 - Academic year (part-time)
- Pell Grants and Supplemental Educational Opportunity Grants (federal scholarship programs)

- Yeshiva University Student Loan Program
These programs, subject to change without notice, are described below, as are other sources of assistance:

UNIVERSITY GRANTS

University grants are direct gifts from the University to the student and depend on amount of financial need and student eligibility for funding from other programs. This program is made possible largely by Yeshiva University's National Scholarship Program, supported by communal agencies and individuals throughout the Western Hemisphere.

YESHIVA UNIVERSITY-SPONSORED MERIT SCHOLARSHIPS

The *Max Stern Scholars Program*, established by the Max Stern Foundation in memory of the late honorary chairman of the Board of Trustees, is designed to identify and attract to the University exceptionally gifted students with a commitment to Jewish studies. The program provides financial assistance up to \$20,000 over the four undergraduate years of study at either undergraduate location in New York—as long as excellent academic achievement is maintained—as well as special seminars, colloquia, and lectures.

Max Stern Scholars are chosen on the basis of:

- High School average of A;
- SAT scores generally in at least the 95th percentile of American college freshmen;
- Three 250-500 word essays;
- Recommendation of high school teachers and principal, as well as communal leaders, attesting to scholarship and leadership;
- Demonstrated commitment to the unique undergraduate educational philosophy of Yeshiva University—*Torah U-Madda*;
- An interview with the selection committee.

The *Jacob Burns Scholars Program* was established as a tribute to the generosity and dedication of Jacob Burns, a major supporter of the University and chairman, Board of Directors, of its Benjamin N. Cardozo School of Law. The program is designed for exceptionally gifted students interested in pursuing a course of study at Sy Syms School. It provides financial assistance up to \$20,000 over four undergraduate years of study at either undergraduate location in New York.

Applicants are selected on the basis of the following criteria:

- High school average of A;
- Superior verbal and math SAT scores, ranking at a minimum in the 95th percentile of scores nationwide;

- Demonstrated commitment to the unique undergraduate educational philosophy of Yeshiva University;
- Leadership potential as indicated by extracurricular involvement in both school and community;
- An interview with the selection committee;
- Commitment to the pursuit of a course of study at Sy Syms School.

Financial aid based on academic achievement is also awarded through the *Dr. Samuel Belkin Undergraduate Scholars Program*. Named for the University's second president, the program includes awards of \$1,500 per year—\$6,000 over four years—as long as the student maintains high academic standing.

Max Stern, Jacob Burns, and Dr. Samuel Belkin Scholarships are available only to students in residence in New York.

PERKINS LOANS

(Formerly National Direct Student Loans)

Application Procedures: Application is made through the Application for Undergraduate Financial Assistance to the Office of Student Finances. Forms, as well as specialized information on loan cancellation provisions for borrowers who go into certain fields of teaching or specified military duty, are available from this source.

Selection of Recipients and Allocation of Awards: Loans are available to students enrolled at least half-time in approved postsecondary institutions.

Award Schedule: Amounts which may be borrowed are: up to \$2,500 by students who have completed less than two years of a program leading to a bachelor's degree or who are enrolled in a vocational program; up to \$5,000 by students who have completed two years toward a bachelor's degree, to include any amount borrowed through a Perkins loan for the first two years of study; up to \$10,000 for graduate study, to include any amount borrowed through a Perkins loan for undergraduate study. *These are maximum ceilings. Actual awards are based on availability of funds.*

Rights and Responsibilities of Recipients: The current interest rate, payable during the repayment period, is 5% on the unpaid principal. Repayment begins nine months after graduation or leaving school, and may extend over up to 10 years. Payment is not required for up to three years of active U.S. military service, or service in the Peace Corps, VISTA, or similar national program.

COLLEGE WORK-STUDY PROGRAM (CWS)

Application Procedures: Application is made through the Application for Undergraduate Financial Assistance to the Office of Student Finances. Eligibility is determined and work arrangements made.

Selection of Recipients and Allocation of Awards: The applicant must be enrolled at least half-time in an approved postsecondary institution.

An institution must make employment reasonably available to all eligible students in the institution who are in need of financial aid. In the event that more students are eligible for CWS than there are funds available, preference is given to undergraduate students who have great financial need and who must earn a part of their educational expenses.

Award Schedule: The postsecondary institution arranges jobs on campus, or off campus, with public or private nonprofit agencies, such as hospitals, for up to 35 hours per week during the summer, and 15 hours per week during the academic year.

Factors considered by the financial aid office in determining whether, and how many hours, the applicant may work under this program are: financial need, class schedule, academic progress, and health status.

Level of salary must be at least the legal minimum wage; maximum wage is dependent on the nature of the job and applicant qualifications.

Rights and Responsibilities of Recipients: Satisfactory academic progress must be maintained (see page 27).

PELL GRANTS

The completed Financial Aid Form must be filed directly with the College Scholarship Service according to the directions included on it. A calculated Student Eligibility Report will be sent to the applicant. Based on this the amount of the applicant's award is determined by the financial aid officer at the postsecondary institution attended. Upon enrollment, funds are credited to his/her institutional account.

Selection of Recipients and Allocation of Awards: The Pell Grant Program is an entitlement program. Scholastic accomplish-



ment has no bearing on eligibility. The applicant must be enrolled as an undergraduate student, at least on a half-time basis, in an approved postsecondary institution and must need financial assistance to continue his/her education.

Financial need is determined by a formula applied to all applicants; it was developed by the U.S. Office of Education and is reviewed annually by Congress. The student eligibility index is calculated by this formula.

Pell Grants are usually paid for up to four years of study. If the student is enrolled in a program that requires five years of study for a first degree, or if he/she is required to complete noncredit remedial courses to prepare for degree-credit enrollment, a fifth year award may be paid.

Award Schedule: The amount of the award will be affected by costs of attendance and full- or part-time enrollment status. The Pell Grant is not duplicative of State awards. The maximum award is \$2,400.

Rights and Responsibilities of Recipients: The student must continue to make satisfactory academic progress in the program in which he/she is enrolled (see page 27). The student must not owe any refunds on Pell Grant or other awards paid, or be in default on repayment of any student loan.

Before receiving payment, the student must sign an affidavit, available from the institutional financial aid office, that all money received will be used for the costs of attendance only. This certification is part of the Application for Undergraduate Financial Assistance.

SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS (SEOG)

Application Procedures: Application is through the Application for Undergraduate Financial Assistance to the Office of Student Finances, which is responsible for determining who receives a Supplemental Grant, and the amount.

Selection of Recipients and Allocation of Awards: The applicant must be: (1) in exceptional financial need, to the extent that without a Supplemental Grant award his/her education could not be continued; (2) enrolled at least half-time as an undergraduate student in an approved postsecondary institution; and (3) enrolled in an institution which will provide the applicant with additional financial assistance at least equal to the amount of the Supplemental Grant award.

Award Schedule: The award ranges from \$200 to \$1,000. Normally an award may be paid for up to four years, or for five years for certain courses of study. However, the total amount that may be awarded is \$4,000 for a four-year course of study, \$5,000 for a five-year course of study.

Rights and Responsibilities of Recipients: The student must continue to make satisfactory academic progress (see page 27).

YESHIVA UNIVERSITY STUDENT LOAN PROGRAM

This program is generally available to eligible students. A total of \$1,500 maximum per year may be borrowed at 5% interest. Repayment begins nine months after the end of education and ends 10 years later. Eligibility is determined by financial need.

OTHER SOURCES OF ASSISTANCE

In addition to the University-administered programs mentioned above, the following sources of assistance are worthy of consideration:

Stafford Student Loan Program, New York State

Application Procedures: Students must obtain a loan application from a participating New York State lending institution (bank, credit union, etc.) in their area of permanent residence, or use the application included with their aid award letter.

The completed application is presented to the financial aid officer at the postsecondary institution being attended. The application is then sent to the lending institution and the New York State Higher Education Services Corporation.

A counseling session or an interview, or both, may be required by the lending institution. For the school year beginning in the fall, funds may not be disbursed earlier than August 1. In order to insure receipt of funds before registration, applications should be completed by June 15.

Selection of Recipients and Allocation of Awards: To be eligible for a guaranteed loan, a student must be: (1) a United States citizen or permanent resident; and (2) enrolled in or admitted as a matriculated, at least half-time, student at an approved college, university, or other postsecondary institution.

Loan Schedule: An undergraduate may borrow up to \$2,625 a year for the first two class years, and \$4,000 a year for the second two years, up to a total of \$13,250.

Rights and Responsibilities of Recipients: A student may borrow at a relatively low interest rate (currently 8%) with no repayment as long as he/she remains enrolled at least half-time, and for six months after he/she ceases to be at least a half-time student. Payment of principal may further be deferred during study under a graduate fellowship program approved by the U.S. Secretary of Education, during up to three years of active U.S. armed forces service, during up to three years as a full-time Peace Corps or VISTA or similar national program volunteer, or during up to 12 months of

unsuccessful search for full-time employment.

If a student applies for an additional loan, application must be made to the original lending institution.

Four months after ceasing to be at least a half-time student, the borrower must make formal arrangements with the lending institution to begin repayment. The following regulations apply:

1. Depending on the amount of the loan, the minimum monthly payment will be \$30 plus interest. Under unusual and extenuating circumstances the lender, on request, may permit reduced payment.

2. The maximum repayment period is 10 years.

3. The maximum period of a loan from the date of the original note may not exceed 15 years, excluding authorized deferments of payments.

4. Repayment in whole or in part may be made at any time without penalty.

Other State and Stafford Loan Programs

All states have guaranteed loan programs for legal residents, thereby making it easier and often less expensive for them to borrow for education. These programs provide for long-term loans to be made directly to students. The loans are usually administered by commercial banking institutions.

Interested students should contact their state education department for specific information. In order to insure receipt of funds before registration, applications should be completed by June 15.

New York State Tuition Assistance Program (TAP)

Application Procedures: New York State residents must apply annually to the New York State Higher Education Services Corporation, Tower Building, Empire State Plaza, Albany, N.Y. 12255. The application deadline for any academic year is March 31 of that year. Application forms are mailed beginning in April to all students who received a TAP grant or Regents Scholarship award the previous year, as well as to approved postsecondary institutions and high schools in New York State.

The Higher Education Services Corporation determines the applicant's eligibility and mails an award certificate directly to the applicant indicating the amount of the grant. The applicant presents the institutional copy of the certificate at the time of payment of tuition. The postsecondary institution may defer payment on the basis of receipt of the award certificate.

Selection of Recipients and Allocation of Awards: The Tuition Assistance Program is an entitlement program. There is neither a qualifying examination nor a limited number of awards. The applicant must: (1) be a New York State resident and a United States

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citizen or permanent resident; (2) be enrolled full time and matriculated at an approved New York State postsecondary institution; (3) have, if dependent, a family net taxable income below \$50,500 (for first-time recipients in 1991-92); and (4) be charged a tuition of at least \$200 per year.

Undergraduate students may generally receive TAP awards for four years of study. Students enrolled in approved five-year programs, or in a State-sponsored opportunity program, may receive undergraduate awards for five years. No student (including opportunity students) may receive awards for more than a total of eight years of undergraduate and graduate study.

Academic Requirements: In addition to meeting all the above requirements, the student must be in good academic standing and making satisfactory academic progress (see page 27). Minimum standards of good academic standing and satisfactory academic progress are established in accordance with the Regulations of the Commissioner of Education, State of New York (see Form P25U, available in the Office of the Registrar).

Award Schedule: The amount of the award is scaled according to level of study, tuition, and net taxable income. Students desiring to know the amounts they would get should contact the Office of Student Finances.

New York State Regents College Scholarships

Application Procedures: Applicants may obtain information and application forms from the high school and file them with the high school principal.

Selection of Recipients and Allocation of Awards: Regents College Scholarships are awarded competitively for full-time postsecondary study in New York State in: (1) an approved degree, certificate, or diploma program offered by a college or other degree-granting institution; (2) a hospital school program leading to licensure or certification; and (3) a two-year program in a registered business school not authorized to grant a degree.

Basis of the award is the Scholastic Achievement Test (SAT) or American College Testing Program Assessment (ACT) score. These examinations may be taken more than once, with the highest score used as the basis for the award.

A total of 18,843 scholarships is allocated by county. Additional scholarships are allocated to insure that each approved high school has at least one scholarship for each 40 graduates of the previous year.

The applicant must: (1) have been a legal resident of New York State for at least one year immediately preceding the first term for which application for an award is made; (2) either graduate from high school by the end of the school year in which the examination was taken or be accepted as a full-time matriculated student at a college or other approved school located in New York State by September of that year; and (3) not previously have competed for a Regents Scholarship. Requirements two and three may be waived for reasons satisfactory to the Commissioner of Education.

Award Schedule: The award is \$250 per year, for up to five years, depending on the normal length of the program in which the recipient is enrolled.

New York State Regents Awards for Children of Deceased or Disabled Veterans

Application Procedures: A special application, obtained from the high school principal or counselor, must be filed with the New York State Higher Education Services Corporation, Tower Building, Empire State Plaza, Albany, N.Y. 12255. Documentary evidence to establish eligibility is required with the application. Any high school counselor can provide assistance with this.

Selection of Recipients and Allocation of Awards: The applicant must be: (1) the child of a veteran who died, or who has a current disability of 50% or more, or who had such disability at the time of death, resulting from U.S. military service during one of the following periods:

April 16, 1917-November 11, 1918
December 7, 1941-December 31, 1946
June 25, 1950-July 27, 1953
October 1, 1961-March 29, 1973

and (2) a legal resident of New York State. Legal residence in New York State on the part of the parent is also required: at the time of entry into military service, or, if the parent died as the result of military service, at the time of death.

Regents awards to children of deceased or disabled veterans are independent of family income or tuition charge, and are in addition to such other grants or awards to which the applicant may be entitled.

Award Schedule: The amount of the award is \$450 per year, for up to five years, depending on the normal length of the program of full-time study in a college or in a hospital nursing school in New York State.

Canada Student Loans Plan

The purpose of the Canada Student Loans Plan is to make bank loans available to Canadian students who need financial assistance to enable them to engage in full-time study toward a degree.

To be eligible a student must: (1) be enrolled, or intend to enroll, as a full-time student; (2) be a Canadian citizen or have lived in Canada at least a year; and (3) declare the intention to live in Canada after graduation. (Quebec Province grants loans only to students studying in the province.)

The maximum that may be borrowed by a student is \$1,500 in any one year, and not more than \$6,000 in aggregate. Students are normally expected to repay the total amount of the debt over a period of 5 to 10 years after graduation or termination of full-time study.

For complete information on scholarships, student employment, loans, and other methods of educational financing, consult the Office of Student Finances, Yeshiva University, 500 West 185th Street, New York, N.Y. 10033-3299, (212) 960-5269.

STUDENT WELFARE AND ACTIVITIES



HOUSING

The University maintains residence halls at both the Joel Jablonski Campus and the Midtown Center: Leah and Joseph Rubin Residence Hall (2501 Amsterdam Avenue) and Morris and Celia Morgenstern Residence Hall (2525 Amsterdam Avenue) border the Danciger Quadrangle; Ruth and Hyman Muss Residence Hall (526 West 187th Street) is a renovated wing of Joseph and Faye Tanenbaum Hall, the institution's historic Main Building; Brookdale Residence Hall (50 East 34th Street) is near the Stern College buildings. Application forms for accommodations are sent to students who have been admitted and have submitted the required registration fees. Undergraduates who do not live with parents or relatives customarily reside in these dormitories.

The residence halls are intended to provide an environment that promotes the University's educational purposes and enhances the student's personal growth and development.

Residence Hall Supervisors and Resident Assistants offer guidance in regard to academic, social, and personal adjustment, and help maintain a suitable atmosphere.

Student organizations sponsor a variety of club programs, discussions, and lectures.

Dormitory facilities include study halls, lounges with television sets, laundry rooms, snack vending machines, and game rooms.

A dining hall at each center serves meals cafeteria style. Dining halls are generally open for breakfast, lunch, and dinner seven days a week during the school year, including holidays. They are closed during the summer, spring recess, and intersession. Food vending machines are also available at various locations at each center.

Shabbat on campus is a special time: student clubs offer Shabbat programs; prominent scholars, YU administrators and faculty, often with their families, remain on

campus to share meals and give lectures; Shabbatonim bring students at both undergraduate locations together; and Shabbat Hospitality enables students to stay with families in the community.

GUIDANCE AND COUNSELING

The student's present well-being and future plans are among the primary concerns of Yeshiva University. Guidance and counseling services are designed to help solve academic and personal problems, fulfill the student's potential, and achieve a close relationship among all members of the University family. Orientation week helps the incoming student adjust to college life and develop the skills needed for maximum achievement.

The University Office of Student Affairs coordinates the University's guidance and counseling programs. Programs have been developed in the following areas:

Academic Advisement

Counselors, deans, and faculty members help students develop an academic program that will realize their full human potential while preparing them to achieve vocational goals. They are available to discuss courses and majors, to interpret College regulations and requirements, and to offer whatever direction they can regarding personal problems. Besides advising students about summer school, honors work, independent study, CLEP exams, and professional options, counselors oversee the progress of probationary students until they firmly establish themselves.

Career Services

Through personal and group interviews and meetings, students are helped to assess their career interests. The career services staff, as well as professors in the various divisions, advise students on career opportunities, graduate schools, and other relevant programs, and ways to develop career interests. In periodic career-opportunities programs, students learn about a variety of fields from practicing professionals.

Business Placement

The Placement Office at Sy Syms School provides a full range of services (job fairs, guidance in resume preparation and interview techniques, workshops, career days, on-campus recruitment, full-time placement, summer and part-time positions) for all undergraduates seeking employment in the business sector.

Psychological and Personal Guidance

Short-term psychological guidance and counseling are available to students who are experiencing emotional difficulties. They may range from problems in adjusting to the academic environment to more serious personal problems. These consultations are wholly confidential. Appropriate referrals, are made, when necessary, to licensed mental health practitioners in consultation with students and their parents. Students desiring to discuss questions relating to spiritual values and observance are encouraged to consult the appropriate counselor.

Early Admission and Freshman Advisement

Direction and assistance are provided for students having their first encounter with the college experience. To help bridge the gap between high school and college and to effect a smooth transition, individual conferences are held during the course of the year.

Health Sciences Advisement

Students contemplating graduate study in the health sciences are urged to meet with the Pre-Health Sciences Adviser during their freshman year, and to attend all informational meetings dealing with preparation for the Medical College Admission Test, the application process, and professional school selection during the junior and senior years.

Pre-law Advisement

Students considering graduate study in law are urged to meet with the Pre-Law Adviser during their freshman year. Intensive guidance services dealing with preparation for the Law School Admissions Test, the application process, and professional school selection are provided during the junior and senior years.

Jewish Service Advisement

Students contemplating professional careers in the Jewish service field have many resources available to them.

The Max Stern Division of Communal Services of the University's affiliated Rabbi Isaac Elchanan Theological Seminary offers guidance in such fields as Jewish education, community organization, and youth leadership, and arranges appointments with appropriate officers of Wurzsweiler School of Social Work.

It counsels in the areas of the rabbinat, chaplaincy, and cantorial work, arranging meetings with the appropriate officers of Rabbi Isaac Elchanan Theological Seminary and its Philip and Sarah Belz School of Jewish Music.

International Student Advisement

The University Office of Student Affairs is the coordinating center for foreign students. The International Student Adviser prepares and issues documents necessary for the Immigration and Naturalization Service, and offers guidance. The office also helps in interpreting federal rules and regulations. Instructors and major-subject advisers are available for consultation. Administration members available for counseling are the Dean of the school, Registrar, and Senior Vice President.

OUTREACH PROGRAMS

Undergraduates may take part in a number of community outreach programs, including the Ivan L. Tillem Program for Special Services for the Jewish Elderly.

MEDICAL SERVICES

The Medical Director reviews the health forms of entering students. Whenever physical defects become apparent, corrective measures are taken through the student's family physician. The medical

service functions primarily for preventive purposes. A medical office and infirmary are located on each campus.

All injuries and accidents to students while engaged in classroom work will be reported by the staff member in charge of the course. Students are required to report immediately to the school office any other injury suffered on University premises. A detailed listing of procedures to be followed in case of accident or illness is distributed to all students at the beginning of the school year, and is available in the Medical Office and in the Office of the Dean of Students.

STUDENT GOVERNMENT

Each school has a Student Council, the chief body dealing with matters affecting students and their various relationships with the faculty, administration, and extracurricular activities organizations. The various councils cooperate in matters concerning more than one school.

In addition to the student councils, Yeshiva College, Sy Syms School, and Stern College have Senates that include students, faculty, and alumni. They share responsibility with the administration for governing the affairs of the school. In addition, students in all schools are represented on important school and departmental committees and actively participate in decisions regarding the educational and administrative aspects of their school.

SCHOTTENSTEIN CENTER

The Schottenstein Center at the Joel Jablonski Campus houses the Mr. and Mrs. Harry A. Gampel Communications Center, with offices for student publications, radio station WYUR, and student government; Schottenstein Theater for the Dramatics Society; and other facilities for student activities.

EXTRACURRICULAR ACTIVITIES

Despite the heavy undergraduate course load, extracurricular activities are important mechanisms for the student's physical and intellectual development and the integration of all aspects of the educational process. All full-time students who are not on probation are eligible to participate in these activities; others require permission of the Dean. Students on probation should see page 27.

Students are encouraged to take advantage of the unequalled cultural and recreational facilities of New York for furthering their particular interests, whether in the theater, music, art, sports, or any other field.

Athletics

The athletic program, which includes intercollegiate team sports, intramurals, and recreation, is designed to provide students, on a voluntary basis, with opportunities to

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develop skills in recreational activities. The men's intercollegiate varsity sports include: basketball, cross-country, fencing, golf, tennis, volleyball, and wrestling. The women's intercollegiate teams are basketball and tennis. The University is a member of the National Collegiate Athletic Association, Eastern College Athletic Conference, and Independent Athletic Conference.

The Benjamin Gottesman Swimming Pool, adjoining the Max Stern Athletic Center, has been completed.

Publications

There are student newspapers at each campus. At the Joel Jablonski Campus, students publish *The Commentator* with emphasis on general issues and *Hamevaser* with emphasis on Jewish studies. (Stern College students also participate in *Hamevaser*.) *Hamashkif* is a Hebrew language newspaper. At the Midtown Center, the student newspaper is *The Observer*. The Yeshiva College yearbook is *Masmid* and the Stern College yearbook is *Kochaviah*.

Daf Yomi is a biweekly news sheet published jointly at both campuses. *Bina Yeteira* is published weekly at the Midtown Center. In addition, several clubs issue publications.

All publications are edited and published by the students themselves.

Clubs

At each undergraduate location a number of clubs, some inspired by classroom work, meet regularly during the school year. A number of national honor societies have chapters at the undergraduate colleges. These include the Gamma Delta chapter of Eta Sigma Phi, in the classical languages; the Alpha Omega chapter of Pi Delta Phi, in French; the Psi Iota chapter of Sigma Tau Delta, in English; Psi Chi's chapter, in psychology; Delta Sigma Rho-Tau Kappa Alpha's chapter, in debating; Pi Mu Epsilon's chapter, in mathematics; Pi Gamma Mu's chapter, in the social sciences; New York Zeta chapter of Alpha Epsilon Delta, in pre-medical studies; Sigma Delta Rho, in science research; and Chi Pi Chapter of Alpha Psi Omega, in dramatics. Opportunities are afforded for dramatic expression in the Dramatics Society's presentations.

Departmental clubs offer speakers and symposia on topics of interest in various fields. Social events are sponsored by the student councils, individual classes, and clubs. The Dr. Joseph Dunner Memorial Political Science Society holds regular forums and participates annually in the Model United Nations Assembly at Harvard University. Radio Station WYUR, a student-operated member of the Intercollegiate Broadcasting System, transmits programs of interest to dormitory residents at both centers.

At Sy Syms School the Mildred Schlessberg Accounting Society and the Joint Business Society are active. These clubs offer a full range of activities, including forums with guest speakers, social affairs, and tutoring services. The annual awards dinner is the highlight of the year's activities.

All posters and notices announcing events must carry the name of a sponsoring club or faculty member. If they do not, they will be removed.

Sponsorship

Every student organization and publication, except the student councils and newspapers, must have a faculty adviser.

Music

In addition to offering the music courses listed in this Catalog, the Music staff and the Classical Music Society conduct several extracurricular activities. The instrumental and choral groups enable students to participate in musical programs, and facilities are available for piano practice. At the Joel Jablonski Campus there is a music listening room, and a Music Library containing books, music, and records is open to those engaged in music study. For students planning careers in music, counseling is offered regarding opportunities and employment trends.



UNIVERSITY REGULATIONS

Regulations uniformly applicable to all undergraduate schools are given here; those pertaining to one school alone are given in that school's section of this Catalog. Students must consult both sections.

NOTICES

Students are responsible for the contents of this Catalog and for notices on the official bulletin boards of the various offices of the University; these bulletin boards should be consulted daily.

CHANGES IN REGULATIONS

The University reserves the right to change tuition, fees, course offerings, regulations, and admission and graduation requirements at any time without prior notice. Students should consult University bulletin boards for changes. This Catalog supersedes all previous Catalogs and academic regulations and is binding on all students. Consideration will be given, however, to a petition by a student for permission to continue a course of study in effect at the time the student enrolled provided that no more than the normal period of time is taken to complete the program.

ATTENDANCE

Each undergraduate school has a specific attendance policy pertaining to students taking courses in that school. Please see the relevant sections of this Catalog. The following applies to all undergraduates:

If a student is absent or seriously incapacitated through illness for a considerable portion, but less than half, of a semester, the student's course load may be reduced.

In all cases, if a student is absent from any course for any cause for more than half a semester, the course will not be counted and the student will receive a grade of W or G in the course.

Customarily students wait 20 minutes when an instructor is delayed for class.

EXAMINATIONS

All students must take examinations as scheduled. A student who is absent from a class test due to illness or an equally compelling cause must consult with the instructor about exam requirements.



A final examination may be postponed only on account of illness or some equally compelling emergency which causes absence at the time of the examination or immediately preceding it. Under these conditions the student should notify the Office of the Dean immediately and should subsequently submit a request for a makeup test, along with a physician's note if applicable. If the request is approved, the fee for a makeup is \$15.

Once a student has taken a final examination, no re-examination may be given. No excuse—whether of illness, lack of preparation, or any other reason—will be accepted as grounds for a retest or an additional test or assignment.

If a student arrives late at any examination and has no valid excuse for the lateness, the test is taken in the remainder of the allotted time.

Cheating on an examination will subject the offender to disciplinary action, including possible expulsion from the University.

GRADES

The work of each student is graded on the following basis:

Academic Grades

A, A-	Excellent
B+, B, B-	Good
C+, C, C-	Fair
D+, D, D-	Poor (lowest passing grade)
F	Failure
N	No credit
P	Pass
R	Repeat (to continue course)

Administrative Grades

G	Withdrawal without permission (counted as failure)
K	Used to remove entrance condition (no credit)
L	Audit (no credit; Stern College only)
T	Tentative grade (followed by B, C, D, or F)
W	Withdrawal without penalty or prejudice

P is used for all courses bearing less than 1 credit and for Independent Study courses (see page 28), and for courses taken under the P/N option. See pages 35 and 45.

R is given in remedial courses when the student must continue in the class.

T grades may be requested by students to accommodate unavoidable delays in the completion of course requirements and to allow for excused medical emergencies during final examinations. The student should complete the appropriate form in the Office of the Registrar. In determining a tentative grade, the instructor counts the missing work as an F. The instructor reports either a TF or the lowest passing grade he would give if the work were not completed. If the work is not completed by March 15 for a Fall course or July 15 for the Spring, the Tentative grade becomes final.

W (withdrawal) requires filing of forms with the Registrar and, under certain circumstances, written permission of the Dean. Unless the proper procedures are followed, the student receives a G, equivalent to failure, in the course. See *Late Admission and Withdrawal* below.

A student who has achieved a passing grade in a course may not retake it. In exceptional cases the Dean of a school may permit a student who received a D to retake the course, provided that the student has not taken a more advanced course in the subject after receiving the D. Even if repetition is allowed, the original grade will remain on the record. Credit will be granted only once.

ACADEMIC AVERAGE

Each grade has a numerical value, as follows:

A = 4.000	A- = 3.667
B+ = 3.334	B = 3.000
B- = 2.667	C+ = 2.334
C = 2.000	C- = 1.667
D+ = 1.000	D- = .667
F, G = 0	

When the numerical value is multiplied by the credit value of the course, the resulting figure is known as the number of quality points.

The student's average is computed by dividing the number of quality points earned by the total number of credits completed with a grade of A through G. The average is rounded to the third decimal place.

Except in programs in which the tuition is paid through Yeshiva University, grades achieved at other colleges and universities are not averaged in with a student's record at Yeshiva University; only credit is granted on transfer. Separate regulations govern the Joint Israel Program.

Period	Permission needed to register late ⁸	Permission needed to withdraw	Notation on permanent record	Refund to "per-credit" student ¹⁰
First two weeks of semester ¹¹	None	None ⁹	Course is not listed	75%
Next two weeks of semester ¹¹	Instructor and Dean	None ⁹	Course is not listed	50%
Next six weeks of semester ¹¹	Not permitted ¹²	None ⁹	Course is listed ¹⁴	0
Remainder of semester	Not permitted	Dean ¹³	Course is listed ¹⁵	0

LATE ADMISSION AND WITHDRAWAL

The regulations above govern late admission to and late withdrawal from classes in all undergraduate schools

DEAN'S LIST

Each year, in each undergraduate school, full-time students who have achieved an academic grade-point average of at least 3.5 are included on the Dean's List. Inclusion on this list becomes part of the student's permanent record.

GRADUATION HONORS

To receive honors at graduation, students must have completed at least 94 credits in residence on the New York campus and must have achieved the following cumulative averages: *cum laude*, 3.500; *magna cum laude*, 3.700; *summa cum laude*, 3.850 at Yeshiva College and Sy Syms School; and 3.400, 3.600, and 3.800 respectively at Stern College.

Students who have completed fewer than 94 credits at a school may file a petition for graduation honors with that school's Academic Standards Committee, which may require a higher average before approving the petition.

Furthermore at Yeshiva College candidates for *summa cum laude* must also submit an honors thesis, or score sufficiently high on the comprehensive examination submitted for graduation (see Form P8.5, available in the Office of the Registrar).

ACADEMIC RETENTION, PROBATION, AND DISMISSAL

Students are expected to maintain an academic average of at least 2.0 each semester and cumulatively. Students who, in any semester, fail to achieve an average of at least 2.0 are placed on academic probation.

Probation serves as a serious warning to students whose records are unsatisfactory, and is intended to help them achieve the necessary improvement.

Restrictions or conditions may be imposed upon students on probation in the following areas: programs, employment, extracurricular activities, intercollegiate athletics, financial assistance.

Students whose semester or cumulative averages fall below 2.0 two semesters in succession, or three semesters non-consecutively, or who fail all their courses in a semester, may be dismissed from the school without further notice.

Minimum standards of good academic standing and satisfactory academic progress must also be met in order for a student to be certified to New York State for financial assistance. Each student must therefore maintain the standards described above (see Form P25U, available in the Office of the Registrar, for details).

DISCIPLINARY PROBATION AND DISMISSAL

Yeshiva University expects its students to exhibit high qualities of character as well as to demonstrate academic ability. Every stu-

⁸ The \$5 change of program fee covers all changes made at one time. (No charge is made for changes resulting from University action, such as the cancellation of a course, or change of hours.) If a student registers late for all courses, there is a \$25 charge instead of the change of program fee.

⁹ The proper forms must, however, be filed in the Office of the Registrar, and the change of program fee paid by students whose tuition is on a full-time basis.

¹⁰ Only tuition is refunded; no refund of fees is made.

¹¹ Regulations apply also to the equivalent period in a summer session or intersession.

¹² The Dean, with approval of the instructor, may allow late registration after the fourth week of the semester. Under unusual circumstances, Hebraic Studies transfer credit may be added at YC, SSSB, and SCW during these six weeks, with payment of fee.

¹³ The permission of the instructor is not required, but the Dean usually requires the instructor's signature, so that the instructor is immediately aware that the student is leaving.

¹⁴ The course is graded W (withdrew without penalty or prejudice). If the student drops out without permission or without completing the proper forms in the Office of the Registrar, the grade is G (equivalent to failure).

¹⁵ Withdrawal is at the option of the Dean, who considers any comment made by the faculty member. Even if withdrawal is permitted, it may be authorized with the grade of N (no credit).

dent is expected to adhere to the ideals represented by the University and to show seriousness of purpose, intellectual dedication, and respect for the views and convictions of others. A student's continuance on the rolls of the University, receipt of academic credits, honors and awards, graduation, and the conferring of any degree, diploma, or certificate upon the student are entirely subject to the disciplinary powers of the University and to the student's maintaining high standards of ethical and academic conduct. A student may be placed on probation or dismissed by the University at any time for infringement of these standards.

ACADEMIC INTEGRITY

The submission by a student of any examination, course assignment, or degree requirement is assumed to guarantee that the thoughts and expressions therein not expressly credited to another are literally the student's own. Evidence to the contrary will result in penalties which may include failure in the course, disciplinary dismissal, or such other penalties as are deemed proper.

CLASS STATUS

A student who has satisfactorily completed, or received credit for, one year of full-time study (see each school's regulations on Work Load for definition of "full-time") and has removed any entrance condition, is classified as a sophomore. A student who has received credit for two years of full-time study is classified as a junior; and three years, as a senior.

HONORS WORK, INDEPENDENT STUDY, DIRECTED STUDY

HONORS WORK

Superior students may request permission to do work outside of regular courses, culminating in a formal written report, under the following conditions:

- A. The student must be a senior or, with special permission, a junior.
- B. The student's academic average generally and in the major must be at least 3.4.
- C. The student must have completed at least 18 credits in the subject before doing Honors Work.
- D. The student must work under the supervision of a faculty sponsor.
- E. Honors Work may, in exceptional cases, be done during the summer. A fee is charged.
- F. A maximum of 3 credits a semester may be taken in Honors Work.
- G. Honors Work may be taken in addition to Independent Study, Directed Study, or Internships, but no more than 3 credits per semester may be taken in all combined.

The required procedure is as follows:

1. Not later than the last day of the regular registration period for the semester during which the student plans to do the work, the student must submit a request to the Office of the Registrar on Form P20H. This form provides space for a description of the project and for the recommendations of the faculty sponsor, and Office of the Registrar. The faculty sponsor lists the examinations and papers to be required of the student, and describes the nature of the direct supervision that will be exercised.
2. The Dean of the College considers every application and must approve it before work begins.
3. Honors Work is listed on the student's record as "(Subject) 4911." (A second term is 4912, etc.)
4. Upon satisfactory completion of Honors Work, the faculty sponsor reports to the Dean, who reviews the work and reports the final grade to the Registrar.

INDEPENDENT STUDY

Independent Study for credit may be done under the following conditions:

- A. The student must normally be a senior or at least a junior, but others will be considered.
- B. A minimum average of 2.5 is required.
- C. With special permission, the work may count toward the major.
- D. The student must work under the supervision of a faculty sponsor. For work done outside the Colleges, an immediate supervisor, in addition to the faculty sponsor, may be required.
- E. Independent Study may be done during the summer, with permission of the sponsor and the Dean of the College. A fee is charged.
- F. Students may take no more than one Independent Study course per semester and no more than three courses altogether. While up to 4 credits may be awarded for one project, under normal circumstances only 1 or 2 credits are permitted for an Independent Study project done during the school year.

The required procedure is as follows:

1. During the regular registration period for the semester in which the student plans to do the work, the student must submit a request to the Office of the Registrar on Form P20I. This form provides space for a description of the project and for the recommendations of the faculty sponsor and Office of the Registrar. The faculty sponsor lists the examinations and papers to be required of the student, and describes the nature of the direct supervision that will be exercised.

2. The Dean of the College considers every application and must approve it before work begins.
3. If the project is carried on outside the University, the following procedure must be followed: upon completion of the project the student's final report, accompanied by a letter of evaluation from the student's immediate supervisor and another evaluation from the faculty sponsor, is to be submitted to the Academic Standards Committee. The committee reviews the project and makes the final determination of award of credit.
4. Independent Study is listed on the student's record as "(Subject) 4901." (A second term is 4902, etc.) It is graded on a P/N basis.

DIRECTED STUDY

Under special circumstances, students who are in need of a course listed in the Catalog but not currently offered are permitted to take the course they need by Directed Study. Approval is granted on an individual basis as follows:

- A. Except under the most unusual circumstances a student may take only one course at a time in this manner.
- B. The student must be a senior or, with special permission, a junior, with a minimum average of 2.5.
- C. The student must work under the supervision of a faculty sponsor.
- D. Directed Study may, in exceptional cases, be done during the summer.
- E. Per credit tuition is charged.

The required procedure is as follows:

1. During the regular registration period for the semester in which the student plans to do the work, the student must submit Form P20D to the Office of the Registrar. The form describes the nature of the direct supervision that will be exercised.
2. The Dean of the College considers each application and must approve it before work begins.
3. At the end of the term, the instructor submits a grade to the Registrar in the usual way. The course is listed on the student's record with its regular number and title.

Note: Honors Work, Independent Study, and Directed Study are treated exactly like regular courses and are counted as part of the student's regular work load. Specifically, if the project is not to be completed, the student must withdraw within regular deadlines. If the work is to be completed late, the student must apply for a tentative grade.

WAIVERS

While faculty and other advisers may make recommendations for waivers and changes in graduation requirements, all exemptions and exceptions must be approved in writing by the Dean or the Academic Standards Committee of the School. Form R15 should be used to request a waiver of prerequisite, and Form M37 for other requests. These forms should be submitted to the Office of the Registrar, and *the student should keep a copy.*

OUTSIDE COURSEWORK

Permission of the Dean of the school in which the student is matriculated is required in order to take any courses at another institution¹⁶, or another school of Yeshiva University, at any time. (Use Form P10 for courses at other institutions and Form P3.1 for courses at other schools of the University.)

In accordance with the regulations of the New York State Education Department, in summer sessions and intersessions, whether taken at Yeshiva University or elsewhere, students may earn no more credit than is proportional to the amount of credit that may be earned for coursework during the regular term at Yeshiva University.

Courses transferred from another institution, whether taken before or after admission to Yeshiva University, appear on the student's record with credit value only; grades earned elsewhere are not entered on the records of Yeshiva University, except in programs in which the tuition is paid through the University.

Separate regulations govern the Joint Israel Program.

STUDY ABROAD

Yeshiva University believes in the value of study abroad. Many Yeshiva University students are particularly interested in studying in Israel. The University's own program there is described on page 48. Other programs are described in Form P6, available in the Office of the Registrar. Students who study abroad, but not on the University's program, must file Forms M12 and P10, available in the Office of the Registrar.

JOINT AND COMBINED PROGRAMS

Joint bachelor's-master's programs exist in the fields of Jewish education, Jewish studies, psychology, and social work. In these programs qualified upperclassmen can take courses at the University's graduate schools and receive credit simultaneously toward their undergraduate and graduate degrees. Full information is given in Form P3.4, available in the Office of the Registrar.

Combined programs with other institutions include: Columbia University School of Engineering and Applied Science, a 3-2

or 4-2 program for pre-engineering majors; Columbia's Department of Rehabilitation Medicine and New York University's School of Education, Health, Nursing, and Arts Professions, a 3-2 occupational therapy program; and New York College of Podiatric Medicine, a 3-4 podiatry program. For details on pre-engineering and podiatry combined programs, see page 53.

GRADUATE COURSES

Under exceptional circumstances seniors not in a joint program may take graduate courses for graduate credit. Full information is given in Form P3.4. Graduate tuition is charged for such courses.

Seniors who are not eligible for the joint programs, or who are interested in subjects in which joint programs do not exist, may be permitted to take graduate courses for undergraduate credit. Full information on such courses is given in Form P3.2, available in the Office of the Registrar. Such students will not be allowed graduate credit for the courses later, even if they do not need this credit for their undergraduate degree. Only students who originally received permission for graduate credit while still undergraduates and paid graduate tuition in addition to undergraduate charges will receive such credit.

LEAVES OF ABSENCE

Students who intend to absent themselves from the University and then return at some future time must apply for a formal leave of absence (on Form M12). If they do not obtain such a leave, readmission may be denied.

Leaves of absence are ordinarily granted for a maximum of two semesters. Students on leave will not receive credit for study at another institution without prior permission (Form P10).

WITHDRAWAL FROM THE UNIVERSITY

A student who is withdrawing from the University and does not expect to return at some future date should fill out Form M15.

RECORDS AND TRANSCRIPTS

Current or former students who wish transcripts of record should secure copies of "Request for Transcript" (Form T5) from the Office of the Registrar. This may be done in person or by mailing a self-addressed stamped envelope. The form lists the fees, regulations, and procedures governing the issuance of transcripts.

A transcript is not issued without the student's written request, except to the person(s) or agency upon whom the student is financially dependent, or as provided by law.

The issuance of transcripts, and generally the release of any information about a student, is subject to the provisions of the federal Family Educational Rights and Privacy Act of 1974. Yeshiva University has adopted regulations to implement the act; a copy of these regulations is available upon written request, accompanied by a self-addressed stamped envelope, to the Office of the Registrar.

No transcript or certification will be issued for a student unless the student's financial record with the University is completely clear.

Records of students are sent only in the form of a transcript. No partial records are sent, or ones listing only courses without grades.

Students who believe that there is an error in their academic record (e.g., in a grade, average, credit value, or course) must promptly call this to the attention of the Office of the Registrar within three months of the date the grades were mailed.

CHANGE OF NAME OR ADDRESS

A student who wishes to change either a first or last name on school records must file Form M25 in the Office of the Registrar.

Students who change their home or local residences are required to notify the Office of the Registrar of the change of address within 10 days on Form M29. A student is responsible for all mail sent to the old address if the University has not been so notified.

DIPLOMAS

Duplicate or revised diplomas can be secured under certain circumstances. Full information is given in Form G15, available in the Office of the Registrar.

USE OF THE UNIVERSITY'S NAME

No student or student organization may use the name of the University or any of its components in print for any purpose, including identification, without written permission from the Office of the Dean.

¹⁶ Permission to take courses elsewhere is generally granted only for courses at approved senior colleges.

GENERAL ACADEMIC INFORMATION

ACADEMIC TERMINOLOGY

For the convenience of students, certain academic terms frequently used at Yeshiva University are defined below:

ACADEMIC AVERAGE

A measure of the student's scholastic achievement. The method of calculating the average is described on page 27.

ADVANCED STANDING

Credit given toward a degree for academic work completed at another institution, or on the basis of an approved examination (see page 16).

CLASS SECTION

A group of students taking a particular course at a specific time. It is identified in course schedules by a section number or letter, e.g., ART 1051, section 261.

COREQUISITE

A course that must be taken during the same semester as another course.

CORRELATE

A course required for a major which is not in the major department.

COURSE

A particular portion of a subject. It is identified by a course number, e.g., ART 1051.

COURSE DESCRIPTION

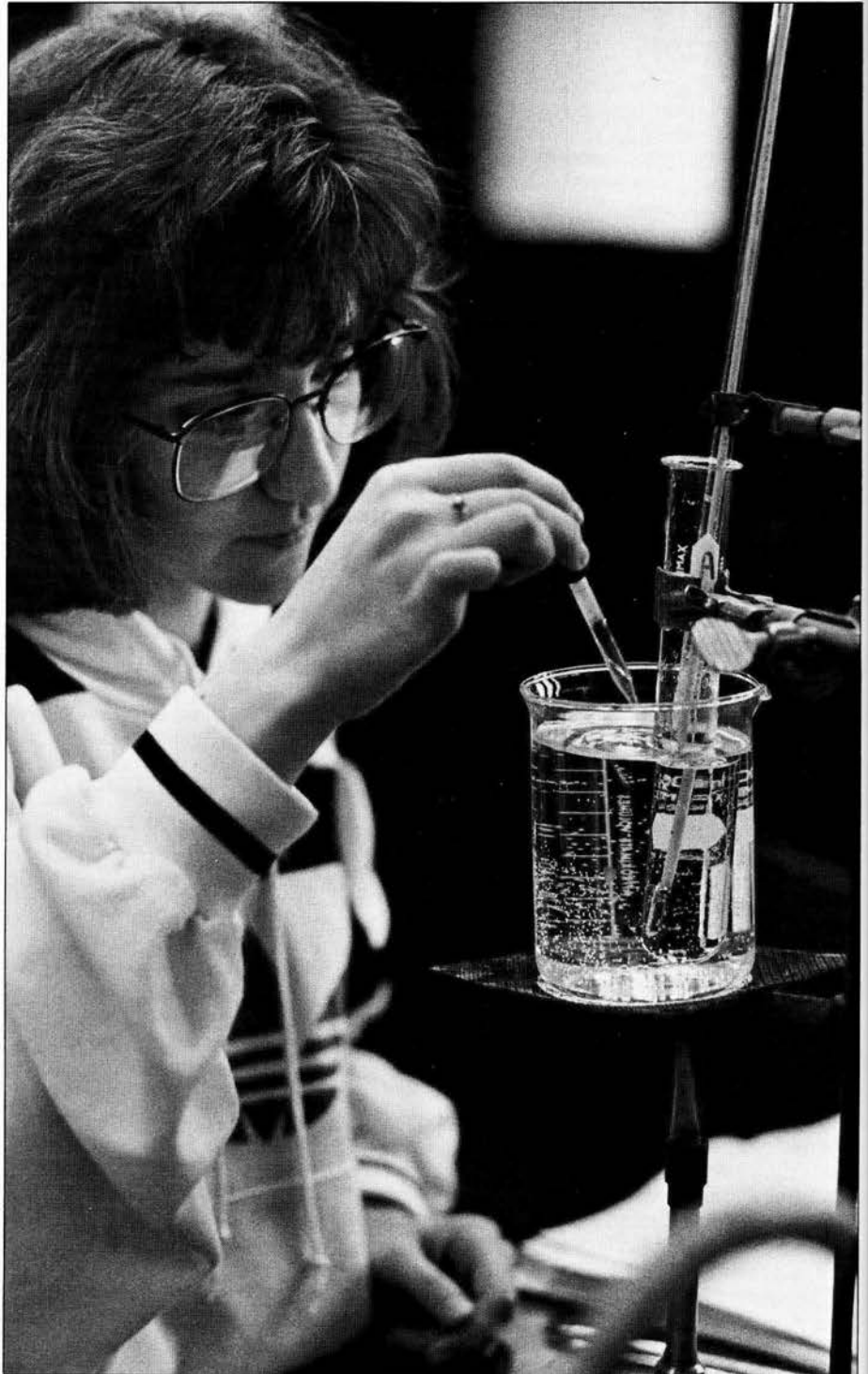
The statement in the Catalog outlining the content of a particular course.

COURSE TITLE

A word or phrase describing the course content. Thus, at Yeshiva University, the course title of ART 1051 is History of Art.

CREDIT

The credit value of each course is listed after its title in the Catalog. At least 45 academic hours (each 50 minutes long) of formal classroom instruction and other types of study are required to earn 1 credit.



These 45 hours are divided as follows: In an undergraduate lecture-recitation course, 15 academic hours in class plus 30 in outside preparation; in a laboratory course, 30 academic hours in class plus 15 in outside preparation; in observation and supervised student teaching, 36 academic hours in class plus 9 in outside preparation. Class hours include examinations. These hours are minimums and may be increased to satisfy special requirements in certain courses.

The unit of credit referred to above is the semester hour. Certain institutions use quarter-hour credits; to convert these to semester hour credits, multiply by two-thirds and drop any fraction (e.g., 5 quarter hours=3 semester hours).

CURRICULUM

A planned group of courses (and ancillary experiences) leading to a specific degree, diploma, or certificate.

DEPARTMENT

An administrative unit of faculty members teaching one discipline (see below), or several closely related disciplines.

DISCIPLINE

A particular branch of knowledge, e.g., Biology, English.

DIVISION

An administrative unit of faculty members teaching related disciplines. The undergraduate faculty is organized into the following divisions: Humanities, Jewish Studies, Natural Sciences and Mathematics, and Social and Behavioral Sciences. The Sy Syms School of Business also functions as a division.

ELECTIVE

A course which a student may choose to take, as distinguished from a required course.

MAJOR

The subject which a student chooses for primary emphasis.

MINOR

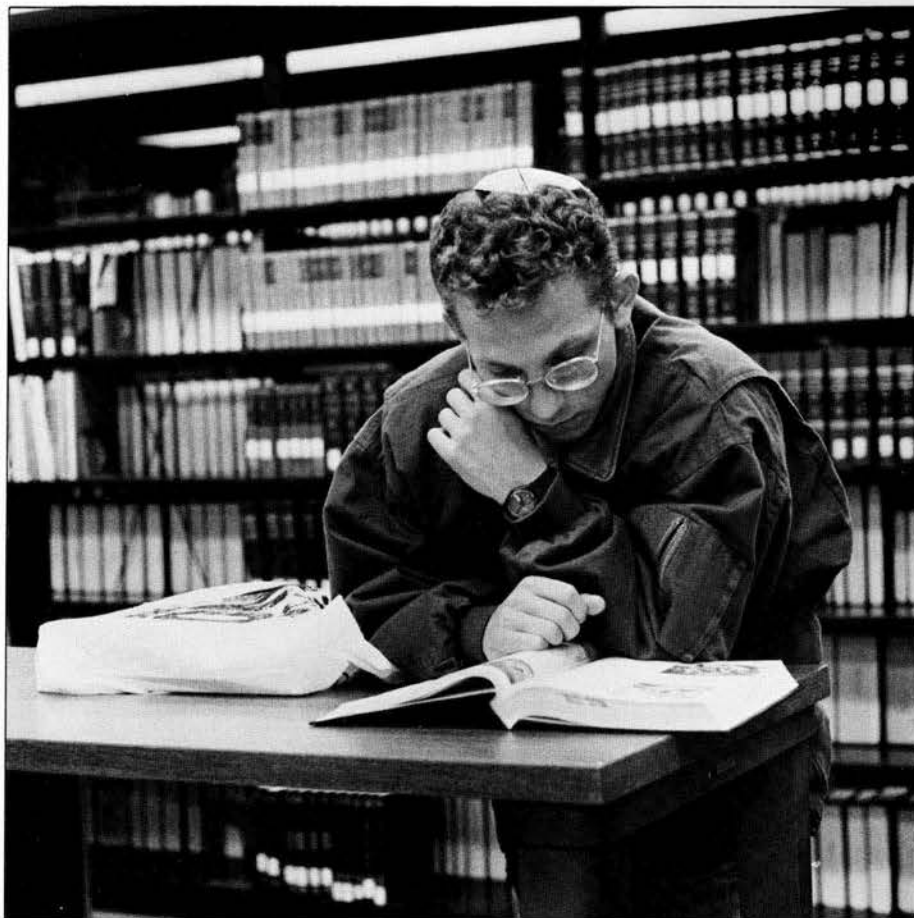
A subject which a student chooses for secondary emphasis.

PREREQUISITE

A preliminary requirement which must be met before a certain course can be taken.

PROBATION

The status of a student whose enrollment has been placed on a trial basis for scholastic or disciplinary reasons (see page 27).



REGISTRATION

The process of enrolling as a student. It consists of three stages: a) filling out general information forms provided by the University and having them approved; b) selecting courses and sections, having them entered in the computer by the Office of the Registrar, and receiving written confirmation of one's choices; c) completing financial arrangements. The student is not registered until all three stages have been completed.

REQUIRED COURSE

One required for graduation, either for all students or those in a particular area of study.

RESIDENCE REQUIREMENT

The requirement for a degree or diploma which specifies the minimum period of time that a student must be in attendance at the school through which the document is granted, and the minimum number of credits that must be completed there. Residence is intended to give each student adequate contact with the school and its faculty. Residence credit is distinguished from transfer credit, i.e., credit for courses taken at another school of the University or at another institution; it does not imply that the student must live in a University dormitory.

SEMINAR

A course pursued by a small group of students with a professor, with each engaged in original research or independent study and all exchanging results through reports and discussions.

STATUS

The category under which a student is enrolled, e.g., Regular, Transient (see page 17).

TRANSCRIPT

An unabridged copy of the student's record, certified by the Office of the Registrar.

DISCREPANCIES IN INFORMATION

Infrequently, course numbers, titles, credits, or prerequisites in this Catalog may not be in agreement with those published elsewhere, such as in the Schedule of Courses. It may be that, based on faculty decisions, the information has changed between the times the various publications went to press; there may be a typographical error; or the information in one or the other may simply be wrong in spite of the efforts of all offices to assure that the information is correct and current. Questions about such discrepancies should be addressed in writing to the Office of the Registrar.

YESHIVA COLLEGE



Yeshiva College, established in 1928, is the University's college of arts and sciences for men. Its mission embodies the unique concept that the values of Judaism have a meaningful relevance to the general culture of Western civilization.

The College provides a wide range of educational programs and aims at combining broad training in the liberal arts and sciences with specialized preparation for advanced work in a specific discipline or profession.

In addition to these programs leading to the degree of Bachelor of Arts, students participate in programs of Jewish studies providing intensive analysis of classic texts in the Hebrew

and Aramaic originals. Designed to deepen ethical and philosophical insight and values, they also afford valuable supplementary training in research methods and independent work. To achieve this end, each student must also be enrolled throughout his stay in YC in a full course of study either in James Striar School (JSS), Yeshiva Program/Mazer School (MYP), or Isaac Breuer College (IBC). Students receive transfer credit at YC for their studies in these programs as specified below (page 34).

The College's location at the Joel Jablonski Campus affords stimulating association with several of the University's other undergraduate schools, as well as graduate schools and affiliates, and provides easy accessibility to the major resources of the institution.

Mindful of its responsibilities as a liberal arts-oriented college in an urban center, Yeshiva College has incorporated a broad set of educational programs, student services, and extracurricular activities to meet the special needs of the individual student. It is aware of the opposing pressures of a society driving toward greater specialization and technology, and of the student seeking order and purpose for himself and a totality of meaning for his life. Students, faculty, and administration are in search of sophisticated solutions to these increasingly complicated problems.

CURRICULUM

All majors lead to the degree of Bachelor of Arts. Majors in Accounting and Business & Management, leading to the degree of Bachelor of Science, are offered through Syms School.

MAJORS

Each student must select one subject¹⁷ as a major. He must obtain approval from the senior professor of the subject for his planned course of study. Subjects in which the student may major are listed below, with the page number where the requirements for that subject are given:

Biology, p. 49
 Chemistry, p. 50
 Classical Languages, p. 50
 Computer Sciences, p. 50
 Economics, p. 50
 English, p. 50
 French, p. 51
 Hebrew, p. 51
 History, p. 51
 Jewish Studies, p. 51
 Mathematics, p. 52
 Music, p. 52
 Philosophy, p. 52
 Physics, p. 53
 Political Science, p. 53
 Pre-Engineering, p. 53
 Pre-Health Sciences, p. 53
 Psychology, p. 53
 Sociology, p. 54
 Speech and Drama, p. 54

Pre-Law training (p. 53) and courses for prospective teachers (p. 50) are offered.

Regardless of how much transfer credit is granted a student, at least 60% of the required credits in the major must be taken at Yeshiva College; some majors require more (see pages 49-54).

For regulations dealing with waivers and substitutions of requirements, see page 29.

Only courses in which grades of C or better were earned may be used to meet the requirements in a student's major. (This applies only to courses in the subject itself, and not to correlate requirements.)

The student is expected to achieve a good general knowledge of his major, an objective which usually cannot be met solely by taking courses. He is therefore advised of the importance of self-study and extensive supplementary readings in his area of interest. Comprehensive examinations in the major, required for graduation (see below), presuppose a broad, general knowledge of all principal subfields of the discipline. Even if no formal distribution is required for a major, the student must prepare himself in such areas.



MINORS

A student may choose a minor subject and have it listed on his permanent record upon his written request at least a month prior to graduation. Subjects in which it is possible to minor are listed below, with the page number where the requirements for that subject are given:

Art, p. 49
 Biology, p. 50
 Chemistry, p. 50
 Classical Languages, p. 50
 Computer Sciences, p. 50
 Economics, p. 50
 English, p. 50
 French, p. 51
 Hebrew, p. 51
 History, p. 51
 Jewish History, p. 51
 Jewish Philosophy, p. 51
 Mathematics, p. 52
 Music, p. 52
 Philosophy, p. 52
 Physics, p. 53
 Political Science, p. 53
 Psychology, p. 54
 Sociology, p. 54
 Speech and Drama, p. 54

Acceptance of courses taken at other institutions toward the minor is at the option of the senior professor of the subject, but in all cases at least 12 credits must be taken at Yeshiva College.

Only courses in which grades of C or better were earned may be counted toward the minor, except that in the first course in a subject a P grade will be accepted.

DEGREE REQUIREMENTS

- a. Course and credit requirement: Students must complete at least 128 credits including all general requirements (see page 34), all major requirements, and electives. No more than 8 credits may be taken in Physical Education.
- b. Residence requirement¹⁸: Students must have attended an institution of higher education for at least 8 semesters. They must be in residence at Ye-

shiva College for at least 4 semesters, taking at least 12 credits each semester, and must complete at least 58 credits at Yeshiva College. At least 24 of the last 35 credits must be taken at Yeshiva College¹⁹.

A superior student who is admitted to a professional school at the end of his junior year at Yeshiva College will be eligible for a bachelor's degree from the College upon satisfactory completion of the first year of the professional school program, provided that he is admitted to the Professional Option plan. (More information is available in Form M65, available from the Office of the Registrar.)

- c. Grade requirement: An average of 2.0 or better in all studies and a grade of C or better in all courses in the major presented for the major requirement is required for graduation.
- d. Administrative requirements:
 1. Approbation of the faculty and the President.
 2. Filing of an Application for Degree during the registration period of the semester in which the student completes all requirements.
 3. Comprehensive examinations—To be eligible for graduation, each senior must pass comprehensive examinations, which the College uses for purposes of assessment. These are described in an announcement available from the Office of the Dean.

¹⁷ A student who completes all the requirements for a major in a second subject, including the comprehensive examination, will, at his written request at least a month prior to graduation, have the second major also listed on his permanent record.

¹⁸ For the definition of "residence," see page 31.

¹⁹ The normal amount of time for the completion of the degree is four years; students are expected to complete all the work within six years of the date of admission to a college, excluding time lost because of illness or service with the armed forces.

GENERAL EDUCATION

The following courses are required of all students:

Courses	Credits
I. Basic Courses	
English 1101-1102 ^{20, 22, 23}	4
Physical Education, any two courses ^{21, 24}	1
II. Humanities	
1. Two courses in literature, each 3 credits, chosen from English 2003; 2004; ²⁵ 4201; 4202 or French or Greek or Hebrew ²⁶ or Latin or Spanish courses numbered 2001-2999	6 and
2. Three additional courses chosen from Art 1050A or Music 1111A or Speech 1010A, or one of the above plus one year of any foreign language other than Hebrew	6 to 8
III. Western Thought and Institutions	
Two approved courses, each 3 credits, chosen from Economics, History, Philosophy, Political Science, Psychology, Sociology	6
IV. Natural Sciences 9 or 14	
1. One year of a laboratory science, and	
2. Statistics 1021, or an approved course in Mathematics or Computer Sciences ²⁷	
V. Restricted Electives 5 or 6	
Two courses outside the Division ²⁸ of the student's major, at least one above the introductory level, A foreign language may be substituted for either or both of these courses, even for Humanities majors.	
VI. Hebrew Language, Literature, and Culture varies, as described below:	
Students in IBC and JSS meet the requirements in this field with their studies in those schools, and transfer credit to YC as described below. Students in MYP must complete the following courses at YC:	

BIB 1015A, plus an additional 6 credits in BIB courses²⁹ 8
 HEB 1205-1206³⁰ 6
 JHI—two courses chosen from 1200; 1300; 1400; 1833; 1834 6
 Exemption examinations are available in BIB, HEB, and JHI. For further information, consult Form M42, available in the Office of the Dean of Yeshiva College.

TRANSFER CREDIT FOR HEBREW LANGUAGE, LITERATURE, AND CULTURE

A. ISAAC BREUER COLLEGE

- Transfer credit for courses taken at IBC is listed on the YC record as HES 1200 through 1299.
- Students in IBC must transfer a minimum of 18 credits to YC and/or SSSB in four years. Credit is transferred at the rate of 3 each semester the first three years of attendance, unless written permission for a change is received from the Dean of IBC and the Dean of YC or SSSB and filed in the Office of the Registrar.
- The grade given for the transfer credit is based on the composite average achieved in IBC that semester. The composite average is transferred as follows:
 3.668-4.000 = A
 3.334-3.667 = A-
 3.001-3.333 = B+
 2.668-3.000 = B
 2.334-2.667 = B-
 2.001-2.333 = C+
 1.668-2.000 = C
 1.334-1.667 = C-
 1.001-1.333 = D+
 0.668-1.000 = D
 0.334-0.667 = D-
 0.000-0.333 = F
- Students in the third year at IBC may either (a) transfer a composite grade that is listed as HES 1200 through

1299, or (b) choose any course or courses totaling exactly the transfer credits (at least 3 credits) from among Bible, Hebrew, Jewish History, and Jewish Philosophy for transfer. A designated single course transfer is valid only if the student achieves a passing grade in at least two other nontransfer IBC courses taken that semester. If such is not the case, a composite is taken.

- Students in the fourth year may voluntarily transfer either a composite (as HES 1200 through 1299) or specific courses, as above, to a maximum of 6 credits a semester.
 - Students attending IBC may not take any courses in Jewish Studies at any other school without prior written permission of the Dean of IBC and the Dean of YC.
- B. JAMES STRIAR SCHOOL COURSES**
- Transfer credit for courses taken at JSS is listed on the YC record as HES 1000 through 1099.
 - Credit is normally transferred at the rate of 4 each semester the first three years of attendance and 1 each semester the fourth year. The student must transfer at least 1 and may transfer as many as 6 credits per semester to suit his scheduling needs. Permission of the Deans of JSS and YC is required for fewer than 4 credits during the first three years.
 - The grade given for the transfer credit is based on the composite average achieved in JSS that semester. The composite average is transferred as indicated in paragraph A3 above.
 - Students attending JSS may not take any courses in Jewish Studies at any other school without the prior

²⁰All students are expected to complete these courses during their freshman year. No senior will receive credit for these courses. A senior who has postponed taking these lower division required courses until his last year will have to count the courses in his work load, and will have them count in his average, but will not receive any credit for them.

²¹All students are expected to complete these courses no later than their sophomore year.

²²To receive his degree, a student must show mastery of written English. This is generally shown by passing ENG 1101-1102. However, where a student is referred for remedial work, he must be approved by the department as having achieved the acceptable standard in order to graduate.

²³Students who score a minimum of 650 on the College Board English Achievement Test will be exempted from ENG 1101-1102 without credit if their writing ability is confirmed by an examination

administered by the English Department during freshman orientation. A student who passes the Advanced Placement Test in English with a score of 4 or better will receive 4 credits in lieu of ENG 1101-1102.

²⁴Two PED courses are required of all students, and additional courses may be taken on an elective basis. Students with physical defects and handicaps are not necessarily excused from physical education and may be assigned to special classes with the approval of the Medical Director. No more than 8 credits in PED courses may count toward a bachelor's degree, and no student may register for more than one PED course a semester without prior written approval of the senior professor and Dean of the College.

²⁵Except in extraordinary circumstances (prior permission required from both the English department and the Dean of YC), no student may take English 2004 before English 2003. Students who have taken one semester of Masterpieces (English 4201 or 4202) and wish to complete the

literature requirement with a semester of English literature must take English 2003. English 1101 and 1102 are firm prerequisites for English 2003 and 2004.

²⁶No more than one course in Hebrew may be used toward this requirement.

²⁷Effective Fall 1992; for students in residence in 1991-92 or earlier, the requirement in, *Catalog 1987-89 applies*.

²⁸Divisions are defined on page 31.

²⁹At least three of the BIB courses must be text courses, i.e., 1085A, 1086A or 1200-up. With permission, HEB 1321 may count as 1 BIB credit. BIB 1015A must be taken during the first year of study at YC and no more than one credit in BIB may be taken before completing BIB 1015A.

³⁰These courses must be completed not later than the sophomore year.

written permission of the Dean of JSS and the Dean of YC.

C. YESHIVA PROGRAM/MAZER SCHOOL COURSES

Students in MYP may elect to transfer 1, 2, or 3 credits a semester to YC for their studies in MYP. Such courses appear on the YC record as HES 1100 through 1199.

D. CHANGES IN SCHOOLS

Students who change from one school of Jewish Studies to another should consult Form A11.2, available in the Office of the Registrar, for their requirements.

Note: A maximum of 36 credits in HES courses is accepted by Yeshiva College, Stern College, and Sy Syms School as block transfer credit.

ADMISSION

Admission regulations are given on page 14.

SCHOOL REGULATIONS

Regulations pertaining to Yeshiva College alone are given here; those uniformly applicable to all undergraduate schools are given in the section *University Regulations*.

ATTENDANCE

At the start of the semester each student must report in person to the instructor of each class in order to learn the specific

attendance, examinations, and other requirements of that course. A student who does not meet these requirements may be dropped from the course.

A record of each student's attendance in each class is kept by the instructor. In performance courses (such as laboratory, public speaking, music, language, physical education) attendance is required at all class sessions. Attendance is compulsory for freshmen, sophomores in their first semester on campus, students admitted provisionally, and students on probation. During the first week of the semester, the instructor in any course must specifically notify his or her classes of the attendance policy for all other students, and should allow a number of absences at least equal to the normal number of class sessions per week.

Generally a student's attendance record is taken into account whenever there may be occasion to determine his status in the University.

Absence without excuse where attendance is required will result in the student receiving a grade of G, which may cause him to be placed on probation and to receive academic dismissal from the College.

GRADES

The University grading system is described on page 26.

P OR N SYSTEM

Each student above the freshman year who is in good standing is permitted to select one course each semester to be graded P or N. This is for the purpose of stimulating students to take course-work outside their area of specialization; therefore the course may not be one required for graduation or required or recommended for the student's major. Students must apply for such a course, during the period specified in the academic calendar, on Form T28.1, available in the Office of the Registrar. This form lists the regulations and the limitations applicable to the choice of a course on the P or N system.

HONORS, RETENTION STANDARDS, CREDITS FOR ENROLLMENT IN CLASSES

Regulations governing the Dean's List, honors at graduation, retention, probation, disciplinary action, and credits for enrollment in classes are found on page 27.

WORK LOAD

The normal number of credits for a full semester's work is 15 1/2 to 16 1/2. A fulltime student is defined as one who is enrolled for at least 12 credits during a 15-week semester.

Under no circumstances will any student be given permission to register for

more than 17 1/2 credits per semester at Yeshiva College (including any credit transferred from any other school of the University or from another institution).

The maximum number of credits which may be earned by any student in a 12 month period (counted as July-June or September-August, at his option) is 43. This includes courses taken in residence, work taken elsewhere, and credit earned by examination (such as College-level Examination Program and College Proficiency Examination Program).

Students with low averages are subject to restrictions on their work load as described in the section *Academic Retention, Probation and Dismissal*, page 27.

Students who are employed may be required to limit their programs.

Unless required to reduce their programs as described on page 00, students may not take less than 12 credits any semester without written permission of the Office of the Dean.

FIVE-YEAR HONORS PROGRAM AT YESHIVA COLLEGE

Students who wish to lighten their College programs to concentrate on their Jewish studies and who have good records at both schools (at least a 3.4 average at YC or SSSB and the recommendation of the head of their school of Jewish studies) may petition to be excused from tuition for a fifth year. Toward the end of the semester in which he will be completing between 24 and 35 credits in residence at the New York campus the student must file a request (on Form M12, available in the Office of the Registrar) with the Dean of the College, who will consult with the head of the student's school of Jewish studies before making his decision. If approved, the student takes not less than 12 nor more than 13 credits a semester at YC, and pays no tuition for the fifth year of studies (although all fees and charges are required). To remain in the program and be entitled to tuition remission for the fifth year, the student must maintain B averages at both YC or SSSB and his school of Jewish studies. Students in this program must spend five years at the New York campus of the University.

HONORS WORK, INDEPENDENT STUDY, DIRECTED STUDY, INTERNSHIPS

Regulations governing Honors Work, Independent Study, Directed Study, and Internships are found on page 28.

CREDIT AND EXEMPTION BY EXAMINATION

See page 16 for information on methods of gaining credit or exemption from course-work by means of examinations.



ISAAC BREUER COLLEGE OF HEBRAIC STUDIES

Isaac Breuer College of Hebraic Studies provides comprehensive programs in Hebrew language, literature, and culture for undergraduate men with some background in this area. Established in 1982 in recognition of a major gift by Mr. and Mrs. Hermann Merkin in memory of Mr. Merkin's beloved father-in-law, the College is the successor of Teachers Institute for Men, 1917-66, and Ema Michael College of Hebraic Studies, 1966-82.

With a variety of intensive and innovative courses of study, the College offers instruction for those wishing self-improvement and is a major center for the preparation of teachers of Hebraica, training professional personnel for positions of leadership in education and community agency work. It provides the requisite undergraduate preparation for students wishing subsequently to pursue teaching or administrative careers in schools and colleges, as well as other professional and scholarly careers in fields requiring a thorough liberal arts background with special emphasis on Hebrew and Jewish studies.

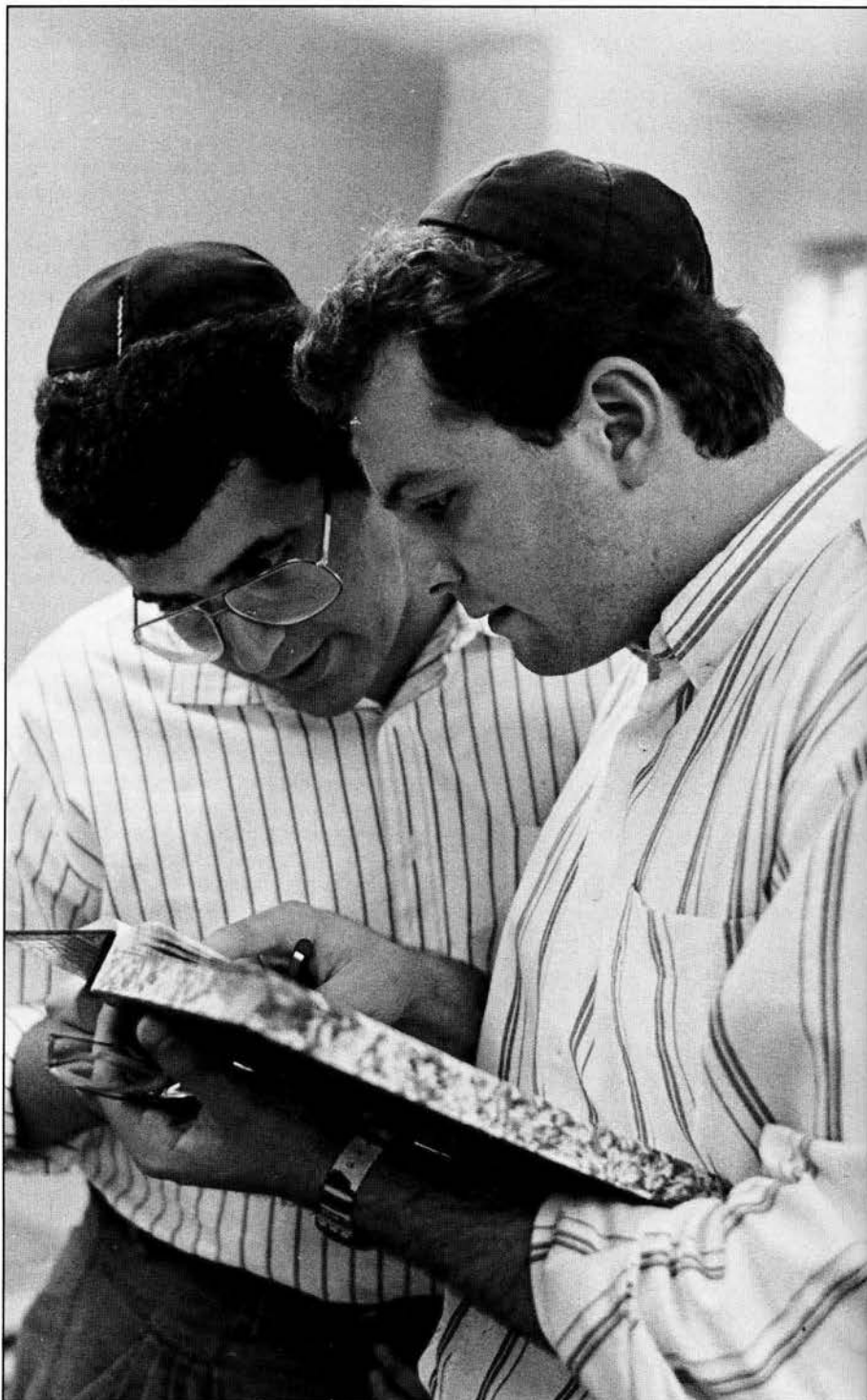
Isaac Breuer College curricula may lead to a Hebrew Teacher's Diploma and the degrees of Associate in Arts, Bachelor of Science, and Bachelor of Arts.

All courses in Hebrew language, literature, and culture are taught in Hebrew and provide valuable supplementary training in the utilization of primary sources, research methods, and independent work.

Faculty and students alike seek to create an atmosphere which will provide and promote the highest standards of ethical conduct and scholarship in the achievement of personal and professional goals.

The College is located at the Joel Jablonski Campus and profits from its association with several of the University's other schools and their educational resources as well as from the wealth of public and private educational facilities available in New York.

Isaac Breuer College is accredited by the National Board of License for Hebrew Teachers and is a member of the American Association of Hebrew Teachers Colleges.



ADMISSION

Admission regulations pertaining to Isaac Breuer College alone are given here; those uniformly applicable to all undergraduate schools are given on page 14.

To qualify for admission, a student must be graduated from a Jewish all-day high school or have completed the equivalent work. Candidates may also be considered for Early Admission.

Isaac Breuer College has its own written entrance examinations, which are required and are used for admission and placement purposes. Usually given on campus at the time of the Yeshiva College interview, they test a student's proficiency in Bible, Hebrew, Judaic Studies, and Talmud.

REQUIRED COURSES

The following courses in Hebrew language, literature, and culture are required of all students:

	Minimum Credits
BIB 1015B, 2107, 2653, 4002 plus one course from each of the following groups: (a) 2505, 2555, 2605 (b) 3209, 3257, 3307, 3409	19
HEB 1205B-1206B, plus one course from each of the following groups: (a) 2607, 2687, 2688 (b) 2557, 2667, 2709-2730	14
JHI two of the following: ³¹ 1001-1002, 1200, 1300, 1400, 1833, 1834	6
JUD—two courses	4
JPH—two courses	4
TAL—four courses	12

MAJORS AND MINORS

Subjects in which the student may major or minor are listed below, with the page number where the requirements for that subject are given:

- Bible, p. 49
- Hebrew, p. 51
- Jewish Education, p. 51
- Jewish History, p. 51
- Jewish Philosophy, p. 51
- Judaic Studies (minor only), p. 52
- Sephardic Studies (major only), p. 54
- Talmud, p. 54

Regardless of how much transfer credit is granted to a student, at least half of the credits required in the major or minor must be taken at Isaac Breuer College.

The written approval of both the senior professor of the discipline and the Dean is necessary for a waiver or substitution of

one course for another in the requirements for graduation or for a major or minor (use Form R15). Approval must be secured before the student takes the substitute course.

CURRICULA

ASSOCIATE IN ARTS

DEGREE REQUIREMENTS

- a. Course and credit requirement: Completion of 90 credits (as defined on page 30), including the courses required of all students listed above, and a major or two minors. (These credits may serve as transfer credits to Yeshiva College under the procedure outlined on page 34.)
- b. Residence requirement: Students must be in full-time residence at Isaac Breuer College at least four semesters, two of which must be in the senior year, for a minimum of 45 credits at Isaac Breuer College. They must also simultaneously receive a bachelor's degree from Yeshiva College or Sy Syms School, or have previously received such a degree³².
- c. Grade requirement: A minimum cumulative average of 2.000 in all studies and minimum grade of C in all courses used to meet the requirements in a student's major. Students presenting two minors must have a cumulative average of 2.000 in each minor, with no individual grade in that minor below C-.
- d. Administrative requirements:
 1. Approbation of the faculty and the President.
 2. Filing of an Application for Degree during the registration period of the semester in which the student completes all requirements.

HEBREW TEACHER'S DIPLOMA

DIPLOMA REQUIREMENTS

- a. Course and credit requirement: 102 credits (as defined on page 30), including the courses required of all students listed above, and the following courses:
 1. EDU 1001; JED 1553, 2301 (or 2552B), 2945B; PSY 1001, 3400.
 2. One additional major or minor.
- b. The same residence, grade, and administrative requirements as for the Associate in Arts degree.

Holders of the Hebrew Teacher's Diploma will receive, on application to the National Board of License for Hebrew Teachers and/or regional licensing boards, a license to teach in schools under the jurisdiction of those boards.

**BACHELOR OF SCIENCE
DEGREE REQUIREMENTS**

- a. Course and credit requirement: 154 credits (as defined on page 30), including a major and a minor, or three minors, and the following courses:
 1. The courses required of all students listed above, and enough additional courses in Hebrew language, literature, and culture to total 90. *None of these courses may be counted toward any other bachelor's degree at Yeshiva University.*
 2. An additional 64 credits in liberal arts (no more than 10 in the field of Hebrew language, literature, and culture), including all those required of YC students in paragraphs I through V on page 34.
- b. Examination requirement: A comprehensive examination in the major or a qualifying examination in each minor.
- c. The same residence, grade, and administrative requirements as for the Associate in Arts, with the additional requirement of a minimum of 70 credits at Yeshiva University.

Students should note the prohibition of two bachelor's degrees in four years, described under *Work Load*, page 38.

BACHELOR OF ARTS

The purpose of the Bachelor of Arts program is to prepare teacher-scholars specially trained to serve as teachers of Hebrew and cognate subjects in grades 7-12. It is open to select students, possessing at least an intermediate knowledge of Hebrew, who are strongly motivated to enter the field of education and are prepared to undertake a rigorous curriculum. Students who complete the program are awarded a Hebrew Teacher's Diploma in addition to the degree of Bachelor of Arts.

Intensive personal counseling contacts are maintained with each student, and the student and his counselors periodically evaluate all factors bearing on his continuation in the program. This individual counseling continues as a career and placement service extending into the first few years of employment.

Unlike the students in the Associate in Arts, Hebrew Teacher's Diploma, and Bachelor of Science programs, who may simultaneously be enrolled in the

³¹ The Jewish History requirements may also be met by passing the Yeshiva University College Level Test in Jewish History (described on Form M41), available from the Office of Registrar.

³² The normal amount of time for the completion of the degree is four years; students are expected to complete all work within six years of the date of admission to a college, excluding time lost because of illness or service with the armed forces.

bachelor's programs at Sy Syms School or Yeshiva College, Bachelor of Arts students at Isaac Breuer College may not be in any other degree program. However, they may take their elective credits at Yeshiva College as visiting students.

Students who have successfully completed their first year in the program may apply for a special teacher training scholarship equal to the cost of full tuition at Isaac Breuer College. Applicants will be judged on the basis of school record, academic potential, and personal and professional commitment to the goals of the teacher training program. For the third year this aid will cover the full cost of tuition, room and board, and round-trip fare to Israel. Freshmen are, of course, eligible to participate in the regular University student financial assistance program.

DEGREE REQUIREMENTS

a. Course and credit requirement: 176 credits (as defined on page 30), including a major in Jewish Education and the following courses:

1. The courses required of all students listed above, and enough additional courses in Hebrew language, literature, and culture (including the major in Jewish Education) to total 112 credits, distributed as follows: BIB-24; EDU, JED, and PSY-25; HEB-17; JHI-12; JPH-9; JUD-8; TAL-17.

2. The additional 64 credits in the liberal arts (no more than 10 in the field of Hebrew language, literature, and culture) as required in the Bachelor of Science program listed above, except that ART 1050A and MUS 1011 are also required³³.

b. The same residence, grade, examination, and administrative requirements as for the Bachelor of Science, with the additional requirement of a minimum of 88 credits at Yeshiva University.

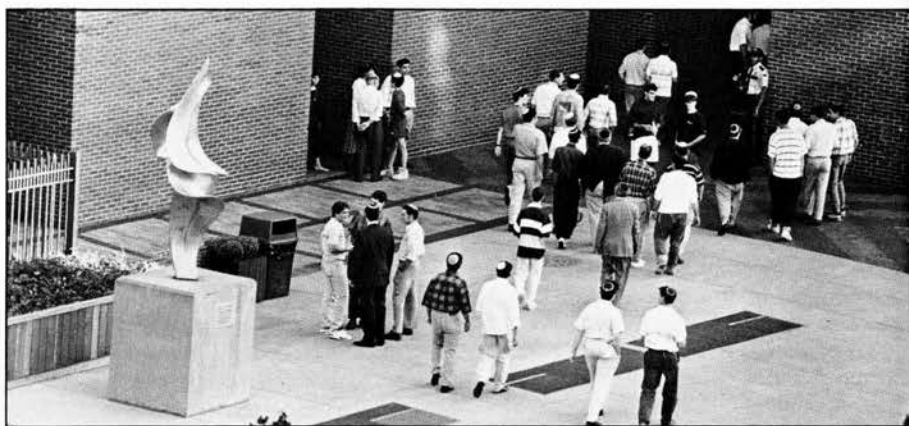
SCHOOL REGULATIONS

Regulations pertaining to Isaac Breuer College alone are given here; those uniformly applicable to all undergraduate schools are given in the section *University Regulations*.

ATTENDANCE

Students are expected to attend all their scheduled class sessions and College exercises and to be present promptly at the beginning of the hour, unless prevented from doing so by illness or other compelling cause.

³³ Qualified upperclassmen may receive permission to take graduate courses in the various disciplines in Jewish Studies. A joint bachelor's-master's program in Jewish Education (see pages 29 and 51) is offered.



A record of each student's attendance in each class is kept, and each absence must be excused. Generally a student's attendance record is taken into account whenever there may be occasion to determine his status in the University. A statement must be filed with the school office within 10 days of the student's return to school after being absent, if the student wishes the absence to be excused. Ordinarily only a physician's note will be accepted as an excuse for an absence because of illness.

Permission to register late in a course does not in itself excuse the student's absence from the classes already held. A student must file notes of excuse to cover the dates missed.

Unexcused absences without penalty are permitted up to twice the number of weekly course meetings. Beyond this total the penalty will be a grade reduction of one-third of a grade (e.g., B to B-) for each additional absence. Reductions for excess absences will not be made in grades of A or if the student's IBC average was at least 3.667 the previous semester or at least 3.333 each of the two previous semesters. These exceptions do not apply to Talmud courses or to HEB 1205B-1206B. Lateness of 5-15 minutes counts as one-half of an absence; of more than 15 minutes, as a full absence.

If a class meets two periods a day, each absence counts as two.

Students on probation must account for each absence and are subject to penalties for even one unexcused absence.

Continued absences without excuse will result in the dropping of the student from the course with a grade of G. In addition, such students render themselves liable to being placed on probation at the end of the semester. Flagrant cases of absence in several courses may necessitate withdrawal from the College.

If a student is absent or seriously incapacitated through illness for a considerable portion, but less than half, of a semester, his schedule will ordinarily be reduced.

If a student is absent from any course for any cause for more than half a semester, the course will not be counted and the student will not be allowed to take any of

the examinations. He will receive a W or G in the course (depending on whether the absences are excused or not).

HONORS, RETENTION STANDARDS, CREDITS FOR ENROLLMENT IN CLASSES

Regulations governing the Dean's List, honors at graduation, retention, probation, disciplinary action, and credits for enrollment in classes are found on page 27.

TRANSFER OF CREDIT TO YESHIVA COLLEGE AND SY SYMS SCHOOL

For procedures applicable to the transfer of credit from Isaac Breuer College to Yeshiva College and Sy Syms School, see page 34.

WORK LOAD

The number of credits for a full semester's work varies from program to program. Students enrolled in a bachelor's program at Yeshiva College, Sy Syms School, or any other institution of higher education, while attending Isaac Breuer College, are under no circumstances permitted to complete the requirements for two bachelor's degrees in a four-year period. They may, however, complete their requirements at Isaac Breuer College during a fifth year of study³⁴, and the University will waive tuition for those credits which are lacking for an IBC degree.

A full-time student is defined as one enrolled for at least 16 hours per week, except that in the senior year 14 hours are acceptable.

Students who are employed may be required to limit their programs.

HONORS WORK, INDEPENDENT STUDY, AND DIRECTED STUDY

Regulations governing Honors Work, Independent Study, and Directed Study are found on page 28.

³⁴ Alternatively, they may get transfer credit during the fifth year for appropriate courses in Jewish studies, graduate or undergraduate, taken elsewhere in Yeshiva University or Rabbi Isaac Elchanan Theological Seminary.

JAMES STRIAR SCHOOL OF GENERAL JEWISH STUDIES



James Striar School of General Jewish Studies provides comprehensive four-year programs in Hebrew language and literature and in the heritage, history, and philosophy of Judaism for men attending Yeshiva College or Sy Syms School who enter with diverse backgrounds and degrees of knowledge in Jewish studies. Students progress from basic to more advanced materials in systematic stages.

The School was established in 1956 as the Jewish Studies Program and renamed in 1965 to honor the benefaction of the Striar family in memory of their father, James Striar.

The quality of the School's courses attracts many young men seeking self-improvement and enriched background in Hebraic studies. The program provides a good preparation for students wishing subsequently to pursue professional and scholarly careers in fields requiring a thorough liberal arts background with special emphasis on Hebrew and Jewish studies. (Students in James Striar School may simultaneously pursue any major at Yeshiva College or Sy Syms School.)

Students who complete the requirements listed below receive the Associate in Arts degree with a major in Hebrew language, literature, and culture.

The School's location at the Joel Jablonski Campus affords stimulating association with several of the University's other undergraduate schools, as well as graduate schools and affiliates, and provides easy accessibility to the major resources of the institution.

ADMISSION

Admission regulations pertaining to James Striar School alone are given here; those uniformly applicable to all undergraduate schools are given on page 14.

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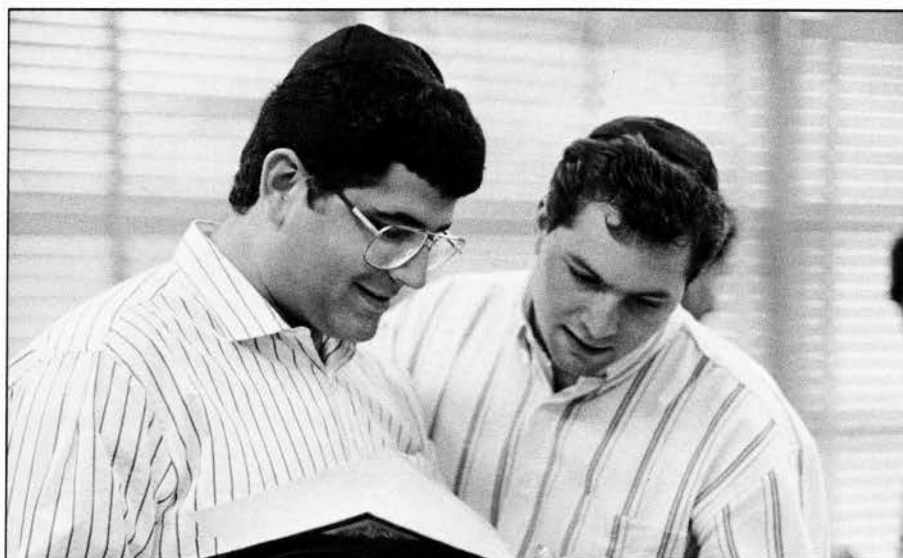
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James Striar School requires every applicant to report for an interview with the Dean of the School. This provides an opportunity to evaluate the applicant's background in Jewish studies and to discuss fully the nature of the School and its suitability for him. Where distance or other circumstances make it a hardship for the student to come to New York, special arrangements can be made.

First-year courses presuppose the student's ability to read vocalized Hebrew text and to write the Hebrew alphabet in cursive script. Students who do not meet these requirements on admission will be given assistance during the summer before they start classes to bring them up to the required level. Attendance at Yeshiva College or Sy Syms School is required unless the student already holds a bachelor's degree.

CURRICULUM

ASSOCIATE IN ARTS DEGREE REQUIREMENTS

- a. Course and credit requirement: 120 credits (as defined on page 30) in Hebrew language, literature, and culture distributed as follows:

	Credits
Bible	24
Hebrew	12
Jewish History	4
Judaic Studies	12
Talmud	30
Additional Courses in the Above Areas	38

³⁵The normal amount of time for the completion of the degree is four years; students are expected to complete all work within six years of the date of admission to a college, excluding time lost because of illness or service with the armed forces.

- b. Residence requirement: The prior or simultaneous receipt of a B.A. or B.S. degree from Yeshiva College or Sy Syms School. Completion of at least six semesters in residence at James Striar School taking a full program there (normally 16 credits) each semester. At least 24 of the last 35 credits must be taken at Yeshiva University³⁵.
- c. Grade requirement: A cumulative average of 2.5 in all Jewish Studies courses.
- d. Administrative requirements:
1. Approbation of the faculty and the President.
 2. Filing of an Application for Degree during the registration period of the semester in which the student completes all requirements.

STUDENT WELFARE AND ACTIVITIES

Each section of the James Striar freshman class is assigned a faculty adviser who devotes two hours each week to individual conferences with students. During each semester every freshman is invited to two conferences with his adviser, who is also available for consultation on the student's request. Additional advisers cover the other classes. See also page 23.

SCHOOL REGULATIONS

Regulations pertaining to James Striar School alone are given here; those uniformly applicable to all undergraduate schools are given in the section *University Regulations*.

ATTENDANCE

Students are expected to attend all their scheduled class sessions and be present promptly at the beginning of the hour, un-

less prevented from doing so by illness or other compelling cause.

A record of each student's attendance in each class is kept, and his attendance record may be taken into account whenever there is occasion to determine his status in the University.

Only full-time students are admitted and they must take 16 credits each semester. Only on the recommendation of a physician or for other compelling cause is a student permitted, with written approval of the Dean, to take a lighter program of no less than 12 credits.

EXAMINATIONS

A two-hour final examination and at least two one-hour tests are required in each course, each semester.

GRADES

The grading system is described on page 26.

HONORS, RETENTION STANDARDS, CREDITS FOR ENROLLMENT IN CLASSES

Regulations governing the Dean's List, retention, probation, disciplinary action, and credits for enrollment in classes are found on page 27.

TRANSFER OF CREDIT TO YESHIVA COLLEGE AND SY SYMS SCHOOL

For procedures applicable to the transfer of credit from James Striar School to Yeshiva College and Sy Syms School, see page 34.

COURSE LEVELS

James Striar School courses provide three levels of study to accommodate students who enter with varying amounts of knowledge. Subject matter and texts are generally the same or similar at all levels; the difference is in the amount of material, hours, pace, and level of instruction.

The three levels are: B (Beginners), for students entering with a minimal background; I (Intermediate), for students with limited background in Hebrew language, Bible, and Rashi texts; and A (Advanced), for students with more extensive background. The Y class is a special class offered in the junior year for students who undertake an intensive program in Talmud in preparation for advanced study in this field.

Students are placed on the basis of an examination. A student may, with the written approval of the Dean, transfer to a higher or lower level. The aim in all textual courses is to train the student in the progressive mastery of the text and to prepare him for independent study of original sources.

YESHIVA PROGRAM/MAZER SCHOOL OF TALMUDIC STUDIES

Yeshiva Program/Mazer School of Talmudic Studies (MYP) offers a four-year undergraduate course of study for men in which Talmudic texts and commentaries are probed intensively in the original Aramaic and Hebrew. Although the program does not lead to a degree, specified credit is transferable to all B.A. and B.S. programs at Yeshiva College and/or Sy Syms School, regardless of the student's major.

MYP was named through a major gift in 1979 by the Joseph and Ceil Mazer Foundation. It has been in existence as a separate entity since 1970, but is a continuation of the institution's oldest component, the core from which the University developed.

The study of Talmud and commentaries, the heart of the curriculum, is designed to give the student a firm foundation in the skills of traditional learning and enable him to handle original texts: to give him a method and direction, both in learning and character, and to help him develop an appreciation of the Judaic heritage. In addition to Talmud, there are elective classes in related texts and lectures in Musar which emphasize the continuity of Jewish tradition from Sinai to the present. The faculty includes many graduates of the foremost yeshivot both here and abroad, who are internationally recognized scholars.

The Harry Fischel Synagogue-Study Hall (Beit Midrash)—renovated through a major gift by Joseph S. and the late Caroline Gruss—remains the intellectual focus of MYP, as the Beit Midrash has always been the academic hub of the great centers of Jewish learning through the ages. An integral part of the program is the highly successful voluntary night seder (study period) in the Beit Midrash, overseen by the faculty. Students also have the opportunity to attend Bekiut shiurim (classes in additional Talmudic texts). MYP sponsors an annual Bekiut Incentive Award Program, with Presidential prizes for students who master large segments of additional texts beyond the regular curriculum.

ADMISSION

Admission regulations pertaining to Yeshiva Program/Mazer School alone are given here; those uniformly applicable to all undergraduate schools are given on page 14.

REQUIREMENTS

1. Attendance at Yeshiva College or Sy Syms School, unless the student already holds a bachelor's degree.
2. Knowledge of Hebrew (modern, medieval, and Biblical).
3. Passing an entrance examination demonstrating proficiency in the reading and comprehension of selected Talmudic passages and commentaries, as well as general background in Talmud. Applicants are placed in classes in accordance with previous training and ability; advanced standing is given to those who have pursued Talmudic studies in college-level programs at yeshivot in the United States or Israel.

STUDENT WELFARE AND ACTIVITIES

The Student Organization of Yeshiva (SOY), representing the MYP student body, meets regularly with the administration on matters of mutual concern.

SOY coordinates and sponsors such activities as Shabbatonim, holiday celebrations, charity drives, periodic sales of seforim (texts), and lectures, including a series for students and alumni during winter vacation.

SOY publishes four journals: *Enayim L'Torah* on the weekly Torah portion; *Bayn Kotlei HaYeshiva*, appearing in concert with Jewish holidays; *Gesher*, dedicated to Jewish scholarship with articles almost exclusively in English; and *Beit Yitzchak*, which features articles of Talmudic and halakhic analyses.

Special publications have received national and international recognition, such as a *Haggadah* with commentary, *Festivals and Fasts: A Practical Guide*, and *A Guide to Kashrut*.

See also page 23.

SCHOOL REGULATIONS

Regulations pertaining to MYP alone are given here; those uniformly applicable to all undergraduate schools are given in the section *University Regulations*.

ATTENDANCE

Students may not register for any courses at Yeshiva College or Sy Syms School during time designated for MYP studies.

Students may be subject to disciplinary and academic penalties if they are absent without acceptable excuse for more than five sessions a semester. Preparation (*hakhanah*) and lecture (*shiur*) are considered separate sessions, so that a student missing a full day without excuse is considered to have two absences. Lateness to any session is considered as half an absence.

Students who are absent from a session and wish to have the absence excused must file their excuse with the Office of the Dean within two days of their return to school. A special form, obtainable in that office, is to be used. Ordinarily only a note from a physician will be accepted as an excuse for an absence because of illness.

GRADES

The grading system is described on page 26.

CLASS ASSIGNMENTS

Class assignments are made by the Dean of MYP based on level and progress of learning, as well as on student requests. Changes can be made only with the permission of the Dean. Students attending classes other than those officially assigned to them may be dropped from MYP. Students receiving notices that they have not been assigned must arrange to see the Dean immediately.

MAINTENANCE OF ACADEMIC STANDARDS

Students are required to maintain satisfactory standards of scholastic performance. Students who fail courses, have generally poor academic records, or have excessive absences will be put on probation. If the student's record does not improve sufficiently during the course of the next semester, he may be dropped from MYP. (In this connection see also pages 32 and 46.)

STERN COLLEGE FOR WOMEN



Stern College is the University's college of arts and sciences for women. It was established in 1954 through a major gift by the late Max Stern, a prominent community leader and honorary chairman of the University's Board of Trustees, in memory of his parents, Emanuel and Caroline Stern. The College incorporates the program of the former Teachers Institute for Women.

Stern College is a unique institution offering curricula designed to prepare modern young women for careers, graduate study, and increasing responsibilities in the community, while also embodying the unique concept that the values of Judaism have a meaningful relevance to the general culture of Western civilization.

In addition to the curriculum leading to the Bachelor of Arts degree, students participate in programs of Jewish studies, offered through the Rebecca Ivy Department of Jewish Studies, providing intensive analysis of classic texts in the Hebrew and Aramaic originals. Designed to deepen ethical and philosophical insight and values, they also afford valuable supplementary training in research methods and independent work. Students may also receive a Hebrew Teacher's Diploma and an Associate in Arts degree in Jewish Studies.

The 11-story Stern College building houses classrooms, lecture halls, Rae Kushner Lobby, Hedi Steinberg Library, Hirsch/Polackoff Computer Center, an art studio, a writing center, a gym, the dining hall, and administration and faculty offices. The adjacent original College building contains laboratories, faculty

offices, lounge space, Louis Koch Auditorium, and expanded library facilities. The College's central location affords easy access to New York's great cultural features.

Mindful of its responsibilities as a liberal arts-oriented college in an urban center, Stern College has incorporated a broad set of educational programs, student services, and extracurricular activities to meet the special needs of the individual student. It is aware of the opposing pressures of a society driving toward greater specialization and technology, and of the student seeking order and purpose for herself and a totality of meaning for her life. Students, faculty, and administration are in search of sophisticated solutions to these increasingly complicated problems.

CURRICULUM

BACHELOR OF ARTS

All majors lead to the degree of Bachelor of Arts. Majors in Accounting and Business & Management, leading to the degree of Bachelor of Science, are offered through Sy Syms School.

MAJORS

Each student must select one subject as a major. Subjects in which the student may major are listed below, with the page number where the requirements for that subject are given:

Biology, p. 49
 Chemistry, p. 50
 Computer Sciences, p. 50
 Economics, p. 50
 Education, p. 50
 English Literature, p. 50
 English-Communications, p. 50
 History, p. 51
 Jewish Studies, p. 51
 Mathematics, p. 52
 Philosophy, p. 52
 Political Science, p. 53
 Pre-Engineering, p. 53
 Pre-Health Sciences, p. 53
 Psychology, p. 53
 Shaped Major, p. 54
 Sociology, p. 54
 Speech and Drama, p. 54
 Speech-Communication Disorders, p. 54
 Pre-Law advisement is offered (p. 24).

Regardless of how much transfer credit is granted to a student, at least 60% of the required credits in the major must be taken at Stern College.

The approval of both the senior professor of the subject in which the student is majoring and the Office of the Dean are necessary for a substitution of one course for another in the requirements for the major; this request must be made on Form M37.

Only courses in which grades of C- or better were earned may be used to meet the requirements in a student's major. (This applies only to courses in the subject itself, and not to correlate requirements.)

MINORS

A student may choose a minor subject and have it listed on her permanent record upon her written request at least a month prior to graduation.

Subjects in which it is possible to minor are listed below, with the page number where the requirements for that subject are given:

Art, p. 49
 Biology, p. 50
 Chemistry, p. 50
 Computer Sciences, p. 50
 Economics, p. 50
 English, p. 50
 French, p. 51
 History, p. 51
 Jewish Studies, p. 51
 Mathematics, p. 52
 Music, p. 52
 Philosophy, p. 52
 Political Science, p. 53
 Psychology, p. 53
 Sociology, p. 54
 Speech and Drama, p. 54

At least half the credits toward a minor must be taken at Stern College. Only courses in which grades of C- or better were earned may be counted toward the minor.

BACHELOR'S DEGREE REQUIREMENTS

A. Credit requirement: 128 credits (as defined on p. 30).

B. Residence requirement: Students must be in residence at Stern College in New York at least four semesters, taking at least 12 credits each semester, and must complete at least 58 credits at Stern College. At least 24 of the last 35 credits must be taken at Stern College. The normal amount of time for the completion of the degree is four years; students are expected to complete all work within six years of the date of admission to a college, excluding time lost because of illness.

A superior student who is admitted to a professional school at the end of her junior year at Stern College should consult Form M65 about the possibility of earning a bachelor's degree from the College through the Professional Option Plan.

C. Grade requirement: An average of 2.0 or better in all studies as well as in the major and/or minor, and a grade of C- or better in all courses in the major used to meet the major requirement.

D. Exit requirements: To be eligible for graduation, each senior must pass an exit examination or complete a research paper or a project in her major. These are described in an announcement available from the Office of the Dean.

E. Administrative requirements:

1. Approbation of the faculty and the President.
2. Filing of an Application for Degree during the registration period of the semester in which the student completes all requirements.

F. Course requirements: All students are required to complete courses in General Studies, in Hebrew Language, Literature and Culture, and in their major.

1. General Studies Requirements

a. *Basic Courses* — 10 credits:

*English 1100*³⁶ — 3 credits
*Physical Education*³⁷ — 1 credit
Speech 1010 — 3 credits
 One additional course chosen from Computer Sciences, Mathematics, Statistics, or foreign language.³⁸

b. *Humanities* — 12 credits chosen from courses in foreign language,³⁸ Art, English, Music, and Philosophy as designated in the course schedule. No more than 3 credits may be taken in Art, no more than 3 credits in Music, and no more than 6 credits in any other discipline.

c. *Social Sciences* — 9 credits chosen from courses in Economics, History, Political Science, Psychology, or Sociology as designated in the course schedule. No more than 3 credits may be taken in Psychology and Sociology combined, and no more than 6 in any other discipline.

d. *Natural Sciences* — 8 credits
 One year of one laboratory science (Biology, Chemistry or Physics).

e. *Foreign Language*³⁸ and *Advanced Electives* — 9 credits:
 Any foreign language and/or courses in one or more disciplines other than that of the student's major, as designated in the course schedule. A course used to meet any requirement above may not be used to meet this requirement.

2. Hebrew Language, Literature, and Culture—32-50 credits

Stern College has extensive offerings in the field of Hebrew language and literature and Jewish culture and civilization (hereafter called Jewish Studies)—offered through the Rebecca

³⁶ Except under unusual circumstances, all students are expected to complete ENG 1100 in their freshman year.

³⁷ Two semesters of PED activity-type courses, i.e., those numbered 1001 through 3999, 4401-4409, and 4631-4639, are required of all students. Additional courses may be taken on an elective basis. Students with physical defects and handicaps are not necessarily excused from physical education but may be assigned to special courses with the approval of the Medical Director. No more than 8 credits in PED courses can count toward a bachelor's degree, except in case of a shaped major in physical education.

³⁸ Other than Hebrew and Yiddish. See page 45 for regulations governing foreign language study.



Ivry Department of Jewish Studies. Courses are available for students with little or no background, for those with some background, and for those with an extensive background.

The courses in the disciplines of Bible, Hebrew, Jewish Education, Jewish History, Jewish Philosophy, and Judaic Studies offered at Stern College constitute the Jewish Studies Program. It is organized into two segments, Core and Elective. Regardless of transfer credit, a minimum of 18 credits in Jewish Studies must be taken at the College.

a. Core segment (18-36 credits)³⁹

- I. The Core segment, consisting of eight to ten hours of lecture per week, is required during each of the first six semesters of full-time attendance at Stern College.
- II. The Core segment each semester consists of one Bible course, one Judaic Studies course, and one additional course chosen by the student to meet the distribution requirement in Paragraph C below.
- III. Credit for the Core segment is 3 to 6 credits each semester as determined by the student at the time of registration.

³⁹ These requirements are modified for transfer students who spend less than four years at Stern College, and for students in combined or joint programs in occupational therapy, pre-engineering, psychology, and social work. Consult the Office of the Registrar for details.

IV. A separate permanent record is maintained for the Core segment, on which each course and its grade are recorded, and a separate transcript is issued for such work. The average for each semester is calculated as described on page 27. This is then transferred as one composite grade entitled Hebraic Studies (see page 67) to the SCW permanent record for the number of credits (3, 4, 5, or 6) for which the student registered that term. The composite average is transferred as follows:

3.668-4.000=A	1.668-2.000=C
3.334-3.667=A-	1.334-1.667=C-
3.001-3.333=B+	1.001-1.333=D+
2.668-3.000=B	0.668-1.000=D
2.334-2.667=B-	0.334-0.667=D-
2.001-2.333=C+	0.000-0.333=F

b. Elective segment

Each student must complete a total of 14 credits in elective courses in Jewish Studies. A minimum of 2 credits in Jewish Studies is required in each semester of full-time study at Stern College.

c. Distribution requirements within Core and/or Elective segment³⁹

1. Bible: Six Bible courses or a minimum of 15 credits.
2. Judaic Studies: Six Judaic Studies (JUD) courses or a minimum of 15 credits.
3. Jewish History: Two courses totaling a minimum of 5-6 credits in JHI courses.

4. Jewish Philosophy: Two courses totaling a minimum of 4-6 credits in JPH courses.
5. Hebrew: The requirement depends on the level to which a student is assigned on entering SCW:
 - i. Students assigned to HEB 1101B, 1102B, 1103B, or 1104B:
One HEB course must be taken in each required semester of Core segment.
 - ii. Students assigned to HEB 1203 or 1204:
One HEB course must be taken in each of four semesters of Core segment.
 - iii. Students assigned to HEB 1205 or higher:
Three HEB courses must be taken in the Core and/or Elective segments.
3. Major requirements are listed in the section *Programs of Study*, p.49.

ASSOCIATE IN ARTS—HEBREW LANGUAGE, LITERATURE, AND CULTURE: REQUIREMENTS

- a. Credit Requirement: Completion of both the Core and Elective segments of the Jewish Studies Program for the B.A. degree as described above. Students in a Sy Syms School B.S. program, or a joint or combined program, must also meet the B.A. Jewish Studies requirement to receive the A.A. degree.
- b. Residence requirement: The prior or simultaneous receipt of a bachelor's degree from Stern College or Sy Syms School.
- c. Grade requirement: An average of 2.4 or better in all Jewish Studies courses.
- d. Administrative requirements: Filing an Application for Degree during the registration period of the semester in which the student completes all requirements, and receipt of the approbation of the faculty and the President.

HEBREW TEACHER'S DIPLOMA: REQUIREMENTS

- a. Credit requirement: Completion of the following courses as part of, or in addition to, the requirements for the bachelor's degree:
 - 4 credits in Methods of Jewish Education with approval, JED courses numbered 2300-2399 or EDU 2130A, 2131A, or a graduate course offered by David J. Azrieli Graduate Institute of Jewish Education and Administration, with approval.
 - 3 credits in Practice Teaching (JED 2945)

- 3 credits in General Psychology (PSY 1011 or 1012).
 - 3 credits: Educational Psychology (EDU 1210) or, with approval, a course offered by Azrieli Graduate Institute.
 - 3 credits of additional electives in EDU or advanced PSY.
- b. Residence requirement: Simultaneous or prior receipt of a bachelor's degree from Yeshiva University.
- c. Grade requirement: Completion of Jewish Studies requirements at Stern College on the advanced level with an average of 2.800 or better.
- d. Exit requirement: Passing a comprehensive examination in Bible, a proficiency examination in Hebrew (or HEB 1409-1410), and a comprehensive examination in Jewish History (or JHI 1001-1002 or equivalent).
- e. Administrative requirements: Filing an Application for Degree during the registration period of the semester in which the student completes all requirements, and receipt of the approbation of the faculty and the President.

Students who are unable to complete requirements for the Hebrew Teacher's Diploma within four years may be permitted to take sufficient courses needed to complete the requirements for the HTD during the year following their receipt of the bachelor's degree on a tuition-free basis; only registration and other fees will be charged. Students who are interested in this "Fifth-Year Plan" must apply in writing on a request form (M37) to the Chair of Jewish Studies during their lower senior semester. If the additional year is necessary and the quality and level of their work in Jewish studies is sufficiently high, the Chair and College dean will approve the student's admission to the plan. Holders of the Hebrew Teacher's Diploma will receive, upon application to the National Board of License for Hebrew Teachers and/or regional licensing boards, a license to teach in schools under the jurisdiction of those boards.

PLACEMENT UPON ADMISSION

PLACEMENT EXAMINATION IN HEBREW

Before registration each student takes a placement examination and is assigned to the appropriate level of study: beginner's, elementary, intermediate, or advanced. (A student will not receive credit for courses on a lower level than the one on which she has been placed.)

Even the beginner's level courses presuppose the student's ability to read a vocalized Hebrew text and to write the Hebrew alphabet in cursive script.

ENGLISH PLACEMENT

Foreign students will be assigned to English as a Second Language based upon a placement examination upon entrance.

All other students may be required to write a placement essay during Orientation.

FOREIGN LANGUAGE STUDY

A student who wishes to continue a foreign language taken in high school should use the following general rule: one year of high school study is equivalent to one semester of college study.

Students will not receive credit for college courses, whether taken at Yeshiva University or transferred from another institution, numbered lower than the YU continuation courses, since lower courses duplicate what they have studied in high school.

A student who has graduated from a foreign secondary school in which the language of instruction was other than English or Hebrew should consult with the Office of the Dean about what level of the language to continue with, and about what exemption from requirements can be received for such knowledge.

MATHEMATICS PLACEMENT

A placement examination, taken during Orientation, is required of all students wishing to study mathematics.

SCHOOL REGULATIONS

Regulations pertaining to Stern College alone are given here; those uniformly applicable to all undergraduate schools are given in the section *University Regulations*.

ATTENDANCE

At the start of the semester each student must report in person to the instructor of each class in order to learn the specific attendance, examinations, and other requirements of that course. A student who does not meet these requirements may be dropped from the course.

A record of each student's attendance in each class is kept by the instructor. In performance courses (such as laboratory, public speaking, music, language, physical education) attendance is required at all class sessions. Attendance is compulsory for freshmen, students on probation, and all students in classes where the instructor requires attendance. Generally a student's attendance record is taken into account whenever there may be occasion to determine her status in the University.

Where attendance is required, absence without excuse may result in the student receiving a penalty grade which may cause her to be placed on probation or to receive an academic dismissal. Even with excused absences, if the student has missed too

much to earn course credit, she will be dropped from the class and receive a grade of W.

GRADES: P OR N SYSTEM

For the purpose of stimulating students to take coursework outside their area of specialization, each student is permitted to select one course each semester to be graded P or N. The course so selected may not be one required for graduation or to fulfill the requirements of the major. Students must apply for such a course on Form T28.2, available in the Office of the Registrar. This form lists the regulations and limitations applicable to the choice of a course on the P or N system.

HONORS, RETENTION STANDARDS, CREDITS FOR ENROLLMENT IN CLASSES

Regulations governing the Dean's List, retention, probation, disciplinary action, and credits for enrollment in classes are found on page 27.

HONORS WORK, INDEPENDENT STUDY, AND DIRECTED STUDY

Regulations governing Honors Work, Independent Study, and Directed Study are found on page 28.

INTERNSHIPS

In several disciplines, apprenticeships are available in a setting complementary to academic coursework in the field. The internship must be supervised and approved by a faculty adviser. Internships are listed on the student's record as "(Subject) 4941." (A second term is 4942, etc.) Credit depends on hours devoted. Regulations governing internships are found in Form P18.1, available in the Office of the Registrar.

WORK LOAD

The normal number of credits for a full semester's work toward the bachelor's degree is 15½ to 18½. (This includes those credits transferred to the degree from the Jewish Studies Program—see page 43). No more than seven courses, including approved courses taken outside the College, may be taken in a semester. In rare instances students with superior records (an average of 3.8 or over) may be permitted heavier programs. Such a request must be made in writing to the Academic Standards Committee.

A full-time student is defined as one who is enrolled for at least 12 credits during a 15-week semester or at least 3 credits during a 4-week session.

Students with low averages are subject to restrictions on their work load as described in the section *Academic Retention, Probation, and Dismissal*, page 27.

SY SYMS SCHOOL OF BUSINESS

Sy Syms School of Business offers business programs for undergraduate men and women. It was established in 1987 through major gifts by Sy Syms, a member of the University's Board of Trustees, and other business leaders. The School offers the unique combination of a complete business curriculum along with Yeshiva University's Jewish studies component.

Sy Syms School offers professional preparation with a broad base in liberal arts studies. The curriculum, leading to the Bachelor of Science degree, incorporates the study and use of computers as part of coursework. Jewish tradition provides the framework for consideration of ethical issues, an integral part of the School's education. All students take a full Jewish studies program. Students at the Joel Jablonski Campus simultaneously attend one of the three schools of Jewish studies there; Midtown Center students take the Jewish studies program offered through Stern College.

The faculty of Sy Syms School are committed to teaching undergraduates while maintaining respected positions in the research and professional communities. They thus offer students a thorough background in the theoretical as well as the practical aspects of business.

CURRICULUM

BACHELOR OF SCIENCE

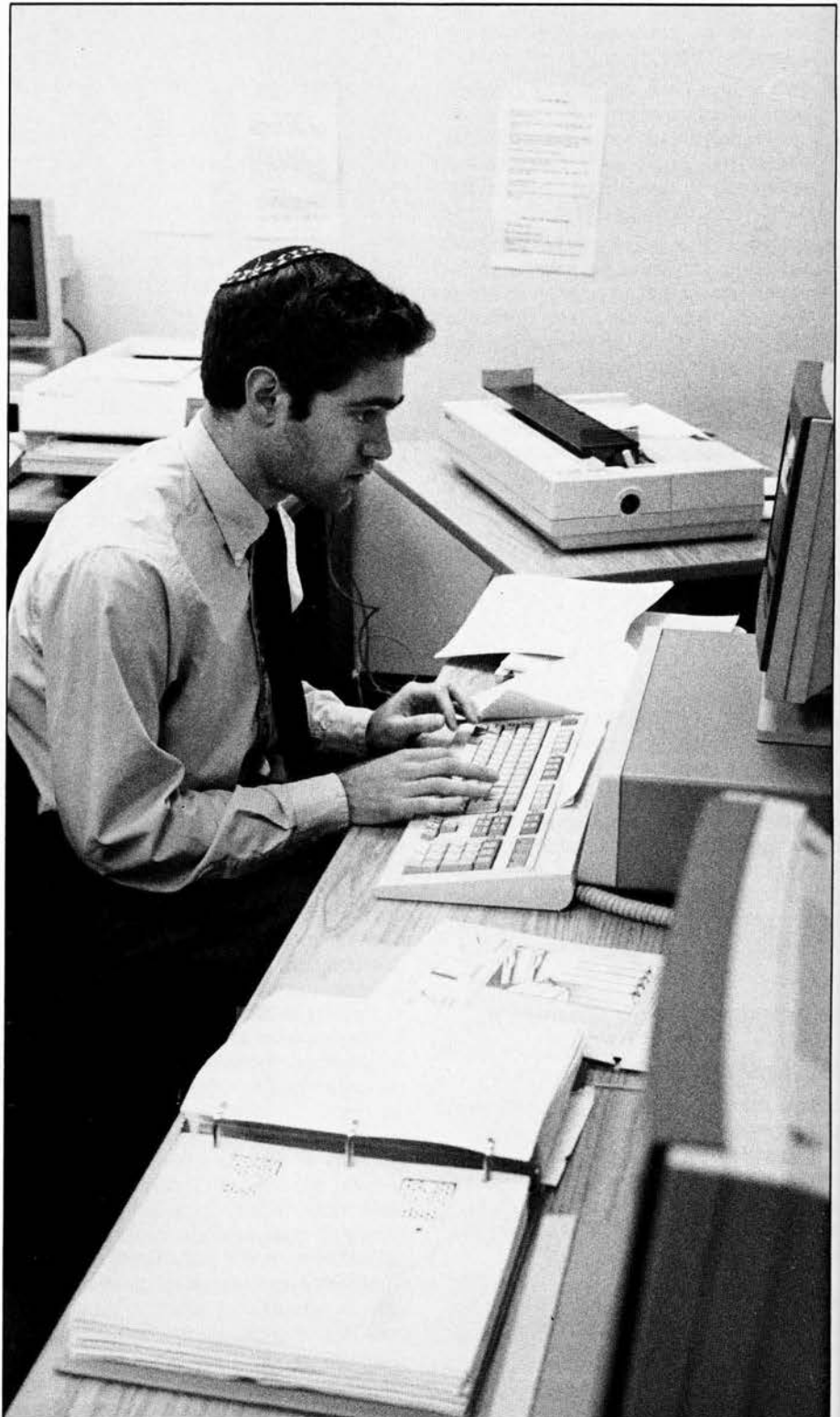
MAJORS

Each student must select one area as a major. Permission of the Dean of the School must be obtained for the planned course of study. Subjects in which the student may major are listed below, with the page number where the requirements for that subject are given:

Accounting—CPA program, p. 49
 Business & Management—Finance, p. 50
 Business & Management—Management Information Systems, p. 50
 Business & Management—Marketing, p. 50

Regardless of how much transfer credit is granted a student, at least 60% of the required credits in the major must be taken at Sy Syms School.

For regulations dealing with waivers and



substitution of requirements see page 29.

DEGREE REQUIREMENTS

- Course and credit requirement:** Completion of all courses required generally (see below) and for a major (see above), plus sufficient electives to total at least 128 credits (as defined on page 30), of which no more than 8 may be in Physical Education.
- Residence requirement:** Students must have attended an institution of higher education full time at least 8 semesters. They must be in residence at the New York campus of Yeshiva University at least 4 semesters, taking at least 12 credits each semester. At least 24 of the last 35 credits must be taken in residence⁴⁰.
- Grade requirement:** An average of 2.0 or better in all studies and a grade of C or better in all courses in the major presented for the major requirement.
- Administrative requirements:**
 1. Approbation of the faculty and the President.
 2. Filing of an Application for Degree during the registration period of the semester in which the student completes all requirements.
 3. Senior research paper—To be eligible for graduation, each senior must complete a research paper. This paper is written under the supervision of the Dean or a member of the faculty of the School.

The following general courses are required of all students:

- Basic Courses—7 credits**
English Composition: English 1100 or 1101-1102 (3 or 4 credits); Physical Education:⁴¹ 1 credit; Speech: Speech 1010 or 1010A (2 or 3 credits).
- Humanities⁴²—10 to 12 credits**
Two courses in literature, each 3 credits, chosen from English, French, Greek, Japanese, Latin, or Spanish (6 credits); and two courses chosen from History (introductory courses); Philosophy (introductory courses); Art 1050A or 1051 or 1052; Music 1111 or 1111A; any foreign language other than Hebrew and Yiddish (4 to 6 credits).
- Social Sciences—6 credits**
Psychology 1011 or 1012; 3430.
- Natural Sciences—6-10 credits**
This requirement may be met in any of the following ways (Mathematics is recommended):
 - a. Mathematics 1412 and one of the following: Biology 1001C or 1011C and 1011L, Chemistry 1045C or R&L, Physics 1031 R&L or 1041 R&L, Sci-

ence 1021C or 1023C

Any two courses as follows:

- b. Biology 1000C, 1002C, or 1011C&L, 1012C&L
 - c. Chemistry 1045C-1046C, or 1045 R&L -1046 R&L
 - d. Physics 1031 R&L, 1032 R&L or 1041 R&L-1042R&L
 - e. Science 1021C, 1023C
5. *Hebrew Language, Literature, and Culture*—18 to 45 credits
Jablonski Campus students have the same requirements as Yeshiva College students; see page 34.

Midtown Center students must meet the following distribution requirements:

- A. Core segment—same as for Stern College students; see page 44.
- B. Elective segment—7 credits in elective courses in Jewish Studies.
- C. Distribution requirements within Core and/or Elective segments:

1. Bible: One Bible course must be taken in each required semester of Core segment.
2. Judaic Studies: One Judaic Studies course must be taken in each required semester of Core segment.
3. Jewish History: A minimum of 3 credits in Jewish History courses.
4. Jewish Philosophy: A minimum of 2 credits in Jewish Philosophy courses.
5. Hebrew: The requirement depends on the level to which a student is assigned on entering YU:
 - a. Students assigned to Hebrew 1101B, 1102B, 1103B, or 1104B: one Hebrew course must be taken in each required semester of Core segment.
 - b. Students assigned to Hebrew 1203 or 1204: one Hebrew course must be taken in each of four semesters of Core segment.
 - c. Students assigned to Hebrew 1205 or higher: a minimum of 4 credits in Hebrew courses.

Minimum required in general courses—65 credits (English 1324A is highly recommended).

BUSINESS CORE

All students are required to take the following core courses (33-36 credits) as part of their program of study:

Accounting 1001, 1002; Business Law 2021 (except Accounting majors who take Business Law 2111, 2112 as part of their major); Economics 1011, 1021, 1221; Finance 1408; Management Information Systems 1020; Management 1020; Marketing 1001; Statistics for Business 1131, 1601.

ADMISSION

Freshmen men are admitted to Yeshiva College and simultaneously to one of the three schools of Jewish Studies for men; freshmen women are admitted to Stern College. Admission requirements are listed in Admission, page 14.

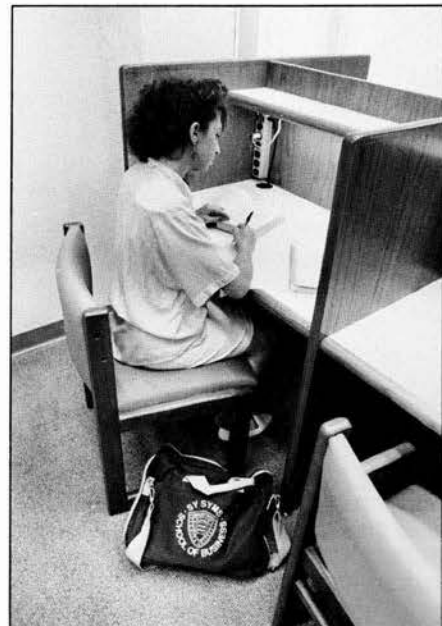
Freshmen who wish to major in Accounting or Business & Management will receive academic counseling from the Dean of Sy Syms School.

GRADES

The grading system is described on page 26.

HONORS, RETENTION STANDARDS, CREDITS FOR ENROLLMENT IN CLASSES

Regulations governing the Dean's List, honors at graduation, retention, probation, disciplinary action, and credits for enrollment in classes are found on page 27.



⁴⁰ The normal amount of time for the completion of the degree is four years; students are expected to complete all work within six years of the date of admission to a college, excluding time lost because of illness or service with the armed forces.

⁴¹ Two Physical Education courses are required of all students, and additional courses may be taken on an elective basis. Students with physical defects and handicaps are not excused from Physical Education but are assigned to special classes with the approval of the Medical Director. No more than 8 credits in Physical Education courses may count toward a bachelor's degree, and no student may register for more than one Physical Education course a semester.

⁴² At the Midtown Center these must be Level B or C courses; these are courses without pre-requisites, often introductory surveys. They are so labeled in the Schedule of Courses.

ISRAEL PROGRAM

For the benefit of those students who wish to spend a year in Israel and concentrate on Jewish studies, the University, with the approval of the New York State Education Department and the government of Israel, has established a Joint Israel Program under which students may take courses at any one of 26 Israeli institutions. A current list of such institutions is available upon request from the Office of Admissions. Students must apply to the Israeli institution as well as to Yeshiva University, and must be accepted by both in order to enroll in the joint program. Contact the Office of Admissions to obtain an application and informational brochure.

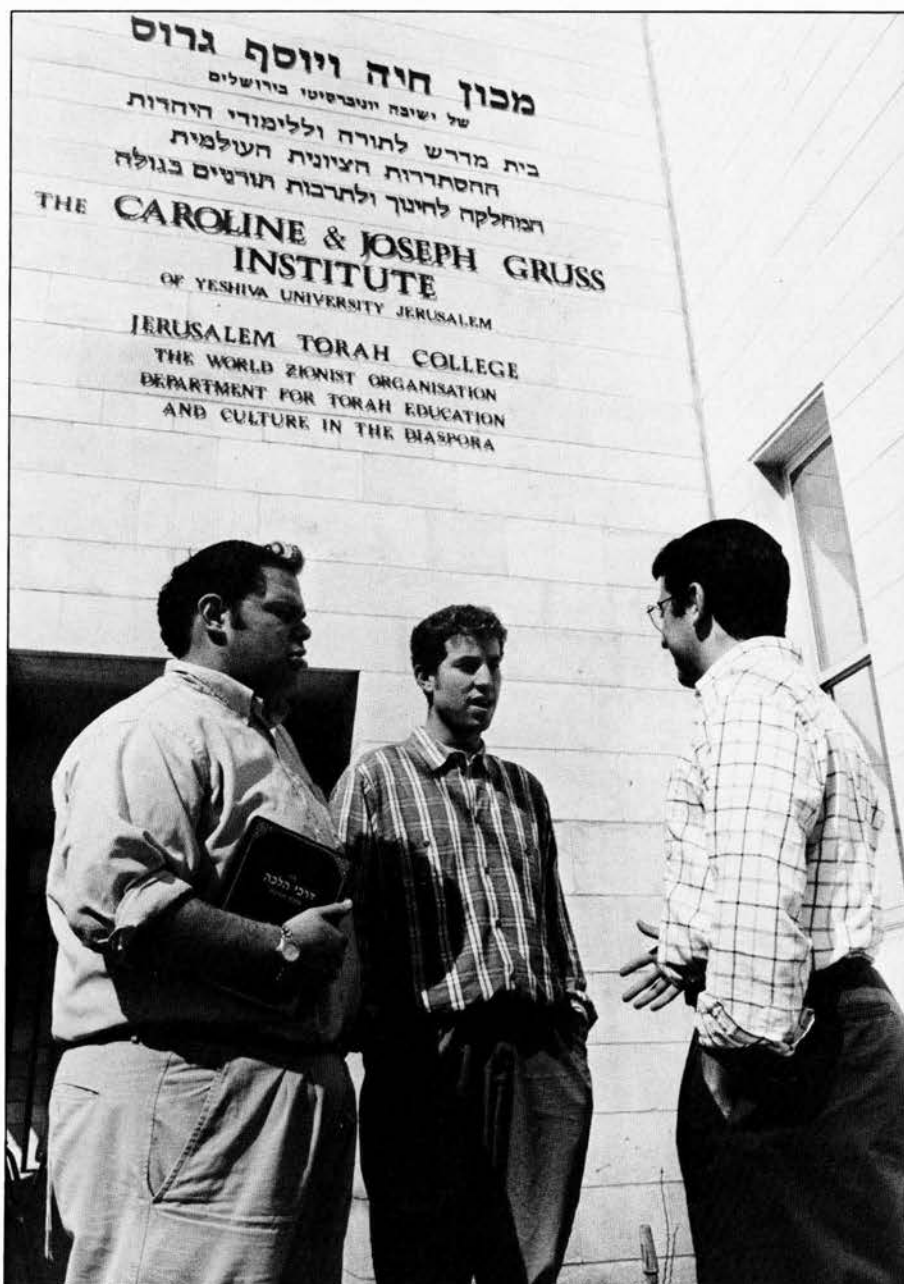
Yeshiva University's Joint Israel Program has four objectives:

- To enable students to incorporate study at Israeli yeshivot, women's schools, or universities into their college years, enhancing their university experience;
- To expose students to intense, concentrated study of Bible, Talmud, Jewish philosophy, and other subjects;
- To increase fluency in oral and written Hebrew;
- To enable students to learn firsthand about Israel: the land, people, history, and culture.

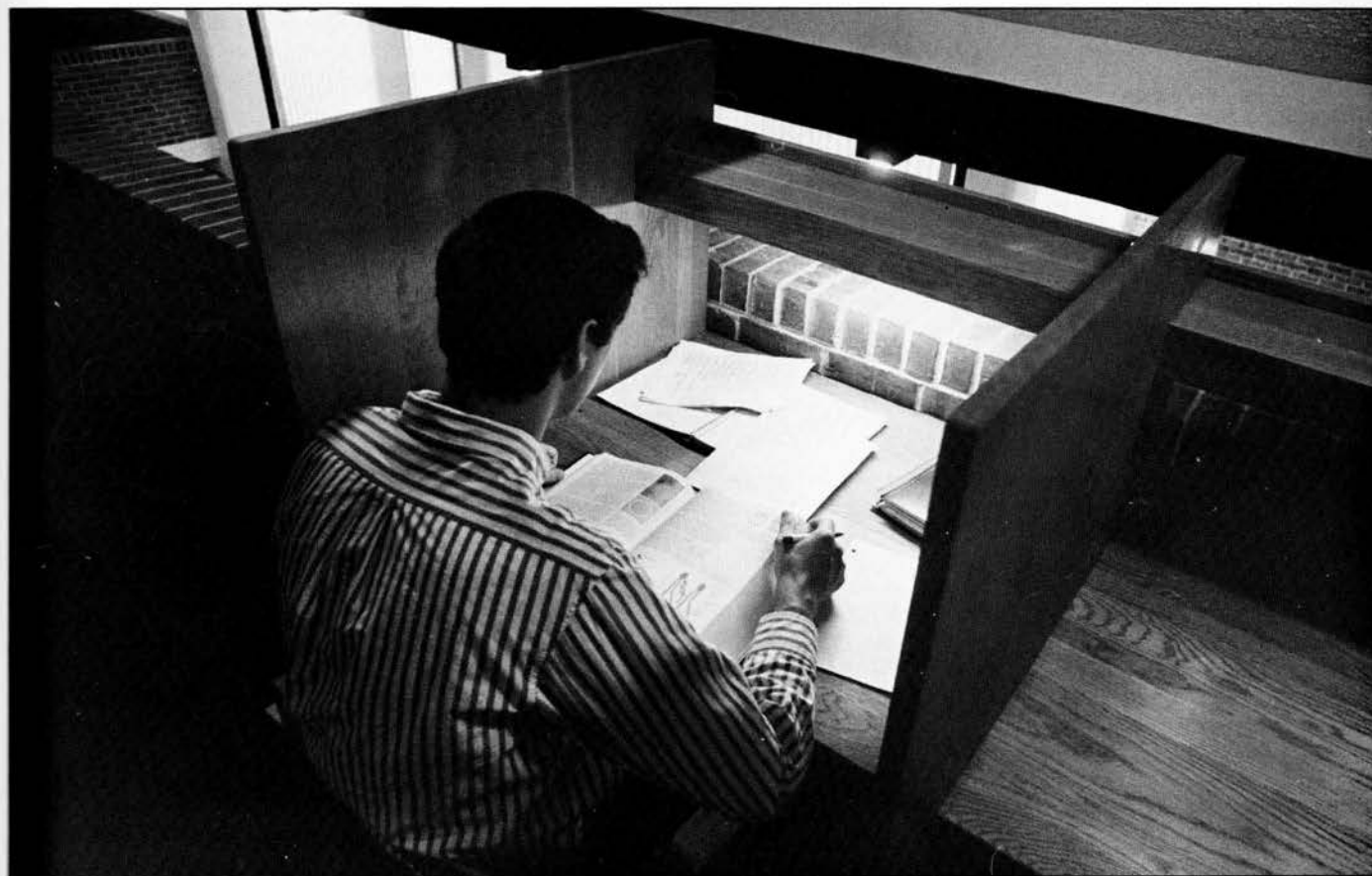
The program is supervised by a full-time resident director and staff. Its headquarters is at the Caroline and Joseph S. Gruss Institute in Jerusalem, at which some of the courses are offered. The program has the status under New York law of an extension center. While no degrees are offered by the University in Israel, since courses are given on a limited and temporary basis for the convenience of students, credits earned in the program are considered as residence credit and not as transfer credit. All courses taken with permission in the program appear on the student's Yeshiva University Israel Program permanent record and on transcripts made from this record. Students are considered as if they were Yeshiva University students in New York, and are eligible for all applicable financial aid programs.

Students should consult the office of the Registrar for detailed information on study in Israel (Form P6). Generally speaking, the academic regulations of YC and SCW apply to the Israel program. However, the program basically follows the standard Israeli academic calendar, under which classes begin earlier and end somewhat later than in the United States; students who plan to

take courses in Israel are cautioned that the year there may end too late for students to enter some American summer sessions. They should also note that grades for the fall semester are not available until late in the spring, and grades for the spring are not available until late in the summer—sometimes not until after American institutions begin their fall sessions.



PROGRAMS OF STUDY



A complete list of all undergraduate programs and the degrees to which they lead will be found on page 90. Majors and minors are available **only** at the schools listed.

The same course may be counted toward two majors, or toward a major and minor, only if it is specified in the Catalog as being required for both. An elective course may not count twice.

Each school has minimum residence requirements for majors and minors; see the school sections, as well as those for individual subjects. (Residence is defined on page 31.)

ACCOUNTING (CPA PROGRAM)

Sy Syms School

Major:

Business Core (see above, page 47), and Accounting 1101, 1102, 2403, 3201, 3601; Business Law 2111, 2112; Taxation 2501, 2502.

ART

Minor:

Yeshiva College:

Art 1050A or 1052A plus 14 additional Art credits.

Stern College:

Art 1050, 1051 or 1052 plus 12 additional Art credits.

BIBLE

Isaac Breuer College

Major:

13 credits in Bible courses (beyond the 19 required of all students in IBC); comprehensive examination or BIB 4950.

Minor:

7 credits in Bible courses (beyond the 19 required of all students in IBC); qualifying examination or Bible 4950.

BIOLOGY

Yeshiva and Stern Colleges

Major:

Biology 1011, 1012 (C or R&L) and 18 additional Biology credits, including four advanced laboratory courses; Chemistry 1045-1046 (C or R&L).

Yeshiva College:

Mathematics 1412 and 1 course from Statistics 1021, or Mathematics 1413.

Stern College:

Two courses from among Computer Sciences 1315C; Mathematics 1412, 1413; and Statistics 1021.

Strongly recommended, especially for students who plan to do graduate work in Biology: Chemistry 1213, 1214 (C or R&L), and 1376.

Also recommended is Physics 1031-1032 R&L or 1041-1042 R&L.

Minor:

Biology 1011, 1012 (C or R&L) and 10 additional Biology credits, at least 8 of which must be in laboratory courses. Chemistry 1376, 1377, and 1377L may be counted toward a Biology major or minor.

BUSINESS & MANAGEMENT**Sy Syms School****Major:**

Students majoring in Business & Management may select one of three concentrations: Finance, Management Information Systems, or Marketing.

FINANCE

Business Core (see above, page 47) and Finance 2409, 2505, 2521, 3601, 3603 (15 credits);

Business Electives: 4 courses, each 3 credits, chosen from Accounting, Management Information Systems, Management, Marketing, Taxation (12 credits).

MANAGEMENT INFORMATION SYSTEMS

Business Core (see above, page 47) and Information Systems 2821, 2822, 3830, 3831, 3832 (15 credits);

Business Electives: 4 courses, each 3 credits, chosen from Accounting, Finance, Management, Marketing, Taxation (12 credits).

MARKETING

Business Core (see above, page 47) and Marketing 2501, 2621, 3313, 3321, 3341 (15 credits);

Business Electives: 4 courses, 3 credits each, chosen from Accounting, Finance, Management Information Systems, Management, Taxation (12 credits).

CHEMISTRY**Yeshiva and Stern Colleges****Major:****Yeshiva College:**

Chemistry 1045-1046 R&L, 1122C, 1213 R&L, 1214 R&L, 1415R, 1416R, 1937 (or 1938), and two additional Chemistry courses, one of which must be a laboratory course and one a lecture course; Mathematics 1412, 1413; Physics 1041-1042 R&L.

Stern College:

Chemistry 1045C-1046C, 1123C, 1124C, 1213C, 1214C, 1415R, 1416R, 1937 (or 1938), and one additional Chemistry course (excluding 1937, 1938); Mathematics 1412, 1413; Physics 1031-1032 R&L or 1041-1042 R&L.

Recommended: For a biochemistry emphasis in the major or minor, students should choose their electives from Chemistry 1376, 1377R, 1377L, 1379. Students planning graduate study in chemistry are strongly urged to take Chemistry 1415L and 1607.

Minor:**Yeshiva and Stern Colleges:**

Chemistry 1045-1046 R&L (or 1045C-1046C), 1122C (or 1123C), 1213 R&L (or 1213C), 1214 R&L (or 1214C); and one additional Chemistry course (at SCW), two additional Chemistry courses (at YC). Chemistry 1415R may be substituted for 1122C or 1123C, but in that case one of the additional courses must be a laboratory course.

CLASSICAL LANGUAGES**Yeshiva College****Major:**

Latin, 2 years (not including 1101-1102); Greek, 2 years; also such additional courses, not exceeding 15 credits, as may be prescribed by the instructor for the individual student.

Minor:

18 credits in Latin or 18 credits in Greek or 24 credits in Latin and Greek.

COMPUTER SCIENCES**Yeshiva and Stern Colleges****Major:**

Computer Sciences 1315C, 1336C, 1502, 1503, 2101C or 3402, 3610 or 3640, 3543, 3544, plus 9 additional credits in Computer Sciences advanced electives chosen with the approval of the discipline adviser; Mathematics 1412, 1413 (or 1471, 1472) and 2105.

Recommended: Physics 1041-1042 R&L, 1724.

Those interested in computer hardware should take Computer Sciences 2101C and 2146C.

Students should also note the Computer concentration of the Mathematics major (page 52).

Minor:

Computer Sciences 1315C, 1336C, 1502, 3543 and 6 additional credits in Computer Sciences electives approved by the discipline adviser; Mathematics 1412, 1413 (or 1471, 1472).

ECONOMICS**Yeshiva and Stern Colleges****Major:**

Economics 1011, 1021, 1101, 1201 (or 1221); Statistics 1021; 15 additional credits in Economics; and (at YC only) 6 credits in correlate courses approved by the senior professor, chosen from the disciplines of History, Philosophy, Political Science, Psychology, or Sociology. Statistics 1024, Finance 1408, and up to 6 additional credits in courses in Sy Syms School may also count toward the major.⁴³

Minor:

18 credits including ECO 1011, 1021.

EDUCATION**Stern College⁴⁴****Major:**

Students may select one of three concentrations: Elementary Education, Early Childhood, or Special Education. Effective Fall 1990, a new program has been established to conform with guidelines recently prescribed by the State of New York. For details consult the Office of the Dean.

Yeshiva College students interested in becoming elementary or secondary school teachers should consult Form P1.9YC, available in the Office of the Registrar.

See also Jewish Education.

ENGLISH**Major:****Yeshiva College:**

English 2003; 2004; eight additional courses in English (24 additional credits minimum), six of which must be taken in residence. At least two of these courses must focus on pre-1800 literature, two on post-1800 literature, and two on a particular genre or theme. At most, one writing course may count toward the major (3501 or 3502, or 4201 or 4202).

Stern College:

English 2003, 2004, 4960, 4970, and 21 credits of English electives, 15 of which must be in literature, constitute the English Literature track. Students also may take one of three English-Communications tracks: Advertising, Public Relations, or Journalism. Consult the English Department for the specific requirements in each track. Stern College offerings in these areas may be supplemented by courses offered at Fashion Institute of Technology. With approval on Form M37, up to 12 credits of coursework taken at FIT, through Yeshiva University, may apply toward the major. It is strongly recommended that all English-Communications students complete at least one internship.

Minor:**Yeshiva College:**

English 2003; 2004 and 12 additional credits distributed as described in the major, that is, including at least one course from each category. All courses in the minor must be taken in residence.

Stern College:

6 credits from English 2003; 2004; 2610, 2611, and 2612 and 9 additional credits.

⁴³ Check prerequisites before registering.

⁴⁴ These are the requirements for the B.A. degree with a major in Elementary Education, which lead to provisional New York State certification as an elementary school teacher, grades N-6. For major in Jewish Education, see below.



FRENCH

Yeshiva College

Major:

27 credits in French courses including 2101-2102 (or 2125-2126 and 2127-2128) and 1421. French 1101-1102 and courses numbered in the 3000's may not be included. Also such additional courses, not exceeding 15 credits, as may be prescribed by the senior professor for the individual student.

Recommended: French 1503 and 4911; courses in Classical literature, English literature, History, and Philosophy.

Minor:

Yeshiva and Stern Colleges:

18 credits in French courses; 2101-2102 (or 2125-2126 and 2127-2128) and 1421 must be included, while 1101-1102 and courses numbered in the 3000's may not be included.

HEBREW

Yeshiva and Isaac Breuer Colleges

Major:

Yeshiva College/Mazer Yeshiva Program:

24 credits in Hebrew courses more advanced than 1206. (For YC, IBC students, these must be transferred from Isaac Breuer College.)

Isaac Breuer College:

29 credits in Hebrew courses; comprehensive examination or Hebrew 4950. Students who complete Hebrew 4950 need not take a qualifying examination in their minor subject.

Minor:

Yeshiva College:

12 credits in Hebrew courses above 1206.

Isaac Breuer College:

23 credits in Hebrew courses; qualifying examination.

HISTORY

Yeshiva and Stern Colleges

Major:

Yeshiva College:

History 1001; 1002, and an additional 24 credits in History courses with not less than 6 in courses numbered 2000-2599.

Any two of the following: Economics 1011; Philosophy 1011 or 2170 or 2420; Political Science 1001 or 1040 or 1503; Psychology 1011; Sociology 1001.

With the permission of the senior professor, up to 6 credits in Jewish History may be counted toward the major.

Stern College:

History 1001; 1002 and an additional 24 credits in History courses. With the permission of the senior professor, up to 6 credits in Jewish History (in excess of those required by the Jewish Studies distribution requirement) may be counted toward the major.

Minor:

Yeshiva and Stern Colleges:

History 1001; 1002 and 9 (at SCW) to 12 (YC) additional credits in History courses.

JEWISH EDUCATION

Isaac Breuer and Stern Colleges

Major:

Isaac Breuer College:

Education 1001; Jewish Education 1553, 2301, 2552B, 2945B; comprehensive examination.

Stern College:

See the requirements for the Hebrew Teacher's Diploma on page 44.

A joint bachelor's-master's program in Jewish Education (see page 29) is offered together with David J. Azrieli Graduate Institute of Jewish Education and Administration. Interested students should consult the Office of the Registrar (Form P3.4).

Minor:

Isaac Breuer College:

Education 1001; Jewish Education 1553, 2301 (or 2552B), and 4 additional credits in Jewish Education courses; qualifying examination.

JEWISH HISTORY

Isaac Breuer College

Major:

Jewish History 1001; 1002 (or 9 credits chosen from 1321, 1371, 1401, 1404, 1831) and 15 additional credits in Jewish History courses; comprehensive examination or Jewish History 4950.

Minor:

Isaac Breuer College:

Jewish History 1001, 1002 (or 9 credits chosen from 1321, 1371, 1401, 1404, 1831) and 9 additional credits in Jewish History courses; qualifying examination or Jewish History 4950.

Yeshiva College:

Two courses chosen from Jewish History 1200, 1300, 1400, and 15 additional credits in Jewish History courses.

JEWISH PHILOSOPHY

Isaac Breuer College

Major:

Isaac Breuer College:

19 credits in Jewish Philosophy courses; comprehensive examination or Jewish Philosophy 4950.

Minor:

Isaac Breuer College:

13 credits in Jewish Philosophy courses; qualifying examination or Jewish Philosophy 4950.

Yeshiva College:

Philosophy 1011, 1012 (or 2170, 2420); Jewish Philosophy 5011, 5012; and 6 additional credits in Jewish Philosophy courses.

JEWISH STUDIES⁴⁵

Yeshiva and Stern Colleges

Major:

Yeshiva College/Mazer Yeshiva Program:

27 credits chosen from the disciplines of Bible, Hebrew, Jewish Education, Jewish History, Jewish Philosophy and Judaic Studies beyond those used to meet general degree requirements, with 15 credits concentrated in either Bible, Hebrew, or Jewish History. (Up to 8 HES credits may be counted toward the 27 with written permission of the Division of Jewish Studies.)

Yeshiva College/Isaac Breuer College:

33 credits from Isaac Breuer College transferred to Yeshiva College.

No courses taken in James Striar School may be counted toward the major at Yeshiva College.

⁴⁵ These are the requirements for the B.A. and B.S. degrees. For the A.A. degree and the Hebrew Teacher's Diploma at IBC see page 36, at JSS see page 40, and at SCW see page 44.

Stern College:

24 credits at the advanced level, beyond those used to meet general degree requirements.

With written permission, graduate courses in Jewish Studies may count toward the requirements for the major. Interested students must apply (Form P3.1) for permission to take such courses and specify that they wish them to count toward the major.

A joint bachelor's-master's program in Jewish Studies (see page 29) is offered at both Yeshiva and Stern Colleges with Bernard Revel Graduate School. Interested students should consult the Office of the Registrar (Form P3.4).

Minor:**Stern College:**

15 credits on the advanced level beyond those used to meet general degree requirements.

JUDAIC STUDIES**Isaac Breuer College****Minor:**

12 credits in Judaic Studies courses and qualifying examination.

MATHEMATICS**Yeshiva and Stern Colleges****Major:**

Students select one of two concentrations:

(a) General: Mathematics 1412, 1413 (or 1471, 1472), 1510, 1521, 2105, and 12 additional credits in Advanced Mathematics approved by the senior professor (Statistics 1320 and 1460 may be counted); also at least three correlate courses approved by the senior professor (Physics 1041-1042 R&L and Computer Sciences 1315C are strongly recommended).

(b) Computer: Mathematics 1412, 1413 (or 1471, 1472), 1510, 2105 and four additional Advanced Mathematics courses approved by the senior professor including one of the following sequences: (1) Mathematics 1520, 1521; (2) Mathematics 2215-2216; (3) Statistics 1320-1460 (Computer Sciences 1520, 1503 count as Advanced Mathematics courses).

Also Computer Sciences 1315C, 1336C, 3543, 3544, 2101C (or 3402) and two additional Computer Sciences courses (excluding 1502, 1503, 3110, 3120, 3901-4).

Students interested in becoming actuaries should take Statistics 1320 and 1460. Also recommended are Mathematics 3610, Computer Sciences 4541, and additional courses in Computer Sciences and Economics.

Minor:

Mathematics 1412, 1413 (or 1471, 1472) and 12 additional credits in a planned course of study approved by the senior professor.

The normal sequence of courses in the first two years is 1412, 1413 (or 1471, 1472), 1510, and 2105. A mathematics placement examination is administered during the period of orientation. This test must be taken by a student before registering for Mathematics 1160, 1412, or 1471.

MUSIC**Yeshiva College****Major:****Philip and Sarah Belz Program:**

Music 1111A and an additional 28 credits, including courses in each of the four areas within the discipline (Music Literature and History, Music Theory, Musical Performance, and Applied Studies) as required by the senior professor.

Minor:**Yeshiva College:**

Music 1111A and an additional 18 credits distributed as described for the major.

Stern College

Music 1111 and an additional 15 credits distributed as described for the major.

OCCUPATIONAL THERAPY**Stern College**

Combined Programs in Occupational Therapy are offered by Stern College in conjunction with Columbia University's College of Physicians and Surgeons and with New York University's School of Education, Health, Nursing, and Arts Professions.

Three years of study at Stern College are followed by two years at the cooperative institution.

During the first three years, students complete general and Jewish studies requirements, fulfill prerequisites for admission to Columbia or NYU, and complete at least 18 credits toward an individually designed major (see Shaped Major, page 54).

Both 5-year programs lead to a B.A. degree from Stern College and a Master's degree from the cooperative institution. Yeshiva University confers the B.A. degree upon the successful completion of the 4th year of study, and the cooperative school confers the Master's degree upon completion of the entire program. Interested students should consult the Office of the Dean.

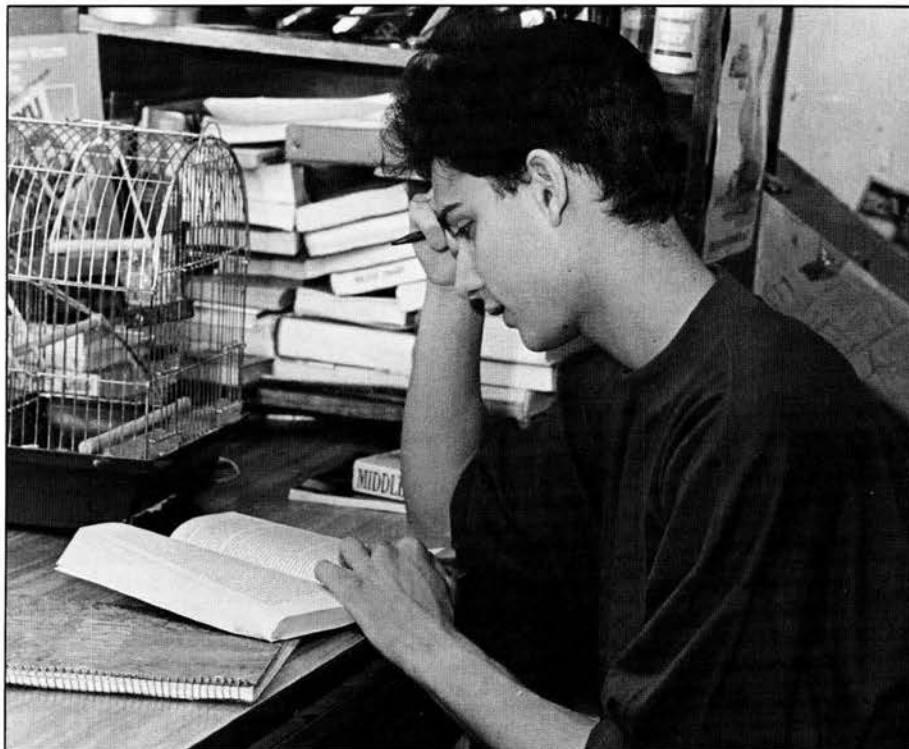
PHILOSOPHY**Yeshiva and Stern Colleges****Major:****Yeshiva College:**

Philosophy 1100, 1600, 2170, 2420, 4931, and 12 additional credits in Philosophy courses.

In addition, a 9-credit sequence in a subject related to an area of philosophy, chosen with the written approval of the senior professor.

Stern College:

30 credits, at least 21 in Philosophy courses; the remaining 9 may be in Jewish Philosophy courses (in excess of those required by the Jewish Studies distribution) chosen with the written approval of the senior professor.



Minor:**Yeshiva College:**

Philosophy 1100, 1600; two of the following: 2170, 2420, 2560, and 6 additional credits in Philosophy courses chosen with the written approval of the senior professor.

Stem College:

15 credits, at least 12 in Philosophy courses; the remaining 3 may be in Jewish Philosophy courses (in excess of those required by the Jewish Studies distribution) chosen with the written approval of the senior professor.

For the minor in Jewish Philosophy, see page 51.

PHYSICS**Yeshiva College****Major:**

36 credits, including 28 credits in Physics courses. Physics 1041 R&L, 1042 R&L, and Mathematics 1412, 1413 (or 1471, 1472) are required. It is strongly recommended that the following courses be included in the 36 credits: Physics 1221, 1321, 1621, and 1801L. Pre-engineering students who wish to fulfill the requirements for a Physics major may satisfy up to 6 of the 36 credits with coursework, chosen with the approval of the senior professor, at Columbia University School of Engineering and Applied Science.

Minor:

22 credits in Physics courses.

All students either majoring or minoring in Physics must consult with the senior professor for guidance as to an appropriate program.

POLITICAL SCIENCE**Yeshiva and Stern Colleges****Major:**

30 credits: Political Science 1001, 1040 and at least one course from each of the following groups: (1) American Studies (1100, 1441, 1510, 1600, 1650, 1900); (2) Comparative Politics (1310, 1320, 1340, 1364); (3) International Politics (1503, 1540); (4) Political Philosophy (1700, 1801, 1802, 1862).

At Yeshiva College, an additional 6 credits in correlate courses approved by the senior professor.

History 2510 may count toward the major and minor; Statistics 1021 may be counted toward the major.

Minor:

15 credits including Political Science 1001 or 1040 and at least one course from each of the following groups: (1) 1310, 1320, 1340, 1364, 1503; (2) 1801, 1802; (3) 1540, 1600, 1650, 1862.

PRE-ENGINEERING**Yeshiva and Stern Colleges****Major:**

Chemistry 1045-1046 (R&L or C); Mathematics 1471, 1472 (or 1412, 1413), 1510, 2105, 2601. Additional advanced courses in Mathematics are strongly recommended; Physics 1041-1042 (R&L or C) and either 1120 or 1621. Physics 1221B, 1321, 1322, and 1510 are strongly recommended; Computer Sciences 1315C and knowledge of Fortran; Economics 1011.

If drafting is desirable in light of the student's goals, it will be recommended by the Pre-Engineering Adviser.

The University has Combined Plans with Columbia University. Under the 3-2 plan, a student who attends Yeshiva University for three years, maintains a 3.000 average, and receives the recommendation of the Pre-Engineering Adviser is admitted to Columbia University School of Engineering and Applied Science as a junior. The student attends Columbia for two years and, at the successful completion of the program, YU confers the Bachelor of Arts degree and Columbia confers the Bachelor of Science degree. Under the 4-2 plan, for which a 3.300 average is required, the student takes an appropriate bachelor's degree at YU and, after two additional years of study at Columbia, receives the master's degree, bypassing the bachelor's degree in Engineering.

Students in the Combined Plan must maintain registration until they receive the B.A. degree. They must meet the same requirements for graduation as all students who spend three years in residence at the University. (Some modifications in Jewish Studies requirements may be permitted at Stern College.)

Students interested in the Pre-Engineering options are urged to discuss their specific course of study with the Pre-Engineering Adviser each semester prior to registration.

PRE-HEALTH SCIENCES**Yeshiva and Stern Colleges**

The following courses are required for the Pre-Health Sciences major, which prepares students for admission to professional schools in such areas as medicine, dentistry, and optometry:

Biology 1011-1012 (C or R&L); Chemistry 1045-1046 (C or R&L) and 1213-1214 (C or R&L); Mathematics 1412, 1413 (or Mathematics 1471, 1472 or Statistics 1021 and Mathematics 1412); Physics 1041-1042 (R&L).

In addition, the student must have a minor in any subject. See also Health Sciences Advisement, pages 24.

An accelerated program saving the student a year in achieving a degree in Podiatric Medicine is offered in a Combined Plan by Yeshiva University and the New York College of Podiatric Medicine. During the first three years of this program, the student fulfills the above requirements for a Pre-Health Sciences major at YU, including a minor. Upon receiving the recommendation of the Pre-Health Sciences Adviser, the student is admitted into NYCPM and attends for four years, and qualifies for degrees at both institutions. YU confers the Bachelor of Arts degree upon a student undertaking the Combined Plan at the successful completion of the fourth year of study, and NYCPM confers the degree of Doctor of Podiatric Medicine at the close of the program.

Students in the Combined Plan must maintain registration until they receive the B.A. degree. They must meet the same requirements for graduation as all students who spend three years in residence at the University. (Some modifications in Jewish Studies requirements may be permitted at Stern College.)

PRE-LAW**Yeshiva and Stern Colleges**

In conformity with the statement on prelegal education of the Association of American Law Schools, Yeshiva University strongly urges pre-law students to pursue a course of study which develops: a) critical understanding of the human institutions and values with which the law deals; b) creative and systematic thought processes; c) precise communication skills.

No specific major is required, since these objectives can be achieved within various academic disciplines.

See also *Pre-Law Advisement*, page 24.

PSYCHOLOGY**Yeshiva and Stern Colleges****Major:****Yeshiva College:**

33 credits: Psychology 1011; 1012 and 21 additional credits in Psychology courses, including at least one course from each of the following groups: (1) 1601, 1602, 2101, 2102, 3804, 4932; (2) 1110, 1130, 1301, 2414, 4931. Either Psychology 3410 or 3430 may count toward the major or minor, but not both.

Also required are Statistics 1021 and one of the following: Computer Sciences 1315C or 3110C, or Mathematics 1020 or 1412. Recommended: Biology 1011-1012 R&L; Philosophy 1011, 1012; Physics 1041-1042 R&L; Mathematics 1413 (for those interested in experimental psychology) or Sociology 1001, 1504 (for those interested in clinical psychology).

Stern College:

30-31 credits: Psychology 1011, 1012, 1110, 2100C (or Sociology 1504 with permission of department), 3800. One course from each of the following groups:

(1) Psychology 1120, 1301, 2414, 2430, 3411, 4911, 4931; (2) Psychology 1113, 1601, 2101, 2111, 2150, 3804.

Two additional courses may be selected either from the courses in the two groups above or from any other Psychology offerings, for example, Psychology 1130, 3105, 3430, Education 1210.

Statistics 1021 is also required.

A student at either Yeshiva or Stern who is planning to do graduate work should consult the senior professor concerning a program of courses appropriate for the student's field of interest, as well as other preparation necessary for graduate study.

A joint bachelor's-master's program in Psychology (see page 29) is offered together with Ferkauf Graduate School of Psychology. Interested students at both Yeshiva and Stern Colleges should consult the Office of the Registrar (Form P3.4).

Minor:**Yeshiva and Stern Colleges:**

18 credits in Psychology, including Psychology 1011, 1012. Statistics 1021 may count.

SEPHARDIC STUDIES**Isaac Breuer College****Major:**

Jewish History 1321, 1371 and 8 additional credits in JHI courses suffixed with S; JPH 1650; JUD 1471S, 1677S, 1678S; comprehensive examination.

The above courses are recommended to all students who plan to serve as educators in the Sephardic community.

SHAPED MAJOR**Stern College**

Student may structure an individual major—either interdisciplinary or in one field—specifically designed to meet her needs and interests. Interested students should complete Form G1.3 with the Shaped Major Adviser in their sophomore year, and then submit this form to the Office of the Registrar for review, and approval of the Dean. Students wishing to undertake a Combined Plan in Occupational Therapy with Columbia or New York University, the joint program with Wurzweiler School of Social Work, or a program in one of a variety of areas in Art and Fashion at the Fashion Institute of Technology, should develop a Shaped Major to accommodate the special requirements of these programs.

SOCIAL WORK**Yeshiva and Stern Colleges**

A joint 5-year program in social work is offered in conjunction with Wurzweiler School of Social Work, leading to a Bachelor of Arts degree and a Master of Social Work degree.

At Yeshiva College, during the first three years, students complete their general studies requirements and at least 18 credits toward a Psychology or Sociology major.

At Stern College, during the first three years, students complete their general studies and modified Jewish studies requirements as well as at least 18 credits toward an individually designed major (see Shaped Major, above).

Qualified students then enter the program at Wurzweiler.

Both degrees are awarded simultaneously at the completion of the program. Interested students should consult the Office of the Dean of their school.

SOCIOLOGY**Yeshiva and Stern Colleges****Major:****Yeshiva College:**

Sociology 1001, 1504, 1643, 4931 or 4932 and an additional 18 credits in Sociology courses chosen in consultation with the senior professor.

Also any two of the following: (a) Economics 1011 (b) History 1002 or 2006 (c) Philosophy 1010 or 1011 or 2170 (d) Political Science 1040 (e) Psychology 1011.

Statistics 1021 and Psychology 3105 may count toward the major; Statistics 1021 is highly recommended.

Recommended: Economics 1301; Philosophy 1100, 3200; Political Science 1801; Psychology 3105; Psychology 3800.

Stern College:

Sociology 1001, 1504, 1643 or 1644 and an additional 18 credits in Sociology courses.

Statistics 1021 and Psychology 3105 may count toward the major.

Statistics 1021 is highly recommended.

Minor:**Yeshiva and Stern Colleges**

Sociology 1001, 1504, 1643, or 1644 and an additional 6 credits in Sociology courses. Statistics 1021 and Psychology 3105 may be counted.

SPEECH AND DRAMA**Yeshiva and Stern Colleges****Major:****Yeshiva College:**

Speech 1010 and an additional 28 elective credits, at least 18 in Speech courses; the other 10, chosen with the approval of the senior professor, may be interdisciplinary, in advanced electives related to the student's academic and professional goals (at least 4 are generally recommended to be in English). No more than 4 credits in Theatre Workshop may be counted toward the major.

Stern College:

Students select from one of two tracks:

(a) General: Same for YC major above.

(b) Communication Disorders: 31 credits in Speech courses as follows: 3011, 3012, 3015, 3024, 3025, 3033, 3034, 3112, 3320, 3940, 3941, or 3942A;

Psychology 1011 and 1113A; Computer Sciences 1010C or Statistics 1021.

Biology 1011C, 1012C are recommended as the Natural Sciences requirement. Speech 3331 and 3332 are recommended electives.

Clinical and practicum courses are taken at Albert Einstein College of Medicine.

Minor:**Yeshiva and Stern Colleges:**

Speech 1010 and 12 elective credits of which no more than 2 may be chosen from Speech 2031 through 2038. With permission of the senior professor, 4 elective credits in English may be used to meet the requirement.

TALMUD**Isaac Breuer College****Major:**

18 credits beyond the 12 required of all students; comprehensive examination.

Recommended: Bible 1071A, 1072A, 1187, 1188; Jewish History 1104, 1371.

Minor:

10 credits beyond the 12 required of all students. Bible 1071A may be used to satisfy the requirement for a minor in Talmud.

DESCRIPTION OF COURSES

COURSE LISTINGS

Courses are listed in alphanumerical order: first by discipline in alphabetical order, then numerically within the discipline. The discipline is designated by a three-letter abbreviation, and the course by a four-digit number according to a standard classification. A course number with no suffix indicates a lecture-recitation course. If a suffix is used, it has the following meaning:

- A = a modified course given for fewer hours and credits
- B = a modified course given for more hours and credits
- C = a course combining lecture and laboratory work, with one grade given for both portions of the course
- L = a course consisting solely of laboratory work, or the separately graded laboratory portion of a course
- R = the separately graded lecture portion of a course
- S = a course in the Division of Jewish Studies dealing with Sephardic history and culture

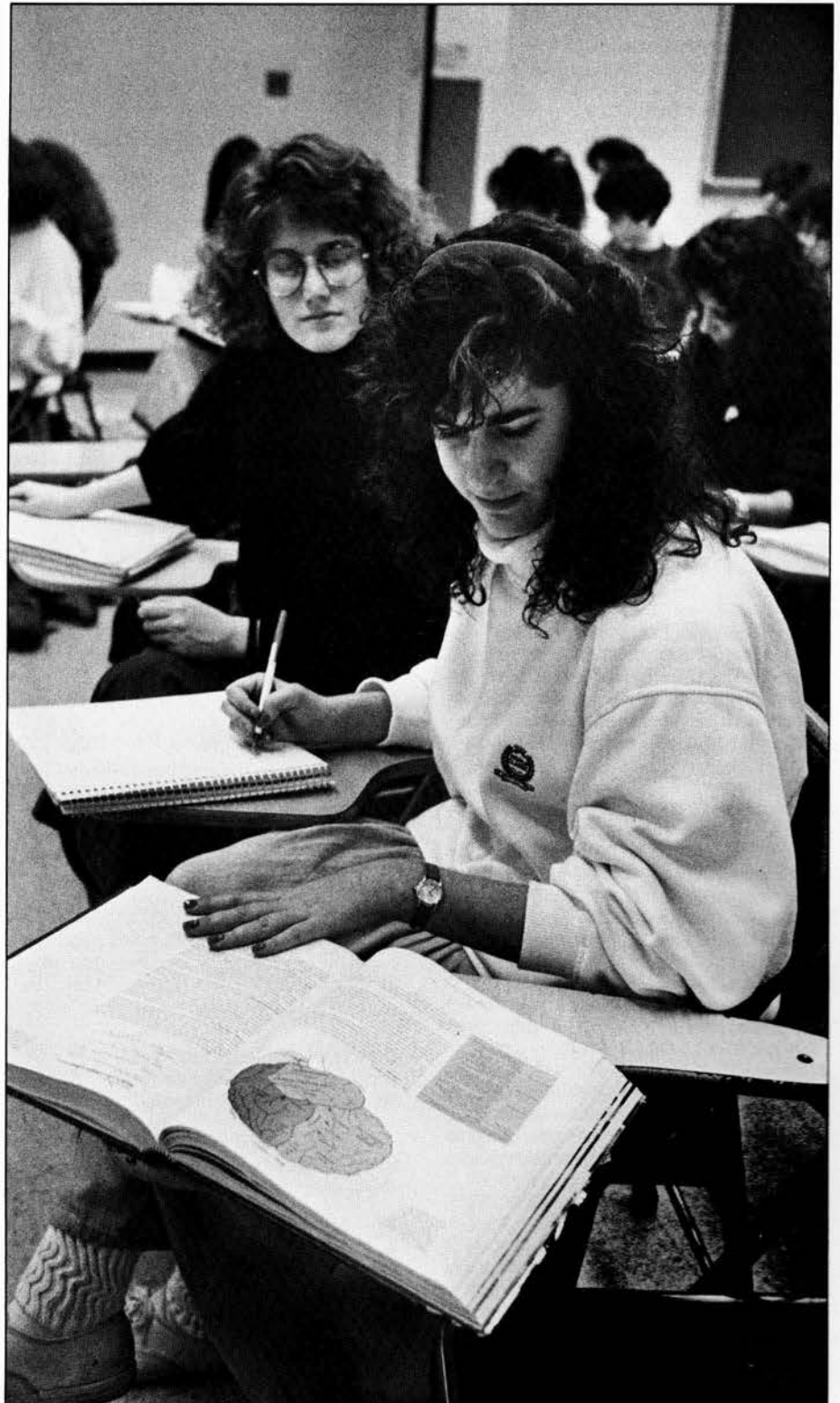
Thus, CHE 1045C is identical in content to CHE 1045R and 1045L taken together, but with one grade given for the entire course instead of separate lecture and laboratory grades.

The numerals in parentheses following the course title indicate, in order the lecture-recitation hours, the laboratory or studio or fieldwork hours, and the semester-hour credit value of the course, for each term, e.g., BIO 2601C (2-4-4).

Courses which extend through two successive semesters are differentiated as follows:

1. Courses in which the first is a prerequisite for the second and both must be taken in order to receive credit for either are hyphenated (e.g., BIO 1011R-1012R).
2. Courses in which the first is a prerequisite for the second, but credit is given for the first course alone, are connected by a comma (e.g., CHE 1213C, 1214C).
3. Courses which may be taken separately or in any order, and for which credit is given for each, are separated by a semicolon (e.g., ART 1051; 1052).

Parentheses around the title of a course indicate that the course is not expected to be offered during the period covered by this Catalog. Not every course listed in the Catalog is offered at every location; certain courses are given only once in two or three years or only at certain locations. Courses offered during any specific semester, and their hours and room numbers, are listed in each school's *Schedule of Courses*,



available at the Office of the Registrar. Courses, though listed, will be offered only if there is sufficient enrollment.

No credit is given for a course which is prerequisite for an advanced one if it is taken after the advanced course has been completed.

Consult the office of the Dean for more specific information on a school's course offerings.

ACCOUNTING (ACC)

In this discipline, the first digit of the course number designates the following levels within the discipline:

- 1 = Freshman or Sophomore
- 2 or 3 = Junior or Senior
- 4 = Special

1001 Accounting Principles I (3-0-3)

Introduction to financial accounting: the accounting cycle, statement preparation, accounting for cash and temporary investments, receivables, inventories, and long-lived assets.

1002 Accounting Principles II (3-0-3)

Accounting for current liabilities, long-term liabilities, stockholders' equity, intercorporate investments, statement analysis, statement of cash flows.

Prerequisite: ACC 1001.

1101 Intermediate Accounting I (3-0-3)

Intensive study of the application of generally accepted accounting principles to selected assets: marketable securities, receivables, inventories, long-lived assets, and intangibles.

Prerequisite: ACC 1002.

1102 Intermediate Accounting II (3-0-3)

Continuation of the study of balance sheet items: long-term liabilities, including leases and pensions and stockholders' equity; income tax allocation and principles of income determination.

Prerequisite: ACC 1101.

2403 Management Accounting (4-0-4)

Techniques used for decision making for management and for financial reporting; product and service costing systems, overhead allocation, standard costs for control and analysis, cost-volume-profit analysis, short-term decision making, and performance evaluation.

Prerequisite: ACC 1002.

3201 Advanced Accounting (3-0-3)

Accounting for business combinations, foreign operations, segment reporting, and partnerships.

Prerequisite: ACC 1102 and 2403.

3601 Principles of Auditing (4-0-4)

Auditing procedures, the nature of evidence in the audit, evaluation of internal control systems, audit sampling, auditing computerized systems, code of professional conduct.

Prerequisite: ACC 3201.

3851 Financial Statement Analysis (3-0-3)

Designed primarily for non-Accounting majors. Methods of communicating information about financing and operating activities of corporations, and techniques for analyzing and evaluating that information.

Prerequisite: ACC 1002.

ARABIC

See **Semitic Languages**

ARAMAIC

See **Semitic Languages**

ART

In this discipline, the first digit of the course number designates the following areas within the discipline:

- 1 = Art History
- 2 = Studio Art
- 4 = Special

1050 Introduction to Art (3-0-3)

1050A (3-0-2)

Covers the same topics as 1051; 1052 in one semester.

1051; 1052 History of Art (3-0-3)

1051A; 1052A (3-0-2)

Introduction to the history of art and architecture of the West; first semester: Ancient Egypt, Mesopotamia, Greece, Rome, the early medieval world, the Romanesque and the Gothic; second semester: from the Renaissance through the 19th century, with emphasis on style and expression in the work of selected artists. Not open to students who have taken ART 1050 or 1050A.

1301 The Renaissance Era (3-0-3)

Painting, sculpture, and architecture of the 15th and 16th centuries in Italy and Northern Europe; focus on the development of art in Florence, Flanders, and Rome.

Prerequisite: ART 1050A or 1052.

1351 The 17th and 18th Centuries (3-0-3)

Painting, sculpture, and architecture in Europe from 1550 to 1800: Mannerism and Baroque and Rococo art.

Prerequisite: ART 1050A or 1052.

1371 Art from the Renaissance Through the Baroque (3-0-3)

History of art during the Renaissance, Mannerist, and Baroque periods; emphasis on da Vinci, Michelangelo, Rembrandt, and Rubens; museum trips.

Prerequisite: ART 1050A or 1052.

1430 The 19th Century (3-0-3)

Covers the same topics as 1431; 1432 in one semester.

Prerequisite: ART 1050A or 1052.

1431 The Early 19th Century (3-0-3)

Neoclassic and Romantic painters.

Prerequisite: ART 1050A or 1052.

1432 The Late 19th Century (3-0-3)

Realism, Impressionism, Post Impressionism.

Prerequisite: ART 1050A or 1052.

1451 The 20th Century (3-0-3)

Major figures and movements of the 20th century: Fauvism, Cubism, Expressionism, Dada, and Surrealism; emphasis on the concept of "modernism" in the visual arts.

Prerequisite: ART 1050A or 1052.

1471 Contemporary Art (3-0-3)

Art from 1940 to the present, with emphasis on American art of the post-World War II period.

Prerequisite: ART 1050A or 1052.

1924 Jewish Art (3-0-3)

1924A (2-0-2)

Selected topics in the history of Jewish art from antiquity to the present, with emphasis on the role of art in Jewish culture.

2001 The Studio Experience (0-3-3)

Introduction to several different art media and approaches, for the beginning art student; drawing, painting, and sculpture projects dealing with various degrees of realism and abstraction.

2101, 2102 Three-Dimensional Forms (0-3-3)

Concepts of modern sculpture explored through specific hands-on projects of carving, modeling, constructing, and assembly.

Prerequisite: ART 1052 or 2201 or 2511.

2201 Principles of Design (0-3-3)

2201A (0-3-2)

Elements and principles of visual expression such as line, space, color, and shape, with emphasis on compositional movement; weekly projects and an assigned paper. For beginning and intermediate students.

2202 Advanced Design (0-3-3)

Advanced exploration of two- and three-dimensional design principles. Course structure is similar to that of 2201.

Prerequisite: ART 2201.

2301 Principles of Drawing (0-3-3)

Introduction to the material, skills, and techniques of drawing; the nature and varieties of graphic techniques; drawing disciplines such as perspective, modeling, and foreshortening; exploration of the imaginative and expressive nature of drawing; projects and an assigned paper. For beginning and intermediate students.

2302 Advanced Drawing (3-0-3)

Advanced exploration of graphic techniques and the drawing discipline. Course structure is similar to that of 2301. This course may be repeated (to a total of 4 times) for credit.

Prerequisite: ART 2301.

2511 through 2518 Painting (0-3-3)

2511A through 2518A (0-2-2)

Painting concepts and techniques taught through studio projects, museum trips, lectures, and texts. Assigned papers or projects.

2511; 2512 Beginning Painting: no prior experience or talent is required, only an interest and desire to try a hands-on approach to art.

2513; 2514 Intermediate Painting: continuation of above.

Prerequisite: ART 2512.

2515; 2516; 2517; 2518 Advanced Painting: continuation of above.

Prerequisite: ART 2514.

2701A, 2702A Sculpture (0-2-2)

Hands-on projects of sculpting.

Prerequisite: ART 1050A or 2201 or 2511.

4901, 4902 Independent Study

For the description of this course, see page 28.

4911, 4912 Honors

For the description of this course, see page 28.

BIBLE (BIB)

In this discipline, the first digit of the course number designates the following areas within the discipline:

- 1 = Bible as a Whole; Pentateuch
- 2 = Prophets
- 3 = Hagiographa
- 4 = Topics and Special

Bible courses are offered on the beginner's, elementary, intermediate, and advanced levels. Students are placed on the proper level by examination.

1015 Introduction to the Bible (3-0-3)**1015A (2-0-2)****1015B (4-0-4)**

Authorship and canonization; masoretic text; translations of the Bible; survey of medieval exegesis; modern Biblical studies; bibliographical and methodological guidance. For students on the advanced level.

1071A; 1072A Biblical Midrashim (2-0-2)

Introduction to the Aggadah; literary study of authorship, style, and contents of the major Tannaitic Midrashim; emphasis on their use in Biblical exegesis.

1077; 1078 Tanhuma on Pentateuch (3-0-3)

The weekly Bible reading studied with Midrash Tanhuma.

1081A Introduction to Exegesis (2-0-2)

Principles of Biblical interpretation; survey of classical exegetes.

1085; 1086 Topics in Biblical Exegesis I; II (3-0-3)**1085A; 1086A (2-0-2)**

Selected biblical texts, primarily from the Pentateuch, examined in light of classical and modern Jewish commentaries. May be repeated for credit with variation of content.

Prerequisite: BIB 1015A.

1087; 1088; 1089 Biblical Exegetes I; II; III (3-0-3)**1087A; 1088A; 1089A**

Survey of the major exegetes, classical and modern, analyzing historical background, style, and methodology. First semester: Northern French school; second semester: Spanish school; third semester: modern commentators.

1096A; 1097A Nahmanides on Pentateuch (2-0-2)

Analysis of the commentary of Moses Nahmanides (Ramban); his method and terminology; similarities to, and differences from, other exegetes.

Prerequisite: BIB 1085A.

1119; 1120 Pentateuch: Weekly Portion (3-0-3)

The weekly portion of the Pentateuch studied with standard commentaries.

1150 through 1199 Topics in the Pentateuch

Each topic is subjected to careful analysis through the prism of classical and contemporary

commentators, and compared to parallel texts in other Biblical books.

1154 through 1160 Selected Topics (3-0-3)**1187 Man and Society (3-0-3)**

Laws governing the society of man (Exodus 20-23, Leviticus 19, 20, 24, 25, Deuteronomy 12-25).

1188 Man and the Divine (3-0-3)

The laws of purity, sacrifice, the Sabbath, and Festivals.

1201, 1202 The Book of Genesis (3-0-3)**1201B, 1202B (6-0-6)**

Basic introduction to the Pentateuch. Translation and exposition of the text in accordance with standard commentaries, with introduction to Rashi. For students on the beginning level.

1203, 1204 The Book of Genesis (4-0-4)**1203A, 1204A (3-0-3)**

Same content as 1201, 1202 with selections from Rashi. For students on the elementary level.

1205, 1206 The Book of Genesis (4-0-4)**1205A, 1206A (3-0-3)**

Same content as 1201, 1202 with selected passages from Rashi and other commentators. For students on the lower intermediate level.

1207, 1208 The Book of Genesis (3-0-3)

Same as 1205, 1206 for students on the upper intermediate level.

1209, 1210 The Book of Genesis (3-0-3)

Intensive study using classical and modern commentaries. For students on the advanced level.

1305; 1306 The Book of Exodus (4-0-4)**1305A; 1306A (3-0-3)**

Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators. For students on the lower intermediate level.

1307; 1308 The Book of Exodus (3-0-3)

Same as 1305; 1306 for students on the upper intermediate level.

1309; 1310 The Book of Exodus (3-0-3)

Intensive study using classical and modern commentaries. For students on the advanced level.

1405; 1406 The Book of Leviticus (4-0-4)

Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators. For students on the lower intermediate level.

1407; 1408 The Book of Leviticus (3-0-3)

Same as 1405; 1406 for students on the upper intermediate level.

1409; 1410 The Book of Leviticus (3-0-3)

Intensive study using classical and modern commentaries. For students on the advanced level.

1505B; 1506B The Book of Numbers (4-0-4)

Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators. For students on the lower intermediate level.

1507; 1508 The Book of Numbers (3-0-3)

Same as 1505B; 1506B for students on the upper intermediate level.

1509; 1510 The Book of Numbers (3-0-3)

Intensive study using classical and modern commentaries. For students on the advanced level.

1607; 1608 The Book of Deuteronomy (3-0-3)**1607B (4-0-4)**

Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators. For students on the upper intermediate level.

1609; 1610 The Book of Deuteronomy (3-0-3)

Intensive study using classical and modern commentaries. For students on the advanced level.

2049 The Haftarat (3-0-3)

Those portions of the Prophets used as synagogue lessons. For students on the advanced level.

2107 Early Prophets (3-0-3)

The Books of Joshua, Judges, Samuel, and Kings in light of the political, geographic, economic, literary, and theological backgrounds of the Ancient Near East; textual study with classical and modern commentaries, using cartographic and archeological material.

2109; 2110 Early Prophets (3-0-3)

Selections from the Early Prophets, with classical commentaries; emphasis on historiographic study and the use of archeological findings; first semester: conquest of Canaan and early Judges; second semester: later Judges and the establishment of the Monarchy. For students on the advanced level.

2117A through 2359 Early Prophets

Specific portions of the text, with classical and modern commentaries.

2118; 2119 Joshua and Judges (3-0-3)

Advanced level.

2157; 2158 Samuel (3-0-3)

Advanced level.

2359 Kings (3-0-3)

Advanced level.

2500 through 2879 The Later Prophets

Texts studied with classical and modern commentaries; literary analysis; emphasis on historical background and religious and social problems considered by the prophets:

2501 Later Prophets—Survey (3-0-3)**2505 Isaiah (3-0-3)****2505A Isaiah (2-0-1)****2555 Jeremiah (3-0-3)****2555A Jeremiah (2-0-1)****2605 Ezekiel (3-0-3)****2605A Ezekiel (2-0-1)****2653 Minor Prophets (3-0-3)****2653A Minor Prophets (2-0-2)****2656A Amos and Hosea (2-0-1)****2658A Seven Minor Prophets (2-0-1)****2805; 2806 Haggai, Zechariah, Malachi (3-0-3)****3000 through 3999 Hagiographa**

Texts of the Ketuvim studied with classical and modern commentaries; literary analysis; historical backgrounds and themes:

3205; 3206 Psalms (3-0-3)

Lower intermediate level.
3207; 3208 Psalms (3-0-3)
 Upper intermediate level.
3209; 3210 Psalms (3-0-3)

Advanced level.

3209A Psalms (2-0-1)

Advanced level.

3257 Proverbs (3-0-3)**3257A Proverbs (2-0-1)****3307 Job (3-0-3)****3307A Job (2-0-1)****3403A; 3404A Five Megillot (2-0-2)****3409; 3410 Five Megillot (3-0-3)****3409A; 3410A Five Megillot (2-0-1)****3659A Ecclesiastes (2-0-2)****3709A Esther (2-0-2)****3807 Daniel (2-0-2)****3807A Daniel (2-0-1)****3807B Daniel (3-0-3)****3857 Ezra-Nehemiah (3-0-3)****3857A Ezra-Nehemiah (2-0-1)****3909 Chronicles (3-0-3)****4002; 4003 Biblical Narrative (3-0-3)**

Narrative forms in prose and historical books; readings in Biblical narratives, especially of the Pentateuch, with accompanying medieval and modern commentaries.

4021; 4022 Biblical Poetry (3-0-3)**4021A (2-0-2)**

Poetic portions of the Bible, with emphasis on the literary qualities of these passages and the commentaries of the major exegetes; first semester: the Pentateuch; second semester: the Prophets.

4121A Biblical Geography (2-0-2)

Systematic study of the geography of Biblical Israel.

4136A Biblical Archeology (2-0-2)**4520 The Targumim (3-0-3)****4520A (2-0-2)**

The Aramaic translations and commentaries on the Bible (Onkelos, Jerusalem, and Jonathan) and their application to Biblical exegesis.

4901, 4902 Independent Study

For the description of this course, see page 28.

4911, 4912 Honors

For the description of this course, see page 28.

4930A Research Methods in the Bible (2-0-2)

The use of bibliographic tools for independent Bible research; areas of specialization include: the Bible—manuscripts and printed texts, translations, lexicography, archeology, history and background of Ancient Near East; exegesis—critical and traditional, Bible in the arts, use of computer in research, other media; field trip and analysis of major library.

Prerequisite: junior or senior status.

4950 Bachelor's Thesis (0-9-3)

Independent work, under faculty guidance, in an area of Biblical study. An acceptable thesis will show diligent research in primary sources, scholarly organization, and clear exposition of material.

Prerequisite: Bible major or minor, and senior status.

BIOLOGY (BIO)

In this discipline, the first digit of the course number designates the following areas within the discipline:

- 1 = General Courses
- 2 = Zoology
- 3 = Process Biology
- 4 = Other Areas

1001C, 1002C Essentials of Biology (3-2-4)

Scientific methods and their applications to understanding the world of life, presented traditionally and nontraditionally through use of audiovisual and computer methodologies. For nonscience majors.

Laboratory fee: \$30 per semester.

1011C, 1012C Principles of Biology (3-3-4)

Same as 1011R-1012R and 1011L-1012L, with the lecture and laboratory work combined into one course.

Laboratory fee: \$35 per semester.

1011R-1012R Principles of Biology—**Lectures (3-0-3)**

The relationship between man and his environment, including such areas as the structure and function of living things; ecology; role of plants in nature; energy cycles; reproduction; heredity and evolution. The human organism, including normal and abnormal structure and function.

Corequisite: BIO 1011L, 1012L

1011L, 1012L Principles of Biology—Laboratory (0-4-2)

Laboratory work to accompany the lectures; emphasizes scientific methods in biological research. Second semester emphasizes animal structure and function.

Laboratory fee: \$35 per semester. *Corequisite:* BIO 1011R-1012R.

1405C Research Methods in Biology (2-4-4)

Current techniques used in biomedical research (depending on the research interests of the faculty, these may include radioisotope, bacteriological, somatic cell, genetic, biochemical, and molecular); the use of scientific literature, the preparation of research grant proposals, and the presentation of experimental results; selected laboratory experiments and library research projects.

Laboratory fee: \$40 per semester. *Prerequisite:* BIO 1012, two additional biology laboratory courses, and permission of the instructor.

1405L; 1406L Research Methods in Biology (0-4-2)

Same as 1405C but without lecture periods.

Laboratory fee: \$40 per semester.

2206C Invertebrate Zoology (2-4-4)

Survey of the invertebrate phyla (excluding protozoa), with emphasis on functional morphology, life cycles, physiology, and current research problems in invertebrates. Laboratory stresses functional morphology, utilizing living and preserved material.

Laboratory fee: \$40 per semester. *Prerequisite:* BIO 1012.

2320C Comparative Anatomy of Vertebrates (2-4-4)

Same as 2320R and 2320L, with lecture and laboratory work combined into one course.

Laboratory fee: \$40 per semester.

2320R Comparative Anatomy of Vertebrates—Lectures (2-0-2)

Structural and functional adaptations that occurred in the evolution of the vertebrate classes from the primitive chordates to man.

Prerequisite: BIO 1012. *Corequisite:* BIO 2320L.

2320L Comparative Anatomy of Vertebrates—Laboratory (0-4-2)

Coordinated laboratory work; dissections emphasize the dogfish and the cat.

Laboratory fee: \$40 per semester. *Corequisite:* BIO 2320.

2601C Developmental Biology (2-4-4)

Principles governing differentiation and growth as studied by experimental analysis. Laboratory consists of a study of various vertebrate embryos as well as selected experiments.

Laboratory fee: \$40 per semester. *Prerequisite:* BIO 1012.

2730C Human Anatomy (2-4-4)

Survey of human anatomy from the perspective of locomotion; focus on skeletal, muscular, nervous, and vascular systems; rhesus monkey dissected in lieu of a cadaver. Designed for students interested in the health sciences.

Laboratory fee: \$50 per semester. *Prerequisite:* BIO 1001, 1002, 1012.

3038R Ecology—Lectures (2-0-2)

Introduction to the interactions of organisms and their environments, the nature and organization of biological communities, and dynamics of ecosystems.

Prerequisite: BIO 1012.

3038L Ecology—Laboratory (0-4-2)

Laboratory work and field trips. Characterization of plant, plankton, and benthic communities, and measurement of productivity rates.

Laboratory fee: \$35 per semester. *Corequisite:* BIO 3038R.

3135C Cell Structure and Function (2-4-4)

Structure, organization, and function of tissues; morphological and histochemical study of protoplasm; cell, tissue, and organ structure; basic laboratory experience in interpretation of cell and organ structures based on light and electron microscopy and histochemistry. Histological techniques are taught.

Laboratory fee: \$40 per semester. *Prerequisite:* BIO 1012 and CHE 1046 (L or C).

3207R Cell Biology—Lectures (2-0-2)

Basic architecture of cells, organelles, and components; dynamics of growth, nutrition, cell cycle, metabolism, and metabolic regulation; specialized cell functions.

Prerequisite: BIO 1012 and CHE 1046.

3207L Cell Biology—Laboratory (0-4-2)

Experiments coordinated with the lectures.

Laboratory fee: \$40 per semester. *Corequisite:* BIO 3207R.

3230C Immunology (2-4-4)

Basic principles, theories, and current problems in immunology, with emphasis on antigens, haptens, antibodies, antibody specificity, antibody-antigen reactions, immediate and delayed hypersensitivity, as well as transplant and autoimmune phenomena.

Laboratory fee: \$45 per semester. *Prerequisite:* CHE 1214, and BIO 3207R&L or 4023R&L.

3230R Immunology (2-0-2)

The lecture portion alone of the above course.

3513C Introductory Genetics (2-4-4)

Laws of heredity and variation; theory of the gene and gene action; experiments with *Drosophila*, *Neurospora*, and bacteriophage.

Laboratory fee: \$30 per semester. *Prerequisite:* BIO 1012.

3521A Molecular Genetics (2-0-2)

Recombinant DNA techniques and applications. Class discussions cover material from the textbook as well as recently published journal articles. Laboratory demonstrations are included as time permits.

Prerequisite: BIO 3513C.

3614R Advanced Genetics—Lectures (2-0-2)

Mechanisms of sexual recombination; nature of the genetic material; the gene as a molecule; activity of the gene, replication, transcription, translation, protein synthesis; regulation of gene activity.

Prerequisite: BIO 3513C or permission of the instructor.

3614L Advanced Genetics—Laboratory (0-4-2)

Techniques of molecular biology, microbial and viral genetics.

Laboratory fee: \$40 per semester. *Prerequisite or corequisite:* BIO 3614R.

3679 Evolution (2-0-2)

Darwinism in historical perspective; the central role of the original theory and its modern version in contemporary biology; the concept's impact on our culture. BIO 1012 is helpful but not essential.

3728C Animal Physiology (2-4-4)

Physiochemical principles involved in life processes. Lecture and laboratory illustrate these principles in the physiological systems of vertebrates.

Laboratory fee: \$40 per semester. *Prerequisite:* BIO 1012.

3801R Endocrinology—Lectures (2-0-2)

Structure and function of endocrine glands, including the nature of hormones and molecular modes of action.

Prerequisite: BIO 1012.

3801L Endocrinology—Laboratory (0-4-2)

Experiments using modern techniques of endocrinological research, including surgery, isotope techniques, and growth studies.

Laboratory fee: \$40 per semester. *Prerequisite or corequisite:* BIO 3801R.

3830 Introduction to Neurobiology (2-0-2)

Nerve cells and their organization into complex nervous systems; major concepts in neurobiology, including impulse conduction, synaptic transmission, sensory processing, motor function, and memory.

Prerequisite: BIO 1012.

4023C Microbiology (2-4-4)

Micro-organisms—morphology, biochemical activities, classification, genetics, and their role in medicine, food and chemical industry, ecology. Laboratory work includes techniques of sterilization; aseptic technique; characterization and identification of micro-organisms; antibiotic susceptibility.

Laboratory fee: \$40 per semester. *Prerequisite:* BIO 1012C.

4023R Microbiology—Lectures (2-0-2)

Structure, development, identification, control, and use of micro-organisms.

Prerequisite: BIO 1011R&L and CHE 1045-1046 R&L. *Recommended:* CHE 1213, 1214.

4023L Microbiology—Laboratory (0-4-2)

Analytical laboratory procedures and experimental methods of research; emphasis on interaction of micro-organisms with the environment and hereditary transmission of genetic material.

Laboratory fee: \$40 per semester. *Corequisite:* BIO 4023R.

4901, 4902 Independent Study

For the description of this course, see page 28. *Laboratory fee on an individual basis.*

4911, 4912 Honors

For the description of this course, see page 28. *Laboratory fee on an individual basis.*

4930; 4931 Current Topics in Biology (2-0-2)

In this seminar, students make presentations on selected subjects from current developments in the fields of microbiology, endocrinology, animal behavior, embryology, and ecology.

Prerequisite: BIO 1012 (R&L, or C) and permission of the instructor.

4934 Biological Aspects of Bioethics (2-0-2)

Physiological, ecological, and epidemiological bases of decision making in the field of bioethics; definition of death; DNA recombinant research; pesticide use; demographic concerns; abortion; hazardous surgery; human experimentation; organ transplants; social obligation of the scientist; eugenics and euthanasia.

Prerequisite: BIO 1012 and two additional BIO courses.

4945, 4946 Biomedical Internship (credits depend on hours devoted)**4947, 4948 Research Internship (credits depend on hours devoted)**

The student conducts a research project at a laboratory in New York under the joint guidance of the head of the laboratory and a Yeshiva University faculty member.⁴⁶

Prerequisite: senior status and faculty approval.

BUSINESS LAW (BLW)**2021 Legal and Ethical Environment of Business (3-0-3)**

Substantive law and practical issues as they relate to business; ethics of business and Halakhah as they interface with the law and practical business decisions.

Prerequisite: ACC 1002 and ECO 1011; 1021.

2111 Business Law I (3-0-3)

Introduction to the legal process; contracts, personal property, bailments, sales, commercial property.

Prerequisite: ACC 1002 and ECO 1011; 1021.

2112 Business Law II (3-0-3)

Agency, partnerships, corporations, trusts, estates, credit, secured transactions, bankruptcy.

Prerequisite: BLW 2111.

CHEMISTRY (CHE)**1045C-1046C General Chemistry (4-3-4)**

Same as 1045-1046 R&L, with the lecture and laboratory work combined into one course. One of the lecture periods is a recitation.

Laboratory fee: \$25 per semester.

1045R-1046R General Chemistry—Lectures (4-0-3)

Structure and properties of elements and compounds; gases, liquids, and solids; kinetic theory of gases; thermodynamics; atomic theory; chemical bonding; solutions; equilibria; chemical reactions; chemical kinetics. One of the lecture periods is a recitation.

Corequisite: CHE 1045L-1046L.

1045L-1046L General Chemistry—Laboratory (0-5-2)

Laboratory experiments designed to help students master the principles covered in CHE 1045R-1046R; emphasis on quantitative techniques, using the analytical balance, volumetric apparatus, pH determinations, and acid-base titrations. Second semester is mainly semimicro qualitative analysis.

Laboratory fee: \$25 per semester. *Corequisite:* CHE 1045R-1046R.

1122C Analytical Chemistry (2-5-4)

Same as 1123C, 1124C but taught in one semester.

Laboratory fee: \$30 per semester. *Prerequisite:* CHE 1046R&L.

1123C, 1124C Analytical Chemistry (1-4-3)

Principles and practice in the analysis of inorganic compounds; experiments in various techniques of volumetric and gravimetric analysis, and potentiometric, conductimetric, chromatographic, and photometric procedures. One of the

⁴⁶ Science students may apply for participation as Scholars of the Ernst and Hedwig Roth Institute of Biomedical Science Education, in a summer honors research program at Sue Golding Graduate Division of Medical Sciences, Albert Einstein College of Medicine. Students accepted for this program receive a stipend and are eligible for 3 credits upon successful completion of the 8-week program. Consult the department for details and application deadlines.

laboratory periods is a conference hour.

Laboratory fee: \$25 per semester. Prerequisite: CHE 1046C.

1131C Instrumental Methods (1-5-3)

Chemical analysis by means of spectrometry (Visible, IR, UV, NMR), chromatography, and electrochemical methods. For students interested in medicine and the biological sciences, as well as chemistry.

Laboratory fee: \$30 per semester. Prerequisite: CHE 1122C, 1214 or permission of the instructor.

1133C Instrumental Analysis (2-3-3)

Theory and application of chemical instrumentation, with emphasis on spectroscopic, chromatographic, and electrochemical methods.

Laboratory fee: \$40 per semester. Prerequisite: CHE 1124C or permission of the instructor.

1213C, 1214C Organic Chemistry (4-4-5)

Same as CHE 1213R&L, 1214R&L, with the lecture and laboratory work combined into one course. One of the lecture periods is a recitation. Laboratory fee: \$40 per semester. Prerequisite: CHE 1046C.

1213R, 1214R Organic Chemistry—Lectures (3-0-3)

The structure, synthesis, properties, and reaction mechanisms of the main classes of organic compounds, including compounds of biological importance.

Prerequisite: CHE 1045-1046R&L. Corequisite: CHE 1213L, 1214L.

1213L, 1214L Organic Chemistry—Laboratory (1-4-2)

Emphasis on acquisition of basic techniques in separation, purification, identification, and preparation of organic compounds.

Laboratory fee: \$40 per semester. Corequisite: CHE 1213R, 1214R.

1233C Synthesis and Identification of Organic Compounds (2-4-4)

Advanced preparative techniques; separation by physical and chemical methods; identification of organic compounds by physical methods including chromatography, infrared and UV-visible spectroscopy, and NMR spectrometry.

Laboratory fee: \$50 per semester. Prerequisite: CHE 1214C.

1376R, 1377R Biochemistry—Lectures (3-0-3)

First semester: chemical structure and function of biological molecules; enzyme kinetics; the storage and transmission of genetic information; second semester: metabolism, its regulation and adaptation to the needs of the organism; membrane transport; hormone action; muscle contraction.

Prerequisite: CHE 1214C.

1377L Biochemistry—Laboratory (0-4-2)

Illustration of the properties of biochemical substances; design and analysis of experiments; techniques include chromatography, electrophoresis, differential centrifugation, and various types of enzyme assays, including spectrophotometric and radioactive.

Laboratory fee: \$50 per semester. Prerequisite or corequisite: CHE 1376R.

1379 Pharmaceutical Chemistry (3-0-3)

Chemistry and pharmacology of drugs and me-

dicinal agents; drug metabolism pathways; receptor site theories; structure-activity correlation. Prerequisite: CHE 1214C (or 1214R&L).

1415R Physical Chemistry I—Lectures (3-0-3)

Thermodynamics, chemical equilibrium, solutions, electrochemistry. Applications to biological and biochemical problems are used to illustrate general principles.

Prerequisite: CHE 1046C and MAT 1413 (or higher). Prerequisite or corequisite: PHY 1041-1042R&L (or 1031-1032).

1416R Physical Chemistry II—Lectures (3-0-3)

Statistical mechanics, kinetic theory, mass transport, chemical kinetics.

Prerequisite: CHE 1415R.

1415L Physical Chemistry—Laboratory (1-5-3)

Measurements and computations. Experiments illustrate theoretical principles and provide basic experience with quantitative physical measurements, including thermochemistry, chemical equilibria, kinetics, electrochemistry, spectrophotometry, and computer interfacing. Applications to biochemical systems are used.

Laboratory fee: \$30 per semester. Corequisite: CHE 1415R.

1607 Inorganic and Structural Chemistry (3-0-3)

Quantum mechanics; chemical structure bonding, ligand field theory and crystal field theory, coordination compounds, descriptive chemistry of the elements.

Prerequisite: CHE 1046 and MAT 1413 (or higher).

1930 Selected Topics (2-0-2)

Seminar in current problems and literature in chemistry, for seniors majoring in chemistry and selected juniors. Assigned topics, regular conferences, and a report.

Prerequisite: permission of the instructor.

1937, 1938 Seminar in Advanced Chemistry (1-0-1)

Seminar meeting two hours every two weeks. Physical inorganic chemistry, organic chemistry, and chemistry of natural products.

Prerequisite or corequisite: CHE 1214.

4901, 4902 Independent Study

For the description of this course, see page 28.

Laboratory fee on an individual basis.

4911, 4912 Honors

For the description of this course, see page 28. See also footnote 55 on page 59.

Laboratory fee on an individual basis.

CLASSICAL LANGUAGES

In this discipline, the first digit of the course number designates the following levels within the discipline:

1 = Elementary and Intermediate Courses

2 = Advanced Courses

4 = Special Courses

CLASSICS IN TRANSLATION (CLA)

1291 Greek Tragedy (3-0-3)

Major works of the Greek tragedians in English translation; their influence on later literature.

1373 Greek Myths and Their Influence (3-0-3)

An introductory survey of major Greek myths; theories of Freud, Levi-Strauss, and others on their origins; related cults; links among the myths; their versions in the Greek tragedies and in Ovid; modern adaptations in various literatures, art, and music.

GREEK (GRE)

1101-1102 Elementary Course (3-0-3)

Emphasis on understanding Greek literature in the original, with grammar employed only as a means to that end. First semester: systematic survey of the language and reading of simple sentences taken from Greek literature; second semester: continuation of the language survey, with reading of Plato's *Apology* and *Crito*.

1231; 1232 Homer and Drama (3-0-3)

First semester: selections from Homer's *Iliad* or *Odyssey*; second semester: one play of Aeschylus and one of Sophocles.

Prerequisite: GRE 1101-1102 or equivalent.

2201; 2202; 2203; 2204 Advanced Course (3-0-3)

Content varies with needs and interests of class; may be taken for two or more successive years. Prerequisite: GRE 1231; 1232 or equivalent.

4901, 4902 Independent Study

For the description of this course, see page 28.

4911, 4912 Honors

For the description of this course, see page 28.

LATIN (LAT)

1101-1102 Elementary Course (3-0-3)

First semester: systematic survey of the language and reading of simple sentences taken from Latin literature; second semester: continuation of the language survey, readings from Nepos, Pliny the Younger, Medieval Latin, Catullus, and Martial.

1231; 1232 Intermediate Course (3-0-3)

First semester: review of Latin grammar; readings from Caesar, Livy, Erasmus, Ovid, and Cicero; second semester: selections from the *Aeneid*, with emphasis on its poetic qualities and on Virgil's status and influence.

Prerequisite: two years of high school Latin or LAT 1101-1102.

2201; 2202; 2203; 2204 Advanced Course (3-0-3)

Content varies with needs and interests of class; may be taken for two or more successive years. Prerequisite: LAT 1231; 1232 or equivalent.

4901; 4902 Independent Study

For the description of this course, see page 28.

4911; 4912 Honors

For the description of this course, see page 28.

COMPUTER SCIENCES (COM)

In this discipline, the first digit of the course

number designates the following areas within the discipline:

- 1 = Computer Concepts and Theory
- 2 = Computer Design and Architecture
- 3 = Computer Programming and Applications
- 4 = Other Areas

The laboratory fee in COM courses is for the use of University computers.

1010C Introduction to Computers and Their Applications (3-2-3)

Computer hardware, software, and firmware; personal productivity software: wordprocessing, graphics, and spreadsheets; data-base management systems and programming languages. May not be used for the Computer Sciences major or minor.

Laboratory fee: \$50 per semester.

1315C Introduction to Computer Science and Programming I (3-2-3)

Components of a computer system; machine, assembly, and high-level languages; numerical systems and coding; representation of data and instructions; data types, constants, variables; arithmetic expressions; logical expressions; assignment statement; sequencing, alteration, and iteration; arrays, subprograms, and parameters; simple I/O; techniques of problem solving; flowcharting; stepwise refinement; simple numerical examples; basic search and sort algorithms.

Laboratory fee: \$50 per semester.

1336C Introducing to Computer Science and Programming II (3-2-3)

Principles of good programming style, expression, and documentation; control flow; invariant relation of a loop; stepwise refinement of statements and data structures or top-down programming; string processing; concatenation, substrings, matching; internal searching and sorting; recursion; linked lists and linear allocation (stacks, queues, deques).

Laboratory fee: \$50 per semester. *Prerequisite:* COM 1315C.

1502, 1503 Discrete Structures (3-0-3)

Sets and relations; logic and gates; elementary number theory, combinatorics, and probability; graph theory; linear algebra, applications.

1621 Theory of Computation (3-0-3)

Deterministic and nondeterministic finite state automata; regular grammars and regular expressions; languages generated by regular expressions; equivalence of regular expressions and finite automata; solvable problems concerning finite automata; context-free grammars; languages generated by context-free grammars; derivation trees; simplification of context-free grammars; push-down automata; properties of context-free languages; solvable and unsolvable problems concerning context-free languages; Turing machine model; Universal Turing machine; Halting problem; further examples of solvable and unsolvable problems about Turing machines, grammars, and sets.

Prerequisite: COM 1503.

1622 Formal Languages (3-0-3)

Formal grammars; Chomsky hierarchy; deterministic and nondeterministic models of finite automata, push-down automata, linear bounded automata, and Turing machines; relationship be-

tween formal languages and automata; decision problems; closure properties; solvable and unsolvable problems; applications to parsing.

Prerequisite: COM 1502, 1821, and 3640.

1821 Computability (3-0-3)

Functions computable by problems; simulation and diagonalization; Godel numbering and unsolvability results; Halting problem; Post's correspondence problem; recursion theorem; Ackerman's function; abstract complexity and the speed-up theorem; Turing and Norman systems.

Prerequisite: COM 1502 and 3640.

2101C Introduction to Computer Organization (2-3-3)

Representation of both data and control information by digital signals; logical devices for processing (gates) and storing (flipflops) information; description by truth tables, Boolean functions, and timing diagrams; analysis and synthesis of combinatorial networks of gates; parallel and serial registers; simple synchronous control mechanisms; data and address buses; addressing and accessing methods; memory segmentation; methods of timing pulse generation; common coding schemes; encoders, decoders, converters; memory, control, processing and I/O units. Coordinated laboratory work in digital logic.

Laboratory fee: \$35 per semester. *Prerequisite:* COM 1336C.

2108 Operating Systems (3-0-3)

Review of I/O and interrupt structures, addressing schemas, and memory management; concurrent processes; name management; resource allocation; protection; advanced architecture and operating systems implementations.

Laboratory fee: \$50 per semester. *Prerequisite:* COM 3610C. *Prerequisite or corequisite:* STA 1021 or 1320.

2117 Hardware Theory (3-0-3)

Arithmetic unit design, number systems, and codes; logic circuits; control unit; realization of parallel process in hardware; multiprocessing; distributed computing and fault-tolerant design; vector machines; gate networks; minimization of combinatorial switching circuits; symmetric networks, threshold networks, sequential networks; memory; interrupts and locks; microcomputer design.

Prerequisite: COM 1502 and 3610C.

2146C Minicomputer and Microcomputer Systems (1-3-3)

Real-time programming on a dedicated computer, microprocessors, data communication protocol, packet switching.

Laboratory fee: \$50 per semester. *Prerequisite:* COM 2101 and 2111L or permission of the instructor.

3110C; 3120C Programming in Procedure-Oriented Languages (2-2-3)

Higher-level programming languages; first semester: Fortran IV; second semester: Cobol; applications to statistics, nonnumerical data processing, or other topics of interest to the class. *May not be taken after COM 1315C. Not for Computer Sciences majors. Laboratory fee:* \$50 per semester.

3402 Introduction to Computer Systems (3-0-3)

Machine instruction types and formats; fetch-execute cycle; I/O operations; mnemonic opera-

tions; symbolic addresses; assembler concepts and instruction format; data-work definition; literals; location counter; error flags and messages; implementation of high-level language constructs and addressing techniques.

Laboratory fee: \$50 per semester. *Prerequisite or corequisite:* COM 1336C.

3511 Algorithmic Processes (3-0-3)

Design of algorithms and applications of data structure permutations, polynomials, derivations, matrices, sorting, discrete simulation; list-marking, garbage collection, analysis of algorithms; space and time efficiency; comparison of sorting techniques; discrete Fourier Transform; pattern matching; computational models, Turing machines, complex hierarchies.

Laboratory fee: \$50 per semester. *Prerequisite:* COM 1315C; 1336C; 2101; 3402 or permission of the instructor.

3543, 3544 Data Structures and Algorithms I, II (3-0-3)

Elementary data structures; algorithms for their manipulation; file structures and algorithms; searching and sorting; more complex data structures and algorithms for their manipulation; notions of algorithm complexity; memory and data management systems. (COM 3544 may not be taken by those who have taken 3534.)

Laboratory fee: \$50 per semester. *Prerequisite:* COM 1336C.

3563 Data-Base Systems (3-0-3)

Goals of DBMS, including data independence, relationships, logical and physical organization, schema and subschema; hierarchical, network, and relational modes; examples of implementation of various models; first, second, and third normal forms of data relations; canonical schema; data independence; data description languages: forms, applications, examples, design strategies; query facilities: relational algebra, calculus, data structures for establishing relations; query functions; file organization; index organization; file security; data integrity and reliability.

Laboratory fee: \$50 per semester. *Prerequisite:* COM 3544; 3610C.

3610 Introduction to Operating Systems and Computer Architecture (3-0-3)

Review of instruction sets. I/O and interrupts, addressing schemes, microprogramming; dynamic procedure activation; dynamic storage allocation; design methodology, monitors, kernels, networks of operating system modules; elementary queuing; memory management: virtual memory, paging, segmentation; memory protection; multiprocessing.

Laboratory fee: \$50 per semester. *Prerequisite:* COM 2101; 3402. *Recommended:* COM 3543.

3640 Programming Languages (3-0-3)

Formal language concepts, including basic characteristics of syntax and grammars; regular, context-free, and ambiguous grammars; constructs for specifying and manipulating data types; language features affecting static and dynamic storage management; control structures and data flow; subroutines, procedures, block structures, interrupts, decision tables, recursion; relationship with good programming style; run-time considerations; interpretative languages, lexical analysis and parsing. *Laboratory fee:* \$50 per semester. *Prerequisite:* COM 1336C (3402 and 3543 are highly recommended).

3645 Compiler Theory (3-0-3)

Grammars, languages, and their syntax and semantics; parsing and ambiguity; scanners; implementation of symbol tables; parsers; major parsing algorithms; techniques for machine-independent code generation; code optimization; syntax-directed translation schema.

Laboratory fee: \$50 per semester. *Prerequisite:* COM 3640.

3760 Artificial Intelligence (3-0-3)

Heuristic vs. algorithmic methods; cognitive processes; investigation of methods of making machines behave intelligently; problem solving; theorem proving; game playing; pattern recognition; question answering; learning self-organization; methods of programming such procedures; data structures and program organization; mindbrain problem and the nature of intelligence.

Laboratory fee: \$50 per semester. *Prerequisite:* COM 3544.

3764 Expert Systems (3-0-3)

Introduction to expert systems; components of an ideal expert system: knowledge base, rules, interpreter; secondary components: justifier, scheduler, consistency enforcer, blackboard; search space size, exhaustive search, single line of reasoning, hierarchical, generate and test, combining evidence from multiple sources; utilizing metaknowledge; metarules and their source; detecting simple errors in rules; justification of rules; expert system tools: EMYCIN, OPS5, HEARSAY—III.

Prerequisite: COM 3544.

3772 Computer Graphics (3-0-3)

Software, hardware, and mathematical tools for the representation, manipulation, and display of topological and two- and three-dimensional objects; display devices; problems and objectives of computer graphics; point, vector, curve, and character generation; interactive vs. passive graphics; graphics data structures, graphics packages and graphics languages; two-dimensional graphics: generation, transformation, window clipping, segmented display files and display procedures; interactive graphics: input devices, input techniques, event handling, and input functions; raster graphics fundamentals; three-dimensional graphics: hidden-line problems, windowing, transformations, perspective projections, and shading.

Laboratory fee: \$50 per semester. *Prerequisite:* COM 1336C, 1502, and 3544.

3901L; 3902L; 3903L; 3904L Self-Study of Programming Languages (0-2-1)

Cobol, Fortran, PL/I, Pascal, C, Algol, Basic, APL, Lisp, Snobol.

Laboratory fee: \$50 per semester. *Prerequisite:* COM 1315C or permission of the senior professor.

3905; 3906; 3907; 3908; 3909 Individual and Group Projects (1-3 credits per semester)

A number of term projects agreed upon by the faculty and students can be chosen.

Laboratory fee: \$50 per semester. *Prerequisite:* 21 credits in COM courses or senior status.

4541 Numerical Analysis (3-0-3)

Arithmetic and precision; finite difference calculus; interpolation; approximation; numerical integration and differentiation; solution of nonlinear equations, differential equations; linear systems of equations; iterative methods; computation of

eigenvalues and eigenvectors.

Laboratory fee: \$50 per semester. *Prerequisite:* COM 1336C; MAT 1413.

4901, 4902 Independent Study

For the description of this course, see page 28.

Laboratory fee: \$50 per semester.

4911, 4912 Honors

For the description of this course, see page 28.

Laboratory fee: \$50 per semester.

DRAFTING (DRA)**1101-1102 Engineering Drawing (0-3-1½)**

Use and maintenance of drawing materials and instruments; the reading of drawings; lettering, dimensioning, missing lines and views, orthographic projection including auxiliary projections, sections, pictorial representation, detail, assembly, and construction drawings.

DRAMA

See Speech and Drama

ECONOMICS (ECO)

In this discipline, the first digit of the course number designates the following areas within the discipline:

- 1 = General
- 2 = Problems and Policy
- 3 = Systems and Development
- 4 = Other

1011; 1021 Economic Principles and Policies (3-0-3)

First semester: mainly macroeconomics—introduction to the role of the price system in various economic systems; rudiments of supply and demand, theory and applications; role of government in the modern capitalist economy; national income, accounting and theory; monetary and fiscal policy; public debt; second semester: mainly microeconomics—elementary theory of demand and the firm; market structure, input theory, distribution of income, theory and policy; theory of international trade.

1101 Microeconomics (3-0-3)

Intermediate-level course covering theory of demand; costs and supply of the business firm; market structure and economic theory; distribution theory; capital budgeting; linear and nonlinear programming; game theory; optimization theory with use of calculus.

Prerequisite: ECO 1021.

1170 Contemporary Microeconomics Issues (3-0-3)

Use of economic tools to explore issues of public policy and private decision making. Topics vary by term but may include: uncertainty and information in economics, crime, government regulation of business, education, charity, immigration, contracts, discrimination, medical care, transportation, congestion, geographic location, income distribution.

Prerequisite: Economics 1011; 1021.

1201 Macroeconomics (3-0-3)

National income accounting; national income de-

termination models; consumption functions; investment theory; stabilization policy, economic growth and development theories.

Prerequisite: ECO 1011.

1221 Money and Banking (3-0-3)

Nature of money; organization and functioning of the commercial banking system; Federal Reserve System and financial intermediaries; national income-determination models; monetarist-fiscalist debate; Lm-IS-BP courts; role of money in international finance.

Prerequisite: ECO 1011.

1301 History of Economic Thought (3-0-3)

Ancient and medieval economic thought; mercantilists and physiocrats; classical and neoclassical schools; institutional school; Keynesian economics.

Prerequisite: ECO 1021.

1421 Econometrics (3-0-3)

The application of regression techniques to the problem of testing and forecasting in economics; the two-variable regression model is fully developed; analysis is extended to consider the multivariate model, functional form issues, dummy variables, and distribution lag models; problems associated with autocorrelation; system models.

Prerequisite: STA 1021.

1501 Public Finance (3-0-3)

Social balance, personal and corporate income taxes; sales and property taxes; current economic thought on taxation and public debt, energy, transportation, housing, education, pollution control, poverty, and quotas.

Prerequisite: ECO 1011.

1701 International Economics (3-0-3)

Theory and current problems of international economic development and foreign aid.

Prerequisite: ECO 1011.

2005 Economics of the Law (3-0-3)

The relationship of legal institutions and laws to economic efficiency and social goals, such as justice; economics of property rights, environmental control, administrative processes, contracts, and liability; public utility and antitrust regulation; individual rights and discrimination.

Prerequisite: ECO 1011.

2201 Labor Economics (3-0-3)

Labor's place in the American economy; factors affecting supply and demand for labor; wage determination; unionism as a response to labor problems; industrial relations; public policy toward labor.

(2330 Economics of Energy)**3006 Comparative Economic Systems (3-0-3)**

Comparison of the economic efficiency and Jewish law approaches to business ethics; advertising and promotional activities; business pricing policies; labor relations; government regulation of the economy; social welfare; speculation.

3501 Economics of the Middle East (3-0-3)

Economic growth of Israel until the Yom Kippur War; stagnancy and inflation since 1974; new economic policies since 1985; Middle East oil, OPEC, and the economies of Saudi Arabia, Egypt, Jordan, and Syria.

(3511 The Economy of Israel)**4901, 4902 Independent Study**

For the description of this course, see page 28.

4911, 4912 Honors

For the description of this course, see page 28.

EDUCATION (EDU)

In this discipline, the first digit of the course number designates the following areas within the discipline:

- 1 = General and Foundations
- 2 = Early Childhood and Elementary
- 3 = Intermediate, Secondary, and Higher
- 4 = All Others

All courses are offered at Stern College.

Courses in Jewish Education are listed under JED on page 69.

1210 Educational Psychology (3-0-3)

Overview of the discipline of educational psychology and its contribution to improving instructional effectiveness. Offered at Stern College; same as PSY 3400 at Yeshiva College.

Prerequisite: PSY 1011 or 1012.

(1931 Human Relations Training for Educational Personnel)**(1933 Literature for Children and Adolescents)****2130A Foundations of Early Childhood Education (2-0-2)**

Overview of early childhood education; classroom management, play as a mode of learning, ways of studying children, discipline, transmitting values, parent-teacher conferences; slide and film presentations, discussions, role-playing and group work involve students in applying theory to practice.

2130L Fieldwork with Young Children (1 credit)

Fieldwork to accompany the lectures. Active participation in a nursery, kindergarten, or first grade classroom two and one-half hours each week. *Corequisite:* EDU 2130A.

2131A Early Childhood Curriculum I (2-0-2)

Content, methods, and materials for teaching language arts and social studies to young children; language acquisition (including Hebrew as a second language), initial teaching of reading and writing, resources for the social studies curriculum.

Prerequisite: EDU 2130A.

2132A Early Childhood Curriculum II (2-0-2)

Basic mathematics and science concepts for young children; hands-on workshops and discussions actively involve students in examining and evaluating learning materials and teaching techniques; mathematics and science concepts integrated with the day school curriculum.

Prerequisite: EDU 2130A.

2131L; 2132L Early Childhood Curriculum Fieldwork I; II (1 credit)

Fieldwork to accompany EDU 2131A; 2132A. Active participation in a nursery, kindergarten, or

first grade classroom two and one-half hours each week.

2301 Teaching Developmental Reading K-3 (3-0-3)

Developmental reading instruction for grades K-3; aspects of learning and reading readiness as they relate to alternative approaches to developmental reading instruction; instructional materials and strategies for teaching word analysis; vocabulary development and comprehension skills; informal and formal techniques for evaluating pupil progress.

2301L Field Experience: Reading (1 credit)

Field experience to accompany EDU 2301. Intensive work with individual or small groups of children in a public school setting; supervision by classroom teacher and course instructor.

Corequisite: EDU 2301.

2302 Teaching Developmental Reading 4-6 (3-0-3)

Skills and knowledge in reading needed by the subject-area teacher; use of subject-related materials and exposure to a variety of modes of teaching.

Prerequisite or corequisite: EDU 2301 and 2301L.

2303 Teaching Social Studies (2-0-2)

Basic concepts in contemporary social studies curricula, and appropriate instructional techniques and materials.

2304 Mathematics Methods and Curriculum for Elementary Teachers (3-0-3)

Strategies for instruction and classroom activities; exploration of current issues in mathematics education; topics in mathematics pertinent to instruction at levels K-6; emphasis on problem posing and problem solving, with content; area applications.

Prerequisite: MAT 3810. *Corequisite:* EDU 2304L.

2304L Field Experience (1 credit)

Field experience: intensive work, primarily remedial, with a few children, in a public-school setting; supervision by classroom teacher and course instructor.

Corequisite: EDU 2304.

2307 Teaching Science (2-0-2)

Basic concepts in contemporary science curricula, and appropriate instructional techniques and materials.

2401 Childhood Disorders (3-0-3)

Abnormal behavior in children; mental subnormality, reactive and neurotic disorders, psychosis, neurologic disturbances, and disorders related to organic dysfunction; implications for psychoeducational management.

Prerequisite: PSY 1011 or 1012.

2890 Teaching Art and Music (3-0-3)**2930 Senior Seminar in Education (3-0-3)**

Analysis and application of instruction strategies resulting from in-depth investigation of education problems.

Corequisite: EDU 2940 or 2945.

2940 Student Teaching in Elementary School (300 clock hours; 6 credits)

Prerequisite: EDU 2301, 2301L, 2302, 2305,

2306, 2306L, and permission of the department.

Corequisite: EDU 2930.

2945 Early Childhood Student Teaching (300 clock hours; 6 credits)

Teaching in grades N-2.

Prerequisite: EDU 2130A, 2131A, 2132A. *Prerequisite or corequisite:* EDU 2890.

Corequisite: EDU 2930.

(3010 Principles and Problems in Secondary Education)**4003 Education of Exceptional Children (3-0-3)**

Introduction to the education of children with special developmental and learning needs; concepts of cognitive modifiability; survey of prevailing and preferred educational practices for children significantly handicapped by physical, sensory, neurological, intellectual, and affective problems.

4004 Evaluation for the Exceptional Child (3-0-3)

Emphasis on the educator's role as observer and evaluator of status and change in school behavior and achievement; concepts of process and product; normative and criterion measures of perceptual, motor, cognitive, and social-affective performance; application to the Individual Education Program required by Public Law 94-142.

(4061 Special Education Methods: Behavioral Management Techniques)**(4701 Audiovisual Education I)****(4702 Audiovisual Education II)****4901, 4902 Independent Study**

For the description of this course, see page 28.

4911, 4912 Honors

For the description of this course, see page 28.

ENGLISH (ENG)

In this discipline the first digit of the course number designates the following areas within the discipline:

- 0 = Developmental Courses
- 1 = Composition and Writing
- 2 = Literature by Author and Period
- 3 = Literature by Theme and Genre
- 4 = Special Courses

ENG 1100 or 1101-1102 is a prerequisite for all higher-numbered ENG courses. At Yeshiva College, ENG 2003 and 2004, which must be taken in sequence, are prerequisites for all higher-numbered ENG courses. Any exception must be approved by the appropriate instructor.

0001 Developmental English (2-0-0)

Introduction to descriptive, narrative, and expository writing, with emphasis on correct usage and the fundamentals of English grammar. Required for first-semester students who do not qualify for ENG 1101. *For such students, satisfactory completion of this course is a prerequisite for graduation.* Students are graded P (Pass) or R (Repeat).

0011-0013 English as a Second Language (ESL) (3-0-1)

Written and spoken English, including examination of the nature of the language. First-semester students who are not native speakers must take a placement examination to enter ENG 1100, 1101, or 0001; otherwise, they will automatically be placed into one of the three levels of ESL. Each ESL student advances through these levels until he or she is ready to begin ENG 1100, 1101, or 0001. Students are graded P (Pass), F (Fail), or R (Repeat). This course may be repeated for credit; repetition generally signifies satisfactory progress through the three levels.

0011B English as a Second Language (ESL)—Intensive (10-0-3)**0021 Composition Workshop (1½-0-0)**

Corequisite with ENG 1100 for students who need to strengthen their skills in expository writing.

1100 Composition and Rhetoric (3-conferences-3)

Introduction to literary analysis and the writing of expository prose, covering the theory and practice of paragraphing and sentence structure as tools for communicating ideas; short themes and a research paper.

1101-1102 Composition and Rhetoric (2-conferences-2)

Training in correct, effective writing; directed toward the development of the student's powers of observation, reflection, and persuasion; frequent essays.

Writing Workshops

Each workshop progresses from formal, technical exercises to original compositions. Criticism of work in progress and completed, group analysis, written recommendations, personal conferences; for students desiring to improve basic writing skills and to develop their creative talents.

1311 Technical Writing and Editing (3-0-3)**1324 Business Writing (3-0-3)****1326 Writing Copy for Marketing and Direct Advertising (3-0-3)****1407 Expository Writing (3-0-3)****1601 Print Journalism (3-0-3)****1641 Broadcast Journalism (3-0-3)****1721; 1722; 1723; 1724 Creative Writing (3-conferences-3)****1822 Writing Fiction (3-0-3)****1832 Writing Poetry (3-0-3)****1931 Freshman Honors Seminar (4-0-4)**

Masterpieces of English literature: poetry, fiction, and drama; critical and analytic essays, with emphasis on revision. This course is open only to Max Stern Scholars, who substitute it for ENG 1100 or 1101-1102. Satisfactory completion excuses a YC student from ENG 2003 and an SCW student from 3 credits of the Humanities requirement.

2003, 2004 Survey of English Literature (3-0-3)

History of English literature from its beginnings through the 19th century, focusing on masterpieces illustrating the various literary periods; first semester: from Anglo-Saxon times to Milton; second semester: from Milton to the 20th century. Must be taken in sequence.

2315 Chaucer (3-0-3)

Major works, with emphasis on *The Canterbury Tales* (Formerly 2115).

2316 Medieval Literature in Modern English (3-0-3)

Medieval English and continental masterpieces in modern English translation. Works in various genres (romance, lyric, allegory, saga, epic) illuminate the intellectual, social, and literary conventions such as courtly love, chivalry, the heroic ideal, and the quest for salvation. Special topics are chosen each semester.

2323 Elizabethan and Jacobean Poetry and Prose (3-0-3)

More, Spenser, Sidney, Shakespeare, Jonson, and Donne.

2330 Shakespeare (3-0-3)

Major comedies, tragedies, and romances, in the context of Elizabethan theatrical and dramatic conventions.

2331; 2332 Shakespeare I; II (3-0-3)

First semester: histories and comedies; second semester: tragedies. Emphasis on Shakespeare's development, background of English drama, and Shakespeare in our time (Formerly 2131; 2132).

2346 Milton and 17th Century Literature (3-0-3)**2356 English Literature in the 18th Century (3-0-3)**

Pope, Swift, Johnson, Blake.

2360 The Enlightenment (3-0-3)

Continental and English masterpieces by writers and thinkers of the 18th century.

2400 The Romantic Vision (3-0-3)

Writings of Blake, Wordsworth, Coleridge, Byron, Keats, the Shelleys, the Brontes.

2401; 2402 Romantic Poets (3-0-3)

First semester: Wordsworth and Keats; second semester: Coleridge, Byron, and Shelley.

2410 Eminent Victorians (3-0-3)

Major writers—Carlyle, Macaulay, Dickens, Mill, Newman, Browning, Arnold, Tennyson, Huxley, Ruskin, and Pater—in relation to the social and intellectual milieu.

2411A Tennyson (2-0-2)**2412A Browning (2-0-2)****2610 Survey of American Literature (3-0-3)**

Major trends in American literature, with emphasis on great 19th century authors such as Poe, Hawthorne, Melville, Whitman, and Dickinson.

2611; 2612 American Literature I; II (3-0-3)

Development of American literature; first semester: through 1870; second semester: since 1870. Not open to students who have taken ENG 2610.

2861; 2862 Major Authors (3-0-3)

Works by a maximum of four major authors, usually English, American, or both. May be repeated, since the subject matter varies from term to term.

2910 American Autobiography (3-0-3)

Diverse forms of personal narratives in the United States from the 16th century to the present; emphasis on the changing needs that writing autobiography has served over this period, and the variety of forms that different kinds of writers' life stories have taken.

2911 Literature and Culture of the American City (3-0-3)

How writers have responded to intensifying urbanization in the United States, largely since the end of the 19th century, and the role of literature in defining a distinctly "urban" culture or consciousness during this period.

Prerequisite: ENG 1100 or 1101-1102.

2961; 2962 Contemporary Literature (3-0-3)

Fiction, poetry, drama, or nonfiction prose by contemporary authors, usually English, American, or both. May be repeated, since the subject matter varies from term to term.

3130 History of Film (3-0-3)

Early full-length narratives to contemporary classics; a critical approach to film through a study of key works by major directors; twelve films are shown, including those of Griffith, Chaplin, Eisenstein, Bergman, and Truffaut.

3171 Mystery and the Roots of Modernism (3-0-3)

Contemporary trends in literature as they developed from the psychological thriller and psychological realism in the works of Poe, Kafka, Faulkner, and Dorothy Sayers.

Prerequisite: ENG 1100.

3189 Comedy and Satire (3-0-3)

Theories of and studies in comedy and satire, from their classical roots through the present.

3208 The Art of Fiction (3-0-3)

How great writers of fiction shape their audiences' responses through traditional and experimental strategies.

3218 Narrative Forms (3-0-3)

Changing techniques of narrative considered in relation to various literary forms as well as the writer's view of his task, using diverse texts from different ages.

3237 Great Short Fiction (3-0-3)

Survey of outstanding short novels or long short stories by European and American writers.

3315; 3316 The Development of the English Novel (3-0-3)

The development of the novel genre, through selected English novels; first semester: Defoe, Richardson, sentimental and gothic novels, Austen, the Brontes, Dickens; second semester: Eliot, Hardy, Conrad, Joyce, Woolf.

3341 Romance, Realism, and Naturalism in the American Novel (3-0-3)

Authors may include Twain, Howells, James, Wharton, and Dreiser. At YC this course also encompasses the earlier American tradition of romance as exemplified by the works of Hawthorne and Melville.

3342 Modern American Fiction (3-0-3)

Dominant themes and major experiments by authors such as Hemingway, Fitzgerald, and Faulkner.

3376 Classic Modern Novels (3-0-3)

Intensive study of five landmark novels, some in translation, by authors who have explored new territory in modern fiction.

3408 The Art of Drama (3-0-3)

Theatrical conventions and techniques to clarify how dramatists convey meaning and hold an audience; intensive examination of selected American, English, and Continental plays.

3411 Tragedy (3-0-3)

The transformation of the genre through the ages.

3424 Renaissance Drama and Its Roots (3-0-3)

Renaissance plays by authors other than Shakespeare, with classical and medieval antecedents.

3426 Great Drama from Dryden through Ibsen (3-0-3)

Restoration drama through early modern experiments with realism and symbolism.

3461 Modern Drama from Ibsen to the Present (3-0-3)

European, British, and American dramatists.

3717 The Art of Poetry (3-0-3)

Poetic techniques and meanings through intensive examination of selected works.

3731 Reading and Writing Poetry (3-0-3)

Students read modern poetry and current critical essays on it. They write poems and critiques of their own and of others' poetry with an eye to understanding the interdependence of criticism and poetry as seen by modern poets.
Prerequisite: ENG 1100.

3742 Modern Poetry (3-0-3)

19th century roots through modern masterpieces (Eliot, Pound, Frost, Yeats) to contemporary outgrowths.

4051, 4052 Introduction to Linguistics (3-0-3)**4061, 4062 History of the English Language (3-0-3)****4081 Classic Literary Criticism and Theory (3-0-3)**

Plato through the 19th century; exploration of fundamental questions: What is literary art? What value does it have? How does it work? How is it understood and judged? Analysis of works selected for relevance to these questions.

4086 Modern Criticism and Theory (3-0-3)

How particular theories can help readers understand particular works, the nature of literature, and the process of interpretation.

4201; 4202 Masterpieces of Western Literature (3-0-3)

Survey of monuments of literary, historical, and philosophical imagination in the West; emphasis on close reading of texts and on classroom discussion, rather than lectures; first semester: classical antiquity; second semester: postclassical antiquity to modern times.

4270 Myth and Folklore (3-0-3)

Greek and other mythologies, theories of myths, patterns of folklore, and representative works of world literature in which they figure.

4401; 4402 Interdisciplinary Approaches to Literature (3-0-3)

Literature and another discipline such as philosophy, politics, social history, science, or the arts. May be repeated, since the subject matter varies from term to term.

4411 Literature and Social Change (3-0-3)

Literary explorations with an historical or sociological slant. May focus on one of the following topics: Literature and War, Literature and Revolution, Literature of the Underclass, The Immigrant Experience in America.

4421 Literature and Psychology (3-0-3)

Relations between systems of psychology reflecting their cultural contexts, and literary works which propound or utilize them; progression from Greek systems through the dominant modern systems of Freud, Jung, and R.D. Laing.

4471 Literature and Art (3-0-3)

Analysis of selected parallels between literary and artistic styles from classical Greece to contemporary cultural movements. The historical period under discussion varies at instructor's discretion.

4551; 4552 Topics in Literature (3-0-3)

These courses may be repeated, since the subject matter varies from term to term.

4556 The Hero (3-0-3)

Hunter, warrior, scholar, poet—the character of the hero reflects his era and culture; changing traits of heroes in Western literature, including works from Homer to the romantic novel.

4561 The Literature of Love (3-0-3)

The theme of romantic love and its mutations in English and European literature; a survey including the literature of the Middle Ages, Renaissance, 19th century, and 20th century.

4566 Women and Literature (3-0-3)

Writings by and about women from 1800 to the present; novels, stories, poems, and nonfictional prose used to discuss changing attitudes toward women's roles in education, marriage, society, etc.; works by Jane Austen, George Eliot, Virginia Woolf, Doris Lessing, and contemporary writers.

4571 Parents and Children (3-0-3)

The portrayal in literature of the splendors and miseries of having children; of generational conflict; of people's changing attitudes, first as young children, then as parents of children and as middle-aged children of aging parents.

ENGLISH/COMMUNICATIONS (SCW only)

All of the Writing Workshops listed above (1300 through 1899) count toward the SCW English/Communications major, as do SPE 4700 and 4710. The same is true of courses numbered 4600-4799:

4601 Introduction to Mass Communications (3-0-3)

Acquaints the student with the historical development of various media and the impact of mass communications on society; legal and ethical issues involving the media; survey of print and electronic media in regard to style and technique; contemporary trends in the mass media. Not open to students who have taken SPE 4700. (Formerly ENG 1603)
Prerequisite: ENG 1100.

4626 Advertising Agency Skills: Copywriting (3-0-3)

Writing copy for various kinds of promotional materials.

4653 Public Relations (3-0-3)

Fundamentals and techniques of public relations in both business and nonprofit organizations; practical project evaluation and experience.

4660 Publishing: Book Editing (3-0-3)

A practical approach to the editor's role in the publishing process. Students gain experience in evaluating and editing manuscripts.

4670 The Professional Critic: Reviewing (3-0-3)

Writing reviews of films, plays, restaurants, etc., for the broadcast and print media.

4741 through 4749 Internships (1 to 3 credits, depending on hours devoted)

Apprenticeships in the media and communications, under supervision, in recognized professional offices: graphic arts; editing; audiovisual media technology; photography; public relations; advertising; newspapers; magazines; radio programming and continuity; network and cable television; book publishing. A maximum of 4 internships credits may be applied to the major. Consult Form P2.5 for additional information.
Prerequisite: 6 credits in English literature.

The following are offered at both YC and SCW:**4901, 4902 Independent Study (3-0-3)**

For the description of this course, see page 28.

4911, 4912 Honors

For the description of this course, see page 28.

The following are offered at SCW only:**4960 Senior Thesis (3-0-3)**

Analytic, interpretative, and critical skills are honed. Oral reports and seminar paper.
Prerequisite: senior status and a major in English, or permission of the instructor.

4970 Senior Thesis (0-3-1)

A paper combining research and original scholarship. The paper normally stems from work done in ENG 4960.
Prerequisite: ENG 4960.

FINANCE (FIN)**1408 Corporate Finance (3-0-3)**

Introduction to the principles and techniques of corporate financial management; financial analysis, pro forma financial statement forecasting, firm value optimization and valuation models,

capital structure, stock price valuation, bond pricing and returns, compounding and discounting, cash budgeting, working capital, risk and return, capital budgeting techniques, long and short term financing decisions, leverage, dividend policy, the cost of capital; problems and applications utilizing commercially available computer software.

Prerequisite: ACC 1002, ECO 1011; 1021, and STB 1131.

2409 Advanced Corporate Finance (3-0-3)

The corporate finance function and decision-making process. Specific specialized topics are examined and case presentations may be used. Evaluation of capital expenditure proposals, risk/return, diversification, capital structure, investment and financing decisions, capital markets, cash and credit management, mergers, acquisitions, LBO's, and global financial strategies.

Prerequisite: FIN 1408.

2505 Investment Analysis (3-0-3)

Features and character of available investment opportunities; fundamental principles for choosing sound investment vehicles to meet investor risk/return objectives. Stocks, bonds, warrants, convertibles, preferreds, municipals, governments, options, and futures are defined and analyzed, utilizing fundamental technical and portfolio optimization techniques. Investment research is implemented, using PC and mainframe databases and software.

Prerequisite: FIN 1408.

2521 Portfolio Management (3-0-3)

Theoretical analysis and practical applications of modern portfolio theory to individual and institutional portfolio management; optimal asset selection and allocation decisions, portfolio mix, and the evaluation of portfolio performance; Markowitz diversification, single and multi-index models, capital market theory, capital asset pricing, arbitrage pricing, fixed income securities, and options strategies. Portfolio optimization design implemented using PC and mainframe databases and software.

Prerequisite: FIN 2505.

3510 Speculative Markets: Futures Markets and Options (3-0-3)

Comprehensive overview of commodities, financial futures, and options on futures. The market microstructure and its evolution, trading applications, and the use of technical and fundamental analysis; exchange operations, trading mechanics, hedging and speculation, price forecasting, testing and optimizing trading systems, performance spreading, and option pricing theory. Students implement a PC commodity market simulator.

Prerequisite: FIN 1408, 2505.

3601 International Business (3-0-3)

The environment of international business. Problems, policies, and operations of multinational corporations examined with a focus on global logistic and production planning, alternative forms of ownership, and methods of control.

Prerequisite: ECO 1221, FIN 1408.

3603 International Finance (3-0-3)

Analysis of special topics in international finance, including international capital flows, theories of foreign exchange rate determination, Eurocurrency and Eurobond markets, and integration of multinational markets.

Prerequisite: FIN 3601.

3930 Real Estate Finance (3-0-3)

Theory and measurement of return and risk on real estate loans and equity investment; investment decision-making and financing alternatives; evaluation of investment risk and credit quality.

Prerequisite: ECO 1221, FIN 1408

3932 Capital Markets and Financial Institutions (3-0-3)

Structure and evolution of financial institutions; role of financial markets in allocating funds and absorbing risk; relationships among markets; financial intermediation.

Prerequisite: ECO 1011, 1021; and ECO 1221 or FIN 1408.

FRENCH (FRE)

In this discipline, the first digit of the course number designates the following areas within the discipline:

- 1 = Language
- 2 = Literature
- 3 = Literature in Translation
- 4 = Special

1101-1102 Elementary Course (3-0-3)

Essentials of oral expression, listening comprehension, and basic reading and writing skills. For students with less than two years of high school French.

1201-1202 Intermediate Course (3-0-3)

Intensive review of grammar; readings in literature; exercises in composition and conversation. *Prerequisite:* two years of high school French or FRE 1102. Students with three years of high school French may enter 1202 with permission of the instructor.

1245; 1246; 1247; 1248 Oral French (1-0-1)

Emphasis on oral proficiency related to a wide variety of subject matter; vocabulary building; reports and class discussion to acquire fluency and ease of expression.

Prerequisite: FRE 2102.

1421 Advanced Composition (3-0-3)

Work on special problems of grammar; frequent exercises in translation; practice in composition and conversation.

Prerequisite: FRE 1202.

(1503 French Civilization)

(1843 History of the French Language)

2101; 2102 Masterpieces of French Literature (3-0-3)

Great works of French prose, poetry, and drama of the various periods.

Prerequisite: four years of high school French or FRE 1202.

2125; 2126; 2127; 2128 Survey of French Literature (3-0-3)

First semester: medieval period and Renaissance; second semester: 17th and 18th centuries; third semester: 19th century; fourth semester: 20th century. History of the literature of the periods and detailed study of representative works.

Prerequisite: four years of high school French or FRE 1202.

(2284; 2285 The Modern Novel)

(2323 The Theater of Revolt)

(2437 Literature of the 17th Century)

(2448 Literature of the Enlightenment)

(2580 Literature of Existentialism)

(3284; 3285 Modern Novel in Translation)

(3323 Modern Drama in Translation)

(3580 Literature of Existentialism in Translation)

4901, 4902 Independent Study

For the description of this course, see page 28.

4911, 4912 Honors

For the description of this course, see page 28.

GREEK

See Classical Languages

HEBRAIC STUDIES (HES)

This designation is used to indicate block transfer credit granted for courses taken at other schools, as described on pages 34 and 44. Except for Jewish Studies majors, a maximum of 36 credits in Hebraic Studies will be accepted by Yeshiva College, Stern College, and Sy Syms School from IBC, JSS, MYP, and the Rebecca Ivry Department of Jewish Studies.

JAMES STRIAR SCHOOL OF GENERAL JEWISH STUDIES

1000 through 1099 Hebrew Language and Literature (1-6 credits each)

A comprehensive four-year sequence, providing the beginning student, in systematic, progressive stages, with a reading, writing, and speaking knowledge of Hebrew; with an introduction to the basic texts of ancient and modern Hebrew literature; and with a knowledge of Jewish history and philosophy. (These courses are usually 4 credits a semester, but may be taken for as many as 6 or as few as 1 credit.)

YESHIVA PROGRAM / MAZER SCHOOL OF TALMUDIC STUDIES

1100 through 1199 Hebrew Language and Literature (1-3 credits each)

May be applied toward a Jewish Studies major with the written permission of the Dean of Jewish Studies. Analysis of Talmudic texts and commentaries in the original Hebrew and Aramaic, with their cultural implications.

ISAAC BREUER COLLEGE
OF HEBRAIC STUDIES

1200 through 1299 Hebrew Language and Literature (3 or 4 credits each)

Studies of ancient, medieval, and modern Hebrew texts on the intermediate and advanced levels.

REBECCA IVRY DEPARTMENT
OF JEWISH STUDIES,
STERN COLLEGE

1300 through 1399 Hebrew Language and Literature (3-6 credits each)

A comprehensive four-year program of studies in Hebrew language and literature and Jewish culture and civilization on the elementary, intermediate, and advanced levels. The student is provided with a reading, writing, and speaking knowledge of Hebrew; becomes acquainted with the basic texts of ancient, medieval, and modern Hebrew literature (including Biblical literature with classical and modern commentaries, and Jewish legal literature); and gains a knowledge of Jewish history and philosophy. This designation of Hebraic Studies is used for credit transferred to the B.A. for the Core segment of the program (see page 44).

ISRAEL PROGRAM
OF YESHIVA UNIVERSITY

1400 through 1499 Hebrew Language and Literature

This designation is used to indicate block transfer credit granted for courses taken in the University's Israel Program (see page 48). Up to 16 credits a semester and a maximum of 32 will be granted at Yeshiva College, and up to 18 credits a semester and a maximum of 36 at Stern College.

OTHER INSTITUTIONS

1500 through 1599 Hebrew Language and Literature

This designation is used for credit granted for courses in Hebrew language and literature taken at other institutions. The maximum credit granted toward a YC, SCW, or SSSB degree for work in an American nondegree-granting institution is 8 a semester and a total of 32; for work in an Israeli institution, as above. See Form P6A for details.

HEBREW (HEB)

In this discipline, the first two digits of the course number designate the following areas within the discipline:

Language Courses

- 11 = Beginning and Elementary Courses
- 12 = Lower and Upper Intermediate Courses
- 13 = Advanced Grammar and Syntax
- 14 = Advanced Oral and Written Expression

Literature Courses

- 22 = Prose and General
- 23 = Poetry and Drama
- 24, 25, 26 = Chronological Studies
- 27 = Themes and Topics
- 49 = Special Courses

Covering Several
Periods

1101-1102 Beginner's Course (3-0-3)

1101B-1102B (4-0-4)

No credit if taken after two or more years of high school Hebrew. Introduction to the reading, writing, translating, and speaking of Hebrew; first principles of grammar. The continuation of this course is HEB 1121A or 1203.

1103-1104 Elementary Course (3-0-3)

1103B-1104B (4-0-4)

No credit if taken after two or more years of high school Hebrew; students with three years of high school Hebrew may enter HEB 1104 or 1104B or 1203 or 1203A with permission of the instructor. Parallel to 1101B-1102B but moves at a faster pace. The continuation of this course is HEB 1203 or 1203A.

1121-1122 Elementary Course (4-0-4)

1121A-1122A (2-0-2).

Review of Hebrew grammar, selected readings of classical and modern Hebrew literature, practice in writing and speaking Hebrew. The continuation of this course is HEB 1205 or 1205A. *Prerequisite:* one year of high school Hebrew or equivalent; no credit if taken after more than two years of high school Hebrew.

1203-1204 Lower Intermediate Course (3-0-3)

1203A-1204A (2-0-2)

No credit if taken after four years of high school Hebrew; students with superior records in HEB 1102B or in 1104B or in high school Hebrew may enter HEB 1204 with permission of the instructor. Review of grammar, selected readings and translation, composition and conversation. The continuation of this course is HEB 1205. *Prerequisite:* HEB 1102B or 1104B or two years of high school Hebrew.

1203B-1204B

Same as 1203-1204 but (4-0-4). The continuation of this course is HEB 1206 or 1231.

1205, 1206 Intermediate Course (3-0-3)

1205A, 1206A (2-0-2)

1205B, 1206B (4-0-4)

Review of grammar, practice in writing and speaking Hebrew. Readings in modern Hebrew literature. The continuation of this course is HEB 1207 or 1231.

Prerequisite: HEB 1204 or four years of high school Hebrew.

1207-1208 Upper Intermediate Course (3-0-3)

Graded readings, composition, and conversation. Unvocalized texts and easy Israeli newspapers are used.

Prerequisite: HEB 1206 or equivalent, with good knowledge of grammar.

1231 Conversational Hebrew (3-0-3)

Directed toward the development of fluency in speaking Hebrew.

Prerequisite: HEB 1204B or 1205.

1310 Advanced Course (3-0-3)

Grammar, writing, and conversation.

Prerequisite: HEB 1206 or higher.

1311 Advanced Grammar (3-0-3)

Hebrew syntax and grammar; varieties of construction and idioms; compositions and exercises.

Prerequisite: HEB 1206 or higher.

1321, 1322 Biblical Hebrew (3-0-3)

1321B, 1322B (4-0-4)

Review of basic forms; principles of phonology, morphology, and syntax.

Prerequisite: HEB 1205 or permission of the instructor.

1409, 1410 Advanced Conversation (3-0-3)

Spoken modern Hebrew, using advanced textbooks and Israeli newspapers.

Prerequisite: HEB 1208 or equivalent.

1419; 1420 Exposition and Narration (3-0-3)

Advanced writing course.

Prerequisite: HEB 1206.

2020 Early Hebrew Poetry (3-0-3)

Historical-philological approach to the study of early Hebrew poetry; the application of different linguistic forms to similar themes.

Prerequisite: HEB 1206.

2409; 2410 Post-Biblical and Medieval Literature (3-0-3)

Hebrew literature from the close of the Biblical period through the medieval period; selections from the Apocrypha, paitanim, medieval prose and poetry, with emphasis on Maimonides, Yehudah Halevi, and Ibn Gabirol.

Prerequisite: HEB 1206 or higher.

2525 Medieval Hebrew Poetry (3-0-3)

Selected readings in the Hebrew poetry of the Middle Ages, with emphasis on Yehudah Halevi, Shmuel Hanagid, Solomon Ibn Gabirol, and Abraham Ibn Ezra.

Prerequisite: HEB 1206 or higher.

2535 Medieval Hebrew Prose (3-0-3)

Selected readings in Hebrew prose of the Middle Ages, with emphasis on Maimonides.

Prerequisite: HEB 1206 or higher.

2557 Modern Hebrew Literature (3-0-3)

This course covers the same material as HEB 2567, 2568 in one semester. No credit for both courses.

Prerequisite: HEB 1206 or higher.

2567, 2568 Modern Hebrew Literature (3-0-3)

The movement for Enlightenment (Haskalah) and the national renaissance, with readings in the major writers of the period.

Prerequisite: HEB 1206 or higher.

2607 Foundations of Haskalah Literature (3-0-3)

The literature of the period of the Enlightenment, with readings in J.L. Gordon, Krochmal, M. J. Levenson, Luzatto, Mapu, and Smolenskin.

Prerequisite: HEB 1206 or 1206B.

2657 Modern Hebrew Prose (3-0-3)

The Hebrew short story and novel from 1880 to the present.

Prerequisite: HEB 2568 or equivalent.

2667 The Hebrew Novel (3-0-3)

Critical study of representative works of such writers as Agnon, Barash, Brenner, Hazaz, Meged, and Mendele.

Prerequisite: HEB 1205B.

2669 The Hebrew Short Story (3-0-3)

Detailed examination of the short story genre, its main characteristics, motifs, themes, and techniques as reflected in the works of Agnon,

Applefeld, Baron, Hazaz, Oz, Shenhar, Shoffman, and others.
Prerequisite: HEB 1205B.

2677 The Modern Hebrew Essay (3-0-3)

Selected readings from the 19th and 20th centuries.
Prerequisite: HEB 2568 or equivalent.

2679 Modern Hebrew Poetry (3-0-3)

Major poems of modern masters from 1880 to the present.
Prerequisite: HEB 2568 or equivalent.

2687 Foundations of Renaissance Literature (3-0-3)

The works of Ahad Ha'am, Bialik, and Mendele.
Prerequisite: HEB 1206 or 1206B.

2688 20th Century Literature (3-0-3)

Hebrew prose and poetry of the 20th century; literary analysis of selected readings of the major modern authors.
Prerequisite: HEB 1206 or 1206B.

2697; 2698 Contemporary Hebrew Literature (3-0-3)

Hebrew prose and poetry of the period since 1948; literary analysis of selected readings of the major authors.
Prerequisite: HEB 1206 or higher.

2709; 2710; 2719; 2720; 2729; 2730; 2739; 2740 Topics in Hebrew Literature (3-0-3)

Each semester examines a specific area, such as Literature of the Holocaust; Themes in Agnon and Hazaz; War and Peace in Contemporary Israeli Literature; the Portrayal of the Arab in Israeli Literature; Biblical Themes in Israeli Literature; the Kibbutz in Israeli Literature; Zionism in Hebrew Literature.
Prerequisite: HEB 1206 or 1206B.

2801 through 2899 Studies in Individual Authors and Their Works (3-0-3)

2801A through 2899A (2-0-2)
Prerequisite: HEB 1206 or higher.

2810A Agnon
2819A Barash

2927 Biblical Themes in Modern Hebrew Literature (3-0-3)

Prerequisite: HEB 1206 or higher.

4901, 4902 Independent Study

For the description of this course, see page 28.

4911; 4912 Honors

For the description of this course, see page 28.

4931; 4932 Selected Topics (3-0-3)

Assigned topics, regular conferences, and a report.
Prerequisite: permission of the instructor.

4950 Bachelor's Thesis (0-9-3)

Independent work, under faculty guidance, in an area of Hebrew literature with an historical-analytical or in-depth critical approach.
Prerequisite: senior status and a major in Hebrew.

HISTORY (HIS)

In this discipline, the first digit of the course number designates the following areas within the discipline:

- 1 = European History
- 2 = American History
- 3 = Asian, African, and Latin American History
- 4 = General

Courses in Jewish History are listed under JHI on page 70.

1001; 1002 Western Civilization (3-0-3)

First semester: an outline of the cultural and material development of mankind from the dawn of history to 1650; second semester: evolution of the political, economic, social, and intellectual life of the world from the 17th century to the present.

(1120 Medieval Society)

1140 The Renaissance and Reformation (3-0-3)

European thought and culture in the age of transition from the 14th to the 17th centuries.
Prerequisite: HIS 1001; 1002.

1210 Early Modern Europe (3-0-3)

The 17th and 18th centuries: rise of the nation state; first scientific revolution; the Enlightenment and its impact on political theory and religion.
Prerequisite: HIS 1002.

1240 Revolutionary Europe (3-0-3)

Social, political, and economic conditions in 18th century France; the French Enlightenment and its revolutionary implications; the Revolution and its European impact; domestic and foreign policies of Napoleon.
Prerequisite: HIS 1002.

1244; 1245 Modern Europe: 1815-1870; 1870-1914 (3-0-3)

83 Transformation of the social, intellectual, and industrial as well as the political life of Western Europe from the period following the Napoleonic Empire to World War I; development of nationalism, industrialism, imperialism, and democracy.
Prerequisite: HIS 1002.

1246; 1247 Europe 1914-1939; 1939-Present (3-0-3)

Major domestic developments in France, Italy, Germany, and the Soviet Union since World War I; international relations during the interwar period; origins and effects of the Cold War.
Prerequisite: HIS 1002.

1248; 1249 Modern Europe I; II (3-0-3)

The contents of 1244; 1245; 1246; 1247 in two semesters.

1285A The Holocaust (2-0-2)

The emergence of modern anti-Semitism and racial ideology; Nazi implementation of the "Final Solution"; problem of the Judenrat; life in the ghettos and camps; Allied, Christian, and world Jewish reactions; resistance; post-Holocaust literary and theological reflection. (This course is the same as JHI 1485.)
Prerequisite: HIS 1002.

1400 Greek Civilization (3-0-3)

The contents of 1401; 1402 in one semester.

1401; 1402 Greek Civilization (3-0-3)

First semester: Hellenic civilization—major cultural achievements of the Greeks until Alexander the Great; second semester: Hellenistic civilization—political, social, and economic background; Hellenistic culture; synthesis of Hellenism and Judaism in Hellenistic Alexandria.
Prerequisite: HIS 1001.

1410 Roman Civilization (3-0-3)

Major achievements of Rome in government, law, literature, and the arts.
Prerequisite: HIS 1001.

1501; 1502 History of Britain (3-0-3)

Political, social, and economic history of Britain; first semester: Anglo-Saxon period-1688; second semester: 1688-present.
Prerequisite: HIS 1002.

1503 Modern British History (3-0-3)

Political, social, and economic history of Great Britain from 1815 to the present.
Prerequisite: HIS 1002.

1571; 1572 History of Russia. (3-0-3)

Political and cultural history of Russia from the 5th century to the present, with emphasis on the 19th and 20th centuries.
Prerequisite: HIS 1002.

1601; 1602 European Intellectual History (3-0-3)

First semester: origins of modern science; rise of humanism; the Enlightenment; second semester: romanticism; Hegel and Marx; the critique of bourgeois society in 19th century literature; currents in 20th century philosophy, science, and political theory.
Prerequisite: HIS 1002.

2005; 2006 Survey of United States History (3-0-3)

Aspects of American history that have contributed to the shaping of American culture; evaluation of political, social, and economic trends in the light of changing ideals; first semester: colonial times to 1877; second semester: 1877 to the present.

(2110 American Colonial History)

(2130 The American Revolution and Constitution)

(2150 The United States: 1789-1850)

(2170 The United States: 1850-1877)

2200 The United States: 1877-1941 (3-0-3)

The period during which the nation underwent massive changes associated with industrialization and the rise of corporate capitalism; impact of these changes on various societal groups and response of the state to these changes; overseas expansion of the United States and its emergence as a world power.

(2250 Modern America: 1941-Present)

2301; 2302 American Social and Cultural History (3-0-3)

First semester: 1607-1877; second semester: 1877-1986. Social order and innovation; Puritan and Enlightenment man; the problem of race; American-European interaction; war as myth and reality; the lure of the city; images of success;

heroes and nostalgia; realpolitik; literary trends.
Prerequisite: HIS 2006.

2510 History of American Foreign Policy (3-0-3)

United States foreign policy from the American Revolution until World War II. Continental expansion, the Monroe Doctrine, imperialism, the Open Door, neutrality and World War I, isolationism, the road to Pearl Harbor. This course may be counted toward a political science major as well.

2540 The Vietnam War (3-0-3)

The Vietnam War and its effects on both the United States and Vietnam; the First Indochina War (1945-54); the Diem regime; the U.S. decision to intervene; military strategy; Vietnamization and withdrawal.

2560 History of Women in the United States (3-0-3)

Survey of women's historical experiences in the United States from the colonial era to the present; changes in the economic role of women, family life, changing ideals of womanhood, suffrage movement, and feminism.

(2580 American Minority History)

2581 American Jewish History (3-0-3)

Major political, economic, and cultural developments from colonial beginnings to the present; the Jewish experience in its American historical context; the Jewish labor movement, rise of American Zionism, and role of American Jewry during the Holocaust. This course is the same as JHI 1573.

(3200 The Ancient Near East)

3221; 3222 The Middle East (3-0-3)

First semester: rise of Islamic civilization until 1800; Islam's origins and political, economic, and cultural nature; relationships with non-Islamic groups; second semester: 1800 to the present; decline of the Ottoman Empire, challenge of the European states, Arab nationalism.
Prerequisite: HIS 1001; 1002.

(4080 Introduction to Archives)

4691; 4692 War in Western Civilization (3-0-3)

The relationship of war, in its broader ethical, intellectual, religious, technological, and purely military aspects, to Western civilization; concept of the Just War, war crimes, terrorism, guerrilla warfare, nuclear war.
Prerequisite: HIS 1001; 1002.

4697 Nationalism in the Modern World (3-0-3)

Origins and development of nationalism in Europe, its diversity and paradoxes; melting-pot nationalism in America; Jewish nationalism; emergence of anticolonial nationalism in Asia and Africa.
Prerequisite: HIS 1002.

4901; 4902 Independent Study

For the description of this course, see page 28.

4911; 4912 Honors

For the description of this course, see page 28.

4930 Seminar (3-0-3)

For seniors majoring in History and selected juniors. Assigned topics, regular conferences, and a report.

Prerequisite: permission of the instructor.

INFORMATION SYSTEMS (INF)

1020 Management Information Systems Overview (3-0-3)

Overview of the role and functions of modern management information systems in business organizations; introduction to MIS and to computer usage, including computer hardware and operating systems, software, databases, distributed systems, and data communication; issues such as human factors in MIS, impact of MIS on organizations, and use of MIS in other countries. Students have hands-on experience through PC spreadsheets, word processing, and data base usage.

Laboratory fee: \$50 per semester. *Prerequisite:* STB 1131.

2821, 2822 Systems Analysis, Design, and Software (3-0-3)

Concepts, methods, and practice in design, development, and implementation of information systems, from joint system planning with user groups through system installation and user education; software structures: dataflow diagrams, programming concepts, files and databases, program modules, documentation; user-system interface: user requirements, system definition, system installation, user education and training; project planning and control; cost estimation; programming in COBOL and one other high-level language.

Laboratory fee: \$50 per semester. *Prerequisite:* INF 1020, STB 1601.

3830 Computer Technology (3-0-3)

Basic functions of a computer system, its architecture and components; system software: operating systems, interpreters, compilers; application software: application programs, files, database models, languages; software packages. Computers from micros to mainframes are considered.

Laboratory fee: \$50 per semester. *Prerequisite:* INF 2822.

3831 End-User Computing in Business (3-0-3)

Role of the microcomputer as a stand-alone or part of a host-based system; single-user and multiple-user micros; data communication requirements; impact on office automation, managerial and clerical decision support, remote data entry; evaluation, implementation, and management of end-user computing.

Laboratory fee: \$50 per semester. *Prerequisite:* INF 1020 and senior status or permission of SSSB Dean.

3832 Selected Topics in Information Systems (3-0-3)

Selected areas of information systems technology such as analysis and design of distributed systems and data communication, computer system reliability and security, interaction between the organization and its MIS.

Laboratory fee: \$50 per semester. *Prerequisite:* INF 3830, 3831.

JEWISH EDUCATION (JED)

Courses in Jewish Education are not part of an organized program for the preparation of teachers in the public schools, and are therefore not applicable to certification by the New York State Education Department.

1211A, 1212A Educational Psychology in Judaic Texts (2-0-2)

Analysis of Judaic sources dealing with the roles of student and teacher relative to the educational process and educational objectives; normal and deviant behavior.

1553 Philosophy of Jewish Education (2-0-2)

Historical approach to the philosophies of Jewish education.

2003 Early Childhood and Elementary Education I (2-0-2)

Child development, with emphasis on learning experiences as an intrinsic part of personality development; developing a creative program; experience with, and evaluation of, media which meet children's needs.

2004 Early Childhood and Elementary Education II (2-0-2)

Evaluation of the tools and skills of learning; practical experience with art materials designed to give understanding of the need for creative expression.

2301 Educational Methodology (4-0-4)

Seminar in methods of teaching Bible, Hebrew, and Jewish history.
Prerequisite: junior status.

2313 through 2319 Methods and Materials in Teaching Specific Subjects (2-0-2)

Prerequisite: JED 2004 or 2301 or 2312.

2313 Teaching Hebrew

2314 Teaching Bible

2315 Teaching Talmud

2318 Teaching Jewish History

2552A Classroom Management (2-0-2)

"Housekeeping" procedures, discipline, lesson planning.

2552B Classroom Management (4-0-4)

"Housekeeping" procedures, curriculum and syllabus organization, lesson planning.

2940, 2941 Intern Teaching (3-6 credits)

Full-time teaching service at a recognized day school or afternoon school under direct supervision of school principal and the Dean of Isaac Breuer College; periodic submission of syllabi, lesson plans, and examinations.

Prerequisite: JED 2945B.

2945 Practice Teaching in the Jewish School (150 clock hours, 4 credits)

Practice student teaching under supervision in a recognized Jewish school.

Prerequisite or corequisite: two JED methods courses and permission of the instructor.

2945B Practice Teaching (1-15-6)

The first five weeks of the term are devoted to a seminar on classroom management and the use of audiovisual media in the teaching program. The last nine weeks are devoted to student teaching.

Prerequisite or corequisite: JED 2301, senior status, and permission of the instructor.

4931A Topics in Jewish Education: Judaism and Psychology (2-0-2)

In-depth treatment of selected topics including: the religious experience and organized religion; the nature of man and the concept of the unconscious; normality and abnormality. The material is discussed in terms of its Jewish and psychological aspects and ramifications. Same as JUD 4931.

JEWISH HISTORY (JHI)

In this discipline, the first two digits designate the following areas within the discipline:

- 10 = Survey Courses
- 11 = Ancient (Biblical) Period
- 12 = Classical Period (586 B.C.E.-500 C.E.)
- 13 = Medieval Period (500-1500)
- 14 = Modern Period (1500-Present)
- 15 = Specific Countries
- 18 = Topical Courses
- 49 = Special Courses

Qualified upperclassmen may receive permission to take courses in Jewish History at Bernard Revel Graduate School. Consult the schedule to see the offerings available.

Students who pass the Yeshiva University College-Level Test in Jewish History are excused from the Jewish History requirement. The examination is acceptable as a prerequisite for advanced courses. Students who plan to do graduate work in Jewish history, or to major in Jewish Studies with a concentration in Jewish History, are strongly advised to take either the examination or courses as sophomores. SSSB and YC students in MYP must take the examination or courses no later than their junior year and may not postpone doing so without prior written permission of the Dean of YC or SSSB.

1001; 1002 Survey of Jewish History (3-0-3)
Political, social, economic, and cultural currents in the history of the Jews from the Second Commonwealth through modern times; first semester: Second Commonwealth, late Roman period, and Jewry in the orbit of Islam; second semester: the Jews in medieval Christendom; the development of modern Jewish history.

1101 Ancient Jewish History (3-0-3)
History of the Jews to the end of the First Commonwealth, 586 B.C.E.

1105; 1106 History of the Ancient Near East (3-0-3)
First semester: 3rd millennium B.C.E. to 1300 B.C.E.; second semester: 1300 B.C.E. to 586 B.C.E.

1116 Biblical History and Archeology (2-0-2)
Archeological discoveries in Israel and their impact on the study of Jewish history.
Prerequisite: junior status.

1200 Classical Jewish History (3-0-3)
History of the Jews from 300 B.C.E. to 500 C.E.

1201A; 1202A Classical Jewish History (2-0-2)
History of the Jews from the Second Commonwealth through the Talmudic period (586 B.C.E.-500 C.E.).

1203 Jewish History 586 B.C.E.-300 C.E. (3-0-3)
The Second Commonwealth through the Tannaitic period.

1231A The Apocrypha (2-0-2)
Survey of the Apocrypha, with intensive analysis of one or more of those books; historical and literary aspects.
Prerequisite: permission of the instructor.

1233A Early Jewish Movements (2-0-2)
Systematic survey of the Sadducees, Essenes, Dead Sea Sect, Sicarii, Zealots, and other movements during the period of the Second Commonwealth; their relationship to Biblical, Apocryphal, and Rabbinic Judaism, as well as to other movements, notably Christianity.

1235A The Dead Sea Scrolls (2-0-2)
Archeological, historical, and literary aspects of the scrolls; their place in the development of the Hebrew language and Jewish thought.
Prerequisite: permission of the instructor.

1245 Synthesis in Alexandria and Israel (3-0-3)
The confrontation between Judaism and Hellenism during the Second Commonwealth.

1255 Jewish Revolts Against Rome (3-0-3)
Political, social, economic, and religious causes and results of the three great revolts of the Jews against the Roman Empire: those of 66-74, 115-117, and 132-135.
Prerequisite: JHI 1200 or HIS 1001.

1300 Medieval Jewish History (3-0-3)
The Jewish people from the Gaonic period (500) to the end of the Thirty Years' War (1650).

1301A; 1302A Medieval Jewish History (2-0-2)
The Jewish people from the Gaonic period (500 C.E.) to the Expulsion from Spain (1500).

1321 Jews in Medieval Christendom (3-0-3)
Jewish settlement in Italy and Franco-Germany; Rashi and the Tosafists; law and society; the Crusades and the origins of medieval anti-Semitism; Christian Spain—disputations, conversions, and Expulsion; the Jews in the Renaissance.

1323 Origins of European Jewry (3-0-3)
Origins of Ashkenazic and Sephardic Jewry.
Prerequisite: HEB 1208.

1325 Responsa Literature as a Source of Jewish History (3-0-3)
Social and economic life of the Jews in Germany, from the 11th to the 14th centuries, as reflected in Responsa.
Prerequisite: HEB 1208.

1327A The Tosafists (2-0-2)
The literary and juridical creativity of Ashkenazic scholarship in the 12th and 13th centuries.

1335 The Jews of Medieval Spain (3-0-3)
The Jews in Christian and Moslem Spain; the Golden Age; the Expulsion.

1344 Jewish-Christian Polemics (2-0-2)
The debates between Christians and Jews in the Middle Ages based on differences in philosophy and Biblical exegesis; their role in shaping and reflecting social and legal relationships.

1371 Jews in the Medieval Moslem World (3-0-3)
Judaism and Islam; the protected minority; Gaonate and Exilarchate; Karaim and false Messianism; Saadia Gaon and medieval Jewish philosophy; the flowering of Jewish culture in Moslem Spain; the migration to Provence.

1400 Modern Jewish History (3-0-3)
A one-semester survey of the material covered in 1401; 1402.

1401; 1402 Modern Jewish History I; II (3-0-3)
Rise and flowering of the Eastern European Jewish communities; Hasidism; the Enlightenment; the Emancipation and development of Western European Jewry; American Jewry; new religious currents; modern anti-Semitism and the Holocaust; Zionism and the founding of the State of Israel; first semester: 1600-1900; second semester: 1900-1948.

1402A Destruction of Polish Jewry (2-0-2)
Seminar analyzing the destruction of Polish Jewry during World War II.

1404 Modern Jewish Personalities (3-0-3)

1415 History of Zionism (3-0-3)
Rise and development of modern Jewish nationalism against the backdrop of contemporary Western civilization and the scope of Jewish history; writings of major Zionist ideologues; role of Zionism within the major Diaspora communities; impact of the rise of the Jewish state movement on the world political and diplomatic scene.

1451 The Jews in Eastern Europe I (3-0-3)
History of the Jewish people in Eastern Europe from the Early Settlement to the Third Partition of Poland (1795).
Prerequisite: JHI 1400 or equivalent.

1452 The Jews in Eastern Europe II (3-0-3)
History of the Jewish people in Eastern Europe since 1795.

1471; 1472 Jews in the Modern Arab World (3-0-3)
Communal, economic, and cultural history of the Jews in Moslem lands in modern times.
Prerequisite: JHI 1002.

1485 The Holocaust (3-0-3)
1485A (2-0-2)
The emergence of modern anti-Semitism and racial ideology; Nazi implementation of the "final solution"; problem of the Judenrat; life in the ghettos and camps; Allied, Christian, and world Jewish reactions; resistance; post-Holocaust literary and theological reflections.
Prerequisite: JHI 1001; 1002.

UNDER THE ELI AND DIANA ZBOROWSKI
PROFESSORIAL CHAIR IN
INTERDISCIPLINARY HOLOCAUST
STUDIES

1501; 1505 History of Palestine (3-0-3)
Immigration and settlements; relations with ruling powers; rise of independence; first semester: under the Turks, 1880-1918; second semester: under the British, 1919-1948.

1510A Modern Israel (2-0-2)
A one-semester survey covering the same material as 1511; 1512.

1511; 1512 Modern Israel (3-0-3)

Comprehensive survey of the history of Israel from 1948 to the present; political, economic, and social developments; current problems.

1513 Contemporary Israeli Issues (2-0-2)

Economic, political, religious, and social issues confronting the Israeli citizen and government today.

Prerequisite: ability to read current Hebrew newspapers and periodicals.

1521S through 1562S Sephardic Communities (2-0-2)

The social, economic, and communal development of various communities of Sephardic Jews:

1521S Israel Since 1492**1540S Western Europe: England, France, Holland, Gibraltar****1549S The Balkans: Bulgaria, Greece, Turkey, Yugoslavia****1554S East Asia: India, Burma, the Far East****1555S Southwest Asia: Iran, Iraq, Yemen****1561S North Africa: Algeria, Libya, Morocco, Tunisia****1562S Eastern Mediterranean Area: Egypt, Lebanon, Syria****1573 American Jewish History**

Same as HIS 2581.

1575A; 1576A American Jewish History (2-0-2)

First semester: the Jewish community in the United States and its development from earliest times; immigration and settlement; social, economic, and communal development; contribution to American civilization; second semester: the modern and contemporary scene—American Jews and the Holocaust, State of Israel, civil rights movement, Russian Jewry, inner-city tensions.

Prerequisite: junior status or permission of the instructor.

1577A Contemporary American Jewish Issues (2-0-2)

The American Jewish community today against the backdrop of the pluralistic American society; analyses of current issues and problems, within the community and at its interface with other communities and cultures; guest lecturers.

1803 Historiography (3-0-3)

Seminar on the great Jewish historians; their philosophy, method, and works from ancient times to the present.

Prerequisite: HIS 1001; 1002; JHI 1001; 1002; and permission of the instructor.

1809; 1810 Topics (2-0-2)

Selected topics in Jewish history.

Prerequisite: permission of the instructor.

1811 Messianic Movements in Judaism (3-0-3)

History of various Messianic movements among the Jewish people from the 1st to the 19th centuries.

1831; 1832; 1833; 1834 Jewish Intellectual History (3-0-3)

Major themes in the intellectual history of the Jews from the Second Commonwealth to the present; readings almost exclusively from pri-

mary sources.

Prerequisite: JHI 1001; 1002 or 1200; 1300; 1400.

4901, 4902 Independent Study

For the description of this course, see page 28.

4911, 4912 Honors

For the description of this course, see page 28.

4950 Bachelor's Thesis (0-9-3)

Independent work, guided by faculty, in an area of Jewish history. An acceptable thesis will show diligent research in primary sources, scholarly organization, and clear exposition of material.

Prerequisite: Jewish History major and senior status.

JEWISH PHILOSOPHY (JPH)

Qualified upperclassmen may receive permission to take courses in Jewish Philosophy at Bernard Revel Graduate School. JPH 5011 (Survey of Medieval Jewish Philosophy) and JPH 5012 (Survey of Modern and Contemporary Jewish Philosophy) are open to students with B averages, and other courses require prior permission of the instructor; consult the schedule for offerings.

1131; 1132 Introduction to Jewish Philosophy (3-0-3)

Philosophical foundations of Judaism; readings from classical and contemporary writers; major religious and national issues and philosophical concepts; first semester: basic beliefs; second semester: contemporary issues. For students on the beginner's, elementary, and intermediate levels in Jewish studies.

1133; 1134 Introduction to Jewish Philosophy (3-0-3)

Same as 1131; 1132 but for students on the advanced level in Jewish studies.

1135, 1136 Survey of Jewish Philosophy (2-0-2)

Survey of Jewish thought on selected present-day religious, moral, and ethical issues; discussion and analysis based on traditional and contemporary writings.

1204 Jewish Ethics (3-0-3)

The moral philosophy of Judaism; individual and social problems in light of Jewish ethical norms and values; readings from selected texts, both medieval and modern.

1214 Theories of Evil (3-0-3)

The problem and definition of evil as understood in Talmudic literature and medieval and modern Jewish philosophy.

1224A Theories of Prophecy (2-0-2)

Survey of medieval Jewish sources on the nature and scope of prophecy.

1309 Jewish Eschatology (3-0-3)

Analysis of textual sources—ancient, medieval, and modern—dealing with eschatology in Judaism.

1441; 1442 History of Jewish Philosophy (3-0-3)

Problems and concerns of the major Jewish thinkers; role of philosophy within Judaism; first

semester: through the medieval period; second semester: modern thought.

Prerequisite: JPH 1131 or 1132 or 1133 or 1134.

1506A Biblical Philosophy (2-0-2)**1611A, 1612A Medieval Jewish Philosophy (2-0-2)**

Selected topics and readings from Albo, Bahya, Crescas, Yehudah Halevi, Maimonides, Saadiah, and relevant background study (Neo-Platonism, Kalam, Aristotelianism).

1626 Philosophy of Saadiah Gaon (3-0-3)

Analysis of the Hebrew text of the *Emunot ve-De'ot*, emphasizing Saadiah's treatment of philosophical problems; comprehensive study of Saadiah's philosophy from the historical perspective.

Prerequisite: JPH 1131 or 1132 or 1133 or 1134.

Recommended: JPH 1441.

1640 Philosophy of Yehudah Halevi (3-0-3)

One-semester survey of the material covered in JPH 1647; 1648.

1647; 1648 Philosophy of Yehudah Halevi (3-0-3)

Analysis of the Hebrew text of the *Kuzari*, emphasizing Halevi's views on the Jewish religion, Jewish history, the people of Israel, and pre-eminence of the Land of Israel; Halevi's philosophy and its relevance to contemporary Jewish life and thought. For students on the intermediate and advanced levels in Jewish studies.

1650 Philosophy of Maimonides (3-0-3)⁴⁷

Selections from the philosophical works of Maimonides: *Sefer Ha-Mada of Mishneh Torah*, the *Eight Chapters*, the *Guide for the Perplexed*.

1651; 1652; 1653; 1654 Philosophy of**Maimonides (3-0-3)⁴⁷**

More detailed studies of the material covered in JPH 1650.

Prerequisite: JPH 1131 or 1132 or 1133 or 1134.

1804 Jewish Thinkers of the 19th Century (3-0-3)

Leading exponents of Jewish thought in the 19th century, with emphasis on the works of Moses Mendelssohn, N.H. Wessely, S.D. Luzzatto, and S.R. Hirsch.

Prerequisite: JPH 1131 or 1132 or 1133 or 1134.

1813 Modern Jewish Thought (3-0-3)

Introduction to the philosophical works of, and selected readings in, the great Jewish thinkers of the past two centuries.

1815, 1816 East European Jewish Thought (2-0-2)

Selections of representative religious thought from the writings of: the Tanya, the Gaon of Vilna, R. Hayyim of Volozhin, R. Israel Salanter and the Mussar Movement, the Hazon Ish, Rav Kook.

1843 Contemporary Jewish Philosophy (3-0-3)

History and development of major currents in contemporary Jewish thought including Orthodoxy, Reform, Conservatism, Reconstructionism, and neo-Hasidism.

⁴⁷ These courses were formerly numbered 1630, 1631, 1632, 1633, 1634.

Prerequisite: JPH 1131 or 1132 or 1133 or 1134.
Recommended: JPH 1442.

1843A Contemporary Jewish Philosophy
Same as 1843 but (2-0-2) and no prerequisite except senior status.

1853, 1854 Modern Jewish Problems (2-0-2)
Basic legal concepts, attitudes, and opinions relative to contemporary society that emerge from the Talmud, Commentaries, and responsa literature.

1903 Belief and Religious Commitment (3-0-3)

Role of philosophy and the liberal arts (particularly literature) within a religious intellectual world-view; medieval views of Jewish philosophers on philosophy (Albo, Bahya, Saadiah); modern criticisms of medieval positions; reworkings of relation between faith and reason in modern thought (Barth, Kierkegaard, Newman); Jewish critiques and defenses of secular studies in the modern world (Hirsch, Lamm, Lichtenstein, B.B. Liebowitz, Soloveitchik, Wasserman); literature and religious belief (Jewish and non-Jewish texts).

1905 Philosophy of Prayer (3-0-3)

Analysis of the philosophy of prayer and of the Jewish prayer book.

1907, 1908 Philosophy of Biblical Laws (3-0-3)

Examination of classical and modern sources for their conception of selected mitzvot relative to the Halakhah, their Biblical origins, and their root meanings in Jewish philosophy. For students on the intermediate and advanced levels in Jewish studies. (Formerly JUD 1507, 1508)

1917 Problems in Jewish Philosophy (2-0-2)

Selected topics including Faith and Doubt, Dogma, Free Will, Providence, the Holocaust, State of Israel; guided research in addition to classroom meetings.

Prerequisite: 9 credits in JPH courses (3 credits may be corequisite); senior status.

1921; 1922 Judaism and Culture (3-0-3)

Analysis of the concept of *Torah im Derekh Eretz* and comparison to other views on the relation of Torah and general culture.

1924A Dogma in Jewish Thought (2-0-2)

Medieval and modern Jewish philosophical views of the concept of dogma.

4901, 4902 Independent Study

For the description of this course, see page 28.

4911, 4912 Honors

For the description of this course, see page 28.

4931; 4932 Selected Topics (3-0-3)

Analytical study of special topics, issues, and movements in Jewish philosophy.

Prerequisite: JPH 1131 or 1132 or 1133 or 1134.

4933, 4934 Seminar (3-0-3)

Seminar involving extensive reading, discussion of current issues in Jewish philosophy, and preparation of papers. For students considering graduate study in Jewish philosophy.

Prerequisite: senior status.

4950 Bachelor's Thesis (0-9-3)

Independent work, under faculty guidance, in an area of philosophical study. An acceptable thesis will show diligent research in primary sources, scholarly organization, and clear exposition of material.

Prerequisite: Jewish Philosophy major and senior status.

JUDAIC STUDIES (JUD)

In this discipline, the first two digits of the course number designate the following areas within the discipline:

- 10 = Introductions and Surveys
- 12 = Liturgy
- 13 = Hasidism and Kabbalah
- 14 = Laws and Customs
- 15 = Halakhic Literature
- 16 = Jewish Music
- 18 = Rabbinic Literature
- 49 = Special Courses

If a course number is listed on the *Schedule of Courses* with the suffix A, it denotes (2-0-2) instead of (3-0-3); the suffix B denotes (4-0-4).

1000 Introduction to Judaism (3-0-3)

Brief survey in one term of the material covered in 1001, 1002.

1001, 1002 Introduction to Judaism (3-0-3)

Basic Jewish concepts; analysis of the fundamental principles of Jewish legal history and thought.

1010 Jewish Civilization (3-0-3)

Integrated, interdisciplinary study of Jewish history, Jewish philosophy, and Jewish law.

1023; 1024 Jewish Legal Values and Concepts (3-0-3)

1200 through 1299 Jewish Liturgy

History, philosophy, and laws of Jewish prayer.

1201; 1202 (3-0-3)

History, order, and structure of the prayer book. For students on the intermediate level.

1203; 1204 (3-0-3)

Same as 1201; 1202. For students on the advanced level.

1210 (3-0-3)

The weekday service.

1215 (3-0-3)

The Sabbath service.

1220 (3-0-3)

The Festival services.

1350 Introduction to the Kabbalah (3-0-3)

Jewish mysticism; history and development of the Kabbalah; readings from the Zohar and related works on such topics as the Sefirot, Torah, the world, evil, and eschatology.

Prerequisite: one semester of Jewish Philosophy and sophomore status, or permission of the instructor.

1370 Hasidism (3-0-3)

A one-term survey of the material covered in 1371A, 1372A.

1371, 1372 Hasidism (3-0-3)

1371A, 1372A (2-0-2)

History and major concepts, with readings from and analysis of classical texts such as the Baal Shem Tov, R. Jacob Joseph of Polonnoye, the Maggid, the Tanya, R. Nahman of Bratzlav, and R. Levi Yitzhak of Berdichev.

1381 Mussar (3-0-3)

The primacy of ethical conduct and the process of shaping the ethical personality in Judaism, as viewed through the prism of the various personalities and schools of the Mussar Movement; primary and secondary sources are used. For students on the advanced level in Jewish studies.

1400-1499 Jewish Laws and Customs

Jewish laws, customs, and concepts, their history and development:

1401, 1402 (3-0-3)

Introduction to sources, texts, terms, and basic concepts of Jewish law.

1424 (3-0-3)

Visiting the sick and mourning.

1431 (3-0-3)

Kashrut—for students on the elementary level.

1433 (3-0-3)

Kashrut—for students on the intermediate level.

1435 (3-0-3)

Kashrut—for students on the advanced level.

1440 (3-0-3)

Home and family—for students on the beginning level.

1441 (3-0-3)

Home and family—for students on the intermediate level.

1443, 1444 (3-0-3)

Home and family—for students on the advanced level.

1444A (2-0-2)

Family Law (Hilchot Niddah); Jewish family purity sources—for students on the advanced level.

1445, 1446 (3-0-3)

Women and Jewish law.

1449 (3-0-3)

Marriage: issues and laws relating to dating and marriage—for students on the advanced level.

1449A (2-0-2)

Dating and Marriage; issues and laws for students on the advanced level.

1451 (3-0-3)

The Sabbath—for students on the elementary level.

1453, 1454 (3-0-3)

The Sabbath—for students on the intermediate level.

**1455, 1456, 1457, 1458 (3-0-3)
1455A (2-0-2)**

The Sabbath—for students on the advanced level.

1461, 1462 (3-0-3)

The Festivals—for students on the elementary level.

1463, 1464 (3-0-3)

The Festivals—for students on the intermediate level.

1465, 1466, 1467, 1468 (3-0-3)

The Festivals—for students on the advanced level.

1470S through 1479S Sephardic Laws and Customs (2-0-2)

Laws and customs of major Sephardic communities as compared to those of Ashkenazic communities:

1471S

Origins and history of Sephardic minhagim.

1473S

The Sephardic life cycle.

1474S

Sephardic Sabbath and Festival minhagim.

1483 (3-0-3)

The Jewish life cycle: laws and customs of major ritual observances and ceremonies in Jewish life.

1489, 1490 (3-0-3)

Interpersonal relationships (such as ethics, charity, slander, revenge, usury).

1491 (3-0-3)

Topics in Jewish ethics—for students on the advanced level.

1492 (3-0-3)**1492A (2-0-2)**

Daily life in the home and synagogue: the laws and customs of Tefillin, Kriat Hatorah Betsibbur, Berakhot Rishonot, Berakhot Aharonot.

1493, 1494 (3-0-3)

Ideological issues—for students on the intermediate level.

1495, 1496 (3-0-3)

Ideological issues—for students on the advanced level.

1497, 1498 (3-0-3)

The Land.

1499 (3-0-3)

The structure of the Seudah.

1510 Development of Jewish Law (3-0-3)

One-term survey of the material covered in 1511A, 1512A.

1511A, 1512A Development of Jewish Law (2-0-2)

The halakhic process and the formulation of halakhic literature: from Biblical literature through

the Mishnah and Talmud; codification and responsa; survey of post-Talmudic literature.

1521; 1522 Introduction to Gaonic Literature (3-0-3)

First semester: background of the Gaon and his authority; institutions and movements in the Gaonic period; second semester: extensive reading in Gaonic literature, including She'iltot de R. Ahal, siddurim, Gaonic responsa. For students on the advanced level in Jewish studies.

1531; 1532; 1533; 1534 Readings in Maimonides (3-0-3)

Selections from the legal codes and commentaries of Maimonides; analysis of the legal methodology and philosophy of law emerging from his works. For students on the advanced level in Jewish studies.

1531A; 1532A; 1533A; 1534A

Same as 1531; 1532; 1533; 1534 but (2-0-2) and open to students on the intermediate level.

1561A; 1562A Mishnah Berurah (2-0-2)

Selections from the *Shulhan Arukh* with Mishnah Berurah commentary.

1571 through 1576 The Individual in Society (3-0-3)

Contemporary social and political problems such as ecology, poverty, welfare, and self-incrimination; emphasis on Jewish legal sources directly applicable to these issues.

Prerequisite: 6 credits in JUD courses.

1580 through 1589 Modern Jewish Problems

Analysis of halakhic problems which are currently of special interest; modern responsa literature and its historical background. For students on the advanced level in Jewish studies.

1580A (2-0-2)**1580B, 1581B (4-0-4)**

Survey covering several areas.

Prerequisite: 5 credits in JUD courses and permission of the instructor.

1582, 1583 (3-0-3)

Medical ethics.

1584 (3-0-3)

Legal problems in the State of Israel.

1585 (3-0-3)

Problems related to marriage and personal status.

1586 (3-0-3)

Impact of technology on laws of the Sabbath and Festivals.

1587 (3-0-3)

The Holocaust—life of the Jews under the Nazis: such problems as the value of human life and human dignity.

Prerequisite: permission of the instructor.

1591A Topics in Jewish Civil Law (2-0-2)

The following topics as treated in Jewish law: Eichmann defense (i.e., obedience to orders as a basis for exoneration from criminal responsibility); double jeopardy and entrapment in the attempt to control criminals; the obligation to prevent injury to other persons, and its limits.

Prerequisite: 6 credits in JUD courses.

1661 through 1666 Liturgical Music (2-0-2)**1661A through 1666A (1-0-1)**

Practical and structural aspects of Jewish music, ranging from basic music patterns (*nusah*) and cantillation to such specialized applications as Torah and Megillah readings; shofar blowing; workshops.

Prerequisite: permission of the Director, Philip and Sarah Belz School of Jewish Music.

1677S; 1678S Sephardic Liturgical Music (2-0-2)

Occidental and Oriental chants and cantillation; liturgy, music, and relevant background studies.

Prerequisite: permission of the Director, Philip and Sarah Belz School of Jewish Music.

1801A; 1802A History of Talmudic Literature (2-0-2)

First semester: history, structure, composition, and interrelationships of Tannaitic literature—Mishnah, Tosefta, and halakhic Midrashim; comprehension of its content in light of literary history; study of selected topics for illustrative purposes; second semester: the Palestinian and Babylonian Talmuds.

Prerequisite: junior or senior status.

1807; 1808 Mathematical and Scientific Concepts in the Talmud (3-0-3)

Analysis of Talmudic passages in light of modern mathematical and scientific ideas.

1820 through 1829 Mishnah

Text, with commentary of Bertinoro and other classical and modern commentators.

1821; 1822 (3-0-3)

Selections from Mishnah and commentaries: for students on the advanced level in Jewish studies.

1821A; 1822A (2-0-2)

Same as 1821; 1822 but open to students on the intermediate level.

1823B (4-0-4)

Tractate Berakhot: blessings and prayers.

1824A (2-0-2)

Tractate Megillah: Purim and related subjects.

1825A (2-0-2)

Tractate Pesachim: Passover.

1827A; 1828A (2-0-2)

Tractate Avot: moral and ethical teachings.

1835A, 1836A Beginner's Talmud (2-0-2)

Introduction to basic language and concepts of Mishnah and Gemara, for students on the beginner's level in Jewish studies.

1841; 1842 Introduction to Talmud (3-0-3)

Introduction to Talmudic text and commentaries. For students on the intermediate and advanced levels in Jewish studies.

1843; 1844; 1845; 1846 Selections from the Talmud (3-0-3)**1845B (4-0-4)**

Selected Talmudic texts with medieval and modern commentaries; emphasis on methodology; beit midrash method of small group study supplements lectures. For students on the advanced level in Jewish studies.

1851A, 1852A Selected Rabbinic Literature (2-0-2)

Selections from fundamental rabbinic texts such as *Ksot*, *Minhat Hinukh*, *Nesivot*, *Shev Shmatsa*. Topics are related to the Talmudic tractate under study that year.

Prerequisite: two years of Talmud.

1871; 1872 Selections from Midrash (3-0-3)

Readings from aggadic literature. For students on the advanced level in Jewish studies.

1940A Jewish Communal Service (2-0-2)

A practicum in working for a Jewish communal organization.

4901, 4902 Independent Study

For the description of this course, see page 28.

4911, 4912 Honors

For the description of this course, see page 28.

4931; 4932 Selected Topics (3-0-3)

4931A Judaism and Psychology
See JED 4931A.

LATIN

See **Classical Languages**

LIBRARY (LIB)**1001 Information Skills (1-0-1)**

Knowledge and skills needed to locate specific information in the library, as well as to find material for an assignment or term paper. Geared to curricular and personal interest.

MANAGEMENT (MAN)**1020 Principles of Management (3-0-3)**

The nature, functions, and responsibilities of management; various systems of managerial thought and decision making; formal and informal organization; systems concepts; organizational styles; control systems; organizational changes and adaptation.

Prerequisite: ACC 1002, ECO 1011; 1021.

3720 Business Policy (3-0-3)

Capstone course integrating courses in business; defines and analyzes the formulation and implementation of corporate objectives and strategies; uses cases and/or computer simulations to develop policy skills.

Prerequisite: Senior status in SSSB.

3780 Entrepreneurship (3-0-3)

New venture initiation and development; the practical approach to developing and implementing procedures and techniques for starting an enterprise. Class discussions based on readings and case studies.

Prerequisite: Senior status in SSSB.

MARKETING (MAR)**1001 Principles of Marketing (3-0-3)**

Marketing as a system of satisfying human wants; analysis of all levels, from producer to consumer; emphasis on planning for efficient use of marketing tools in the development and expansion of markets; principles, functions, and tools of marketing.

Prerequisite: ACC 1002, ECO 1011; 1021.

2501 Buyers' Behavior (3-0-3)

How and why people behave as buyers—either consumer or industrial. A conceptual understanding of buyer behavior, applying the principles to marketing management, and developing analytic capability in using behavioral research data and methodology.

Prerequisite: MAR 1001.

2621 Marketing Research (3-0-3)

Development of research design from problem formulation to analysis and submission of proposals, to management techniques such as: experimental design, sampling, statistical analysis, and reporting. Cases are used in the application of marketing research to a variety of marketing problems.

Prerequisite: MAR 1001, STB 1601.

3313 Advertising Management (3-0-3)

The practice of advertising as affected by relevant behavioral science and management science theory; the decision-making process regarding advertising objectives, copy selection, media selection, and budget setting.

Prerequisite: MAR 2501.

3321 Product Strategy (3-0-3)

Product strategy as part of the firm's overall strategy; management of product portfolio, product life cycles, pricing, promotion, introduction, positioning, improvements, and deletion.

Prerequisite: MAR 2621, 3313.

3341 International Marketing (3-0-3)

Issues involved in entering overseas markets and conducting marketing operations on a multinational scale; identification and evaluation of opportunities in overseas markets and adapting marketing strategies to these markets consistent with their unique environments.

Prerequisite: MAR 2621, 3313.

MATHEMATICS (MAT)

In this discipline, the first digit of the course number designates the following areas within the discipline:

- 1 = General, Finite, Calculus, and Analysis
- 2 = Algebraic Structures, Applied Mathematics
- 3 = Topology, Geometry, Foundations, Technical
- 4 = Special Courses

Courses in statistics are listed under STA and STB, page 83.

1020 Introduction to Finite Mathematics (3-0-3)

Elements of probability, methods of counting, and combinatorics; linear equations and inequalities; analytic geometry of lines and planes; vectors and matrices; applications to social and management sciences.

Prerequisite: two years of high school mathematics.

1160 Introduction to Elementary Functions (3-2-4)

Number systems, functions, equations, and inequalities; algebra of polynomials, exponentials, and logarithms; analytic geometry of lines and circles; vectors, trigonometry, and complex numbers.

Prerequisite: two years of high school mathematics and placement by examination.

1412, 1413 Calculus I, II (3-2-4)

First semester: limits, derivatives, and integrals; Fundamental Theorem of Calculus; differentiation and integration of polynomials; chain rule and derivatives of elementary algebraic and transcendental functions; applications to tangents, motion, area, and volume; curve sketching, maxima, and minima; simple differential equations; second semester: continuous and differentiable functions, mean value theorems, implicit functions, and related rates; methods of integration, area, moments, and volume; limits of sequences, indeterminate forms, improper integrals, and infinite series; parametric equations, arc length and curvature; polar coordinates.

Prerequisite: three years of high school mathematics and placement by examination, or MAT 1160.

1471, 1472 Honors Calculus I, II (4-0-4)

This course, covering the contents of MAT 1412, 1413 at a deeper level, is designed for students with superior preparation and ability.

Prerequisite: three years of high school mathematics with at least an 85% average, and placement by examination.

1481, 1482 Vector Calculus with Linear Algebra (4-0-4)

Review of selected topics in calculus of one variable; a unified introduction to linear algebra and multivariable calculus. This course includes the contents of MAT 2105 and 1510.

Prerequisite: MAT 1472 or four years of high school mathematics, including a course in calculus, with at least a 90% average, and placement by examination.

1510 Multivariable Calculus (3-0-3)**1510B (4-0-4)**

Limits and continuity in Euclidean spaces; partial derivatives, gradient, and chain rule; maxima and minima with constraints; multiple integrals, cylindrical and spherical coordinates; vector calculus; theorems of Green, Gauss, and Stokes.

Prerequisite: MAT 1413.

1520, 1521 Advanced Calculus I, II (3-0-3)

Real numbers; theorems on limits; continuous, differentiable, and integrable functions; sequences and series of functions; metric space methods, fixed points, existence theorems for differential equations; implicit function theorem.

Prerequisite: MAT 1510.

1540, 1541 Functions of a Complex Variable I, II (3-0-3)

Analytic functions, Cauchy-Riemann equations, Cauchy integral formula, residue theory, conformal mappings.

Prerequisite: MAT 1520 or 2601.

2105, 2106 Linear Algebra I, II (3-0-3)

Systems of linear equations, Gaussian elimination, and matrices; vectors in Euclidean space; linear mappings and matrix multiplication; vector spaces, linear independence, and bases; determinants; characteristic roots and vectors, Cayley-Hamilton theorem, and similar matrices; quadratic forms; spectral theory; multilinear functions.

Prerequisite: MAT 1412.

2215, 2216 Modern Algebra (3-0-3)

Basic concepts of modern abstract algebra: groups, rings, and fields, with illustrations and applications, particularly in elementary number

theory; some applications of the theory of fields to the theory of equations.

Prerequisite (with permission, corequisite): MAT 2105.

2601 Differential Equations (3-0-3)

Ordinary differential equations, with applications to problems in physics and geometry; linear systems of equations.

Prerequisite: MAT 1413.

3301, 3302, 3303, 3304 Topics in Modern Mathematics (3-0-3)

Selected subjects in analysis, algebra, geometry, and applied mathematics. Students may register for up to four semesters with permission of the senior professor.

Prerequisite: junior status and permission of the instructor.

(3610 Theory of Interest)

3810 Theory of Arithmetic (3-0-3)

The theoretical basis of elementary arithmetic; justification of familiar computational algorithms; central concepts of modern algebra: sets, construction of cardinal numbers, operations; order relation; integers, prime factorization; construction of rationals; role of notation; applications.

4901, 4902 Independent Study

For the description of this course, see page 28.

4911, 4912 Honors

For the description of this course, see page 28.

4931, 4932 Selected Topics (1-0-1)

Seminar in current problems and literature of mathematics.

Prerequisite: permission of the instructor.

4933, 4934 Problem Seminar (2-0-1)

Techniques for solving problems in mathematics. Recommended for all Mathematics majors and particularly for those who are preparing for the Putnam competition.

Prerequisite: permission of the instructor.

MUSIC (MUS)⁴⁸

Programs in the Philip and Sarah Belz Department of Music of Yeshiva College are supported and enriched through the generosity of the Benefactor.

In this discipline, the first digit of the course number designates the following areas within the discipline:

- 1 = Music Literature and History
- 2 = Music Theory
- 3 = Musical Performance
- 4 = Applied Studies

1111 The Sense of Music (3-0-3)

1111A The Sense of Music (3-0-2)

Developing insight into the art of music through guided listening experiences which aim to develop aural perception, a historical perspective, an awareness of the formal processes of music, and some critical bases for esthetic discrimination; emphasis on the cultivation of helpful listening habits. No previous training in music is required.

1341 Music from Antiquity through the Baroque (2-0-2)

Evolution of the forms and practices of Western music during the medieval and Renaissance eras; the development of forms and practices during the Baroque era, emphasizing the works of Bach, Monteverdi, Purcell, Handel, and Scarlatti.

Prerequisite: MUS 1111 or 1111A.

1361 Music in the Classical and Romantic Eras (2-0-2)

Music and musical practices in the 18th and 19th centuries, centering on the development of tonality and its major forms: opera, concerto, sonata, symphony, fugue; emphasis on the works of Haydn, Mozart, Beethoven, Chopin, Berlioz, Liszt, Wagner, and Brahms.

Prerequisite: MUS 1111 or 1111A.

1371 Music in the 20th Century (2-0-2)

1371B (3-0-3)

Musical development from the close of the 19th century to the present, centering on the development of atonality and serial composition; emphasis on the works of Wagner, Debussy, Stravinsky, Bartok, Schoenberg, Berg, Webern, Varese, Wolpe, and Babbitt.

Prerequisite: MUS 1111 or 1111A.

1381 Survey of American Music (2-0-2)

Musical trends in the United States, particularly during the 20th century; development of jazz; relation of jazz to other music, particularly to the works of 20th century American composers.

Prerequisite: MUS 1111 or 1111A, or permission of the instructor.

(1661 Survey of Operatic Literature)

1931, 1932 Musicology (2-0-2)⁴⁹

1931A, 1932A (1-0-1)

1931B, 1932B (3-0-3)

Historical and theoretical investigation and analysis of specific types of music. Fee on an individual basis, dependent on extent and nature of services provided; minimum is \$150 a semester.

Prerequisite: permission of the instructor.

2111, 2112 Elementary Harmony (2-0-2)

Structural foundations of music and their applications to the reading, sight singing, playing, writing and analysis of melodies, as well as to the writing and playing of simple chordal accompaniments and of four-part chorales; introduction to counterpoint. Some musical experience is desirable.

2111L, 2112L, Elementary Ear Training and Keyboard Skills (1-0-1)

Laboratory course designed to help students master the skills covered in MUS 2111, 2112. Emphasis on the development of relative pitch memory and recognition of interval, chord, and chord inversion. Students learn sight-singing from simple melodies and counterpoints, and practice elementary skills of chordal accompaniment at the keyboard.

Prerequisite or corequisite: MUS 1111. *Corequisite:* MUS 2111, 2112.

2113, 2114 Intermediate Harmony (2-0-2)

Harmonic constructs and their functions taught through ear training and analysis; writing, playing, and analysis of diatonic keyboard music and songs.

Prerequisite: MUS 2111, 2112 or permission of the instructor.

2113L, 2114L Intermediate Ear Training and Keyboard Skills (1-0-1)

Laboratory course designed to help students master the Schenkerian principles covered in MUS 2113, 2114. Keyboard practice in tonality's fundamental harmonic progression and its elaborations in all keys, major and minor; additional sight singing practice of more difficult intervals and rhythms.

Prerequisite: MUS 2111, 2112 and 2111L, 2112L, or permission of the instructor. *Corequisite:* MUS 2113, 2114.

2115, 2116 Advanced Harmony (2-0-2)

Harmonic practices of the 19th century: increased use of chromaticism taught through structural and chordal analysis of selected works and through the writing and improvisation of pieces in small forms; introduction to serial composition.

Prerequisite: MUS 2113, 2114.

2111B, 2112B Elementary Harmony (3-0-3)

2115B, 2116B Advanced Harmony (3-0-3)

Covers same material as 2111, 2112, 2113, 2114, 2115, 2116 in four semesters at 3 credits each instead of six semesters at 2 credits each.

2127, 2128 Advanced Theory and Composition (2-0-2)⁴⁹

2127A, 2128A (1-0-1)

2127B, 2128B (3-0-3)

Fee on an individual basis, dependent on extent and nature of services provided; minimum is \$150 a semester.

Prerequisite: permission of the instructor.

3303; 3304; 3305; 3306 Choral Ensemble (1-0-1)

Analysis and performance of choral music of various styles; principles of ensemble singing and group leading. No prior musical or vocal experience is required. Students may register for any four semesters in any order.

3461 through 3469 Musical Performance and Interpretation (2-0-2)

3461A through 3469A (1-0-1)

Music of selected composers rehearsed and analyzed to develop performance skills, an awareness of musical styles, and an approach to musical interpretation:

3461 through 3466 and 3461A through 3466A—classical chamber music (e.g., Bach, Schubert, Brahms).

3467 through 3469 and 3467A through 3469A—

⁴⁸ One to 3 credits a semester, but not more than a total of 9, may be transferred to Yeshiva College for courses in Jewish music taken at Philip and Sarah Belz School of Jewish Music of the Rabbi Isaac Elchanan Theological Seminary, an affiliate of Yeshiva University. No prior musical or vocal experience is required for many of these courses. Students choose the course(s) under the advisement of the Director of the School. Courses taken at the School may be applied toward completion of the Music major and minor requirements at Yeshiva College with permission of the senior professor.

⁴⁹ See footnote 50 on page 76.

jazz ensemble.

Prerequisite: ability to play a musical instrument or sing and to read music, and permission of the instructor.

4011 through 4016 Voice Culture (1-0-1)

Elements of voice training for singing and speaking; vocal physiology and hygiene; principles of song study; general instruction and individual attention.

Prerequisite: permission of the instructor.

4111; 4112; 4113; 4114 Applied Musical Studies (2-0-2)⁵⁰

4111A; 4112A; 4113A; 4114A (1-0-1)

4111B; 4112B; 4113B; 4114B (3-0-3)

Vocal or instrumental work arranged by the Music staff; literature, material, techniques. A maximum of 9 credits may be taken in such courses. Fee on an individual basis, dependent on extent and nature of services provided; minimum is \$225 a semester.

Prerequisite: Permission of the senior professor.

(The above courses replace 4901, 4902 found in other disciplines.)

4911, 4912 Honors

For the description of this course, see page 28.

PHILOSOPHY (PHI)

In this discipline, the first digit of the course number designates the following areas within the discipline:

- 1 = General Courses
- 2 = History of Philosophy
- 3 = Philosophy of Man and Society
- 4 = Special Courses

Courses in Jewish Philosophy are listed under JPH on page 71.

1010 Great Ideas of Philosophy (3-0-3)

Introduction to philosophic thought, with emphasis on ethics, political philosophy, theory of knowledge, and metaphysics.

1011 Introduction to Philosophy I (3-0-3)

Introduction to the problems of ethics, political and social philosophy, and esthetics.

1012 Introduction to Philosophy II (3-0-3)

Introduction to the problems of metaphysics, epistemology, philosophy of science, and philosophy of religion.

1100 Logic (3-0-3)

Methods and principles used in distinguishing correct from incorrect reasoning; the uses of language, traditional deductive logic, symbolic logic, and induction and scientific method.

⁵⁰ No more than 3 credits a semester may be taken in courses 1931, 1932, 2127, 2128, and 4111 through 4114; and a maximum of 12 credits in these courses may be applied to any degree. Courses transferred from Philip and Sarah Belz School of Jewish Music come within these limitations.

1130 Symbolic Logic (3-0-3)

The logic of predicates and relations, and the logic of identity and description; axiomatizations of the propositional calculus and the lower functional calculus.

Prerequisite: PHI 1100.

1220 Philosophy of Language (3-0-3)

Theories of meaning; the relation of meaning to reference; Quine's skepticism about translation; Krike's views on necessary truth; Grice's theory of vested intentions; Chomsky on innate ideas and universal grammar.

1320 Theories of the Mind (3-0-3)

Examination of rival conceptions of mind and self, and of differing explanatory models for human behavior.

1360 Theory of Knowledge (3-0-3)

Concepts of sense perception, memory, knowledge, and belief; principle of verifiability and problems of induction; emphasis on contemporary views.

Prerequisite: one semester of Philosophy.

1400 Philosophy of Science (3-0-3)

Fundamental conceptions of the empirical and mathematical sciences, such as explanation, law, theory, space, determinism, and reduction.

Prerequisite: one semester of Philosophy or one year of science or mathematics.

1550 Metaphysics (3-0-3)

Current metaphysical problems, with topics to be selected from the following: nature of metaphysical reasoning, problems of language and reference, mind-body problem, determinism and free will, causality, personal survival, and the philosophical concept of God.

Prerequisite: one semester of Philosophy.

1600 Ethics (3-0-3)

Fundamental moral problems such as the place of pleasure and happiness in the moral life, and the relation between individual interests and social obligations; readings from classical and contemporary works.

1621, 1622 Problems in Ethical Theory (3-0-3)

Intensive study and evaluation of specific ethical concepts and philosophical systems.

Prerequisite: PHI 1600.

1710 Religion and Philosophy (3-0-3)

Examination of differing conceptions of the role of reason in the religious life and of major philosophical arguments that focus on religious beliefs.

(1800 Philosophy of Art)

2170 Ancient and Medieval Philosophy (3-0-3)

From the Pre-Socratics to Thomas Aquinas, with emphasis on Plato, Aristotle, Augustine, and Aquinas.

2420 Modern Philosophy (3-0-3)

Continental rationalism and British empiricism, from Descartes to Kant.

2560 Philosophy in the 19th and 20th Centuries (3-0-3)

The chief contributions of Hegel, Schopenhauer, Nietzsche, Husserl, Dewey, Russell, and Ayer.

Prerequisite: PHI 2420.

2640 Contemporary Analytic Philosophy (3-0-3)

Philosophical analysis, logical positivism, and ordinary-language philosophy; representative selections from Russell, Moore, Wittgenstein, Ryle, Ayer, and J.L. Austin.

Prerequisite: one semester of Philosophy.

2650 Phenomenology and Existentialism (3-0-3)

Critical examination of these two related movements, with special attention to the works of Husserl, Heidegger, Sartre, and Jaspers

Prerequisite: PHI 2420.

3200 Classical Political Philosophy (3-0-3)

Theories of great political philosophers from Plato to Hegel; analysis of various interpretations of history, the nature of man, justice, liberty, and authority. (This course is the same as POL 1801.)

Prerequisite: one semester of Philosophy or POL 1001 or 1040.

3402 Philosophy of Law (3-0-3)

Fundamental questions about the nature and scope of law, grounds for legal obligation, and the justification of particular legal practices such as punishment.

4901, 4902 Independent Study

For the description of this course, see page 28.

4911, 4912 Honors

For the description of this course, see page 28.

4930 Selected Topics (3-0-3)

Special topics, issues, and movements in philosophy.

Prerequisite: one semester of Philosophy and permission of the instructor.

4931, 4932 Seminar (3-0-3)

Intensive analysis of a philosopher, a philosophic concept, or a philosophic movement.

Prerequisite: one semester of Philosophy and permission of the instructor.

PHYSICAL EDUCATION AND ATHLETICS (PED)

In this discipline, the first digit of the course number designates the following areas within the discipline:

- 1 = Object-Centered Land Activities
- 2 = Performance-Centered Activities
- 3 = Water Activities
- 4 = Educational Courses

Before registering for courses, students should consult the degree requirements of their school.

The courses listed below, unless otherwise specified, consist of instruction and practice in the skills and techniques of the sport, game, or activity. On the *Schedule of Courses*, if the course number ends in digits 1-5 the course is elementary; in 6-9, advanced. If the course number has no suffix, the course is (0-3-1); if the letter A is suffixed to the course number, it is (0-2-1/2). Except for 4001 and 4011, courses may be repeated for credit. In all 1/2-credit courses, the only grades assigned by the faculty are P or F; in all 1-credit courses (except 4001), the only grades assigned are A, P, or N.

1001 to 1009 Seasonal Sports**1111 to 1119 Bowling****1120 to 1129 Golf****1161 to 1169 Riflery****1321 to 1329 Volleyball****1341 to 1349 Tennis****1421 to 1429 Basketball****1511 to 1519 Soccer****2101 to 2109 Dance****2111 to 2119 Physical Fitness****2121 to 2129 Yoga****2311 to 2316 Track & Field****2317 to 2319 Cross-Country****2421 to 2429 Wrestling****2441 to 2449 Karate****2461 to 2469 Fencing****3101 to 3109 Swimming****4001 Hygiene (1-0-1)**

Principles of personal and community health.

4011 Critical Health Issues for Women (1/2-0-1/2)**4401 to 4409 Physical Education Fieldwork**

The practice of leadership in implementing rules of play, officiating, and group control at athletic contests.

4631 to 4639 Corrective Physical Education

Special prescribed exercises and activities for students who have handicaps or special medical problems.

PHYSICS (PHY)**1031R-1032R Introductory Physics—****Lectures (3-1-3)**

Non-calculus-based version of PHY 1041R-1042R.

Corequisite: PHY 1031L-1032L.**1031L-1032L Introductory Physics—****Laboratory (0-2-1)**

Non-calculus-based version of PHY 1041L-1042L.

Laboratory fee: \$20 per semester. *Corequisite:* PHY 1031R-1032R.**1041R-1042R General Physics—Lectures****(4-1-4)**

Introduction to particle and rigid-body mechanics, fluid mechanics, thermodynamics, and electromagnetism. (The added hour is a recitation.)

Prerequisite or corequisite: MAT 1412 or more advanced. *Corequisite:* PHY 1041L-1042L.**1041L-1042L General Physics—****Laboratory (0-2-1)**

Laboratory experiments designed to help the student master the principles covered in PHY 1041R-1042R.

Laboratory fee: \$20 per semester.*Corequisite:* PHY 1041R-1042R.**1120 Introduction to Modern Physics (3-0-3)**Elementary aspects of special and general relativity, quantum theory, and theory of particles and fields as manifested in quarks, elementary particles, nuclei, atoms, molecules, supernovae, quasars, pulsars, black holes, and the universe. *Prerequisite:* PHY 1041-1042 (R&L).**1221 Classical Mechanics (3-0-3)**

Particle motion in polar and spherical coordinate systems, central forces; variational calculus, Lagrange-Euler equations, undetermined multipliers; small coupled oscillations and normal

coordinates; Hamilton's equations, Poisson brackets.

Prerequisite: PHY 1041-1042 (R&L).**1221B Mechanics for Engineers I (4-0-4)**

Same as PHY 1221 with added material in mechanics designed specifically for Pre-Engineering majors.

Prerequisite: PHY 1041-1042 (R&L).**1222 Advanced Mechanics (3-0-3)**

Fourier series and Green's functions in the solution of one-dimensional driven damped harmonic oscillator; elementary tensor analysis, transformations on Cartesian to curvilinear coordinates, Jacobians, matrices; wave equation, vibrating string; relativistic mechanics.

Prerequisite: PHY 1041-1042 (R&L).**1222B Mechanics for Engineers II (4-0-4)**

Same as PHY 1222 with added material in mechanics designed specifically for Pre-Engineering majors.

Prerequisite: PHY 1041-1042 (R&L).**1321 Electromagnetic Theory (3-0-3)**

Vector calculus, Maxwell's equations in integral and differential form; electrostatics, Poisson's equation, variable separation, representations of three-dimensional rotation group, spherical harmonics, boundary value problems, Green's functions; magnetostatics; time-varying fields.

Prerequisite: PHY 1041-1042 (R&L).**1322 Classical Relativistic Field Theory****(3-0-3)**

Charged-particle and electromagnetic-field equations in relativistic notation; field transformation; energy momentum tensor; motion of charge in field, field of moving charges, electromagnetic radiation, radiation damping; electromagnetic waves; other relativistic fields.

Prerequisite: PHY 1041-1042 (R&L).**1510 Elements of Kinetic Theory and****Thermodynamics (3-0-3)**

Equations of state, state variables, thermodynamic potentials, and laws of thermodynamics; probability and distribution functions, phase space, and fluctuations in kinetic theory.

Prerequisite: PHY 1041-1042 (R&L).**1621 Introduction to Quantum Mechanics****(3-0-3)**

Wave-particle duality; solutions of Schrodinger equation in one dimension for square well and barrier potential, harmonic oscillator, and rigid rotator with fixed axis; observables, expectation values, uncertainty relations; wave packets.

Prerequisite: PHY 1041-1042 (R&L).**1622 Advanced Quantum Theory (3-0-3)**

Perturbation theory, approximations; solution of Schrodinger equation for hydrogen atom; Pauli exclusion principle, electron spin; atomic spectroscopy.

Prerequisite: PHY 1621.**1724 Electronics (2-0-2)**

Thermionic and solid state devices and their use as detectors, amplifiers, oscillators, and electrometers; photoelectricity, cathode rays; excitation and ionization of gases by electrons and gas discharge phenomena.

Prerequisite: PHY 1041-1042 (R&L).**1801L, 1802L, 1803L Intermediate Laboratory****(0-4-2)**

Designed to prepare Physics majors for advanced laboratory work in electricity, electronics, magnetism, optics, and modern physics, at the same time providing non-Physics majors with a grounding in the techniques used in these areas; a varied choice of experiments.

Laboratory fee: \$20 per semester. *Prerequisite:* PHY 1041R-1042R.**2255R, 2256R Biophysics—Lectures (2-0-2)**

Thermodynamics of the body; pressure; hemodynamics; nerve cells; transmission of signals; electrocardiography; transport phenomena; diffusion; osmosis; radiation; production and use of x-rays; nuclear medicine; physics of the eye and ear; exponential growth and decay; statistics in measurements; instrumentation.

Prerequisite: PHY 1041-1042 (R&L) and BIO 1011C, 1012C.**2255L, 2256L Biophysics—Laboratory (0-2-1)**

Experiments to accompany the lectures.

Laboratory fee: \$20 per semester. *Corequisite:* PHY 2255R, 2256R.**2601, 2602 Special and General Relativity (3-0-3)**

Einstein's special and general theories of relativity; underlying physical and mathematical concepts; formulation of Einstein's theory of gravitation; mathematical structure, observational tests, exact and approximate methods of solution; problem of gravitational radiation; theory of motion of ponderable bodies.

Prerequisite: PHY 1221, 1222.**4901, 4902 Independent Study**

For the description of this course, see page 28.

4911, 4912 Honors

For the description of this course, see page 28.

POLITICAL SCIENCE (POL)**1001 Fundamentals of Political Science****(3-0-3)**

Meaning, principles, and major fields of political science; development of the state; civil and political rights; law and the judicial process; theories of state functions, such as socialism, fascism, communism, and democracy; relations among states.

1040 American Government and Politics**(3-0-3)**

Major institutions and functions of the national government; relationship of political elites, minority groups, political parties, and other groups to these institutions and their roles in shaping public policy.

1091 through 1099 Problems in Politics**(3-0-3)**

Seminar on specialized subtopics of American politics, area studies, political theory, or international relations. Course may be repeated, since topics vary each semester. Recent topics have included: comparative human rights, terrorism, ethnic politics, the American Presidency, American defense policy.

1100 State and Urban Politics (3-0-3)

Role of state and local governments in the federal system and their functions; role of parties, bosses, elites, racial and religious minorities, and

social classes in shaping government policy.
Prerequisite: POL 1001 or 1040.

1310 Area Studies: Western Europe (3-0-3)
European political systems; comparative study of the constitutional documents, governmental structures, political parties and processes of Great Britain, France, the Federal Republic of Germany, and Italy.
Prerequisite: POL 1001 or 1040.

1320 Area Studies: Developing States (3-0-3)
Governmental structures and political parties and processes of selected African, Asian, and Latin American states; emphasis on underlying historical and socioeconomic facts that appear to influence political institutions and behavior in those areas.
Prerequisite: POL 1001 or 1040.

1340 Area Studies: The Middle East (3-0-3)
Political history and governmental structures of Turkey, Iran, Pakistan, Syria, Lebanon, Israel, Jordan, Saudi Arabia, Egypt, and the "Maghreb" countries; socioeconomic problems of the area; legacy of Western colonialism; rise of Zionism and Arab nationalism; impact of World War II and Communist imperialism.
Prerequisite: POL 1001 or 1040.

1364 Area Studies: The Soviet Union (3-0-3)
Political heritage of the Soviet Union, particularly the Tsarist autocracy; evolution of Marxism-Leninism; origin of the Soviets; the Communist Party and the Third International; administrative apparatus and the "planned" economy; social structure and the "cult of personality"; recent changes; Soviet federalism and nationality problems; Soviet foreign policy.
Prerequisite: POL 1001 or 1040.

1441 Parties and Political Behavior (3-0-3)
American political parties; history, organization, functions, and sources of support; relationship between parties and pressure groups, and the influence both have on government policy; examination of certain foreign political parties.
Prerequisite: POL 1001 or 1040.

1460 American Presidency (3-0-3)
The selection of a President, problems of succession, transfer of power, relationships with Congress and courts, control of the bureaucracy; powers of the President in domestic and foreign affairs; Presidential character and personality; essential problems of power and leadership.
Prerequisite: POL 1040.

1503 International Politics (3-0-3)
The nation-state system since World War I (national power, national interest, foreign policy formulation); the development of international relations from the League of Nations to the United Nations and present regional systems; East-West relations; impact of modern weaponry.
Prerequisite: POL 1001 or 1040.

1510 American Foreign Policy (3-0-3)
How American foreign policy is made and implemented; the interrelationship of foreign and domestic policies; the military-industrial complex; the media; myths and realities of assumptions and objectives of the foreign policy of the United States.
Prerequisite: POL 1001 or 1040. For historical

background, take HIS 2510.

1540 International Law and Organization (3-0-3)
The development of principles of public law governing the relations of states, and analysis of these principles; problem of individual responsibility; role of diplomacy, international organizations, and international tribunals; review of selected international law cases.
Prerequisite: POL 1001 or 1040.

1600 American Constitutional Law (3-0-3)
The Constitution of the United States as developed primarily by judicial interpretation; role of the judiciary in the political process.
Prerequisite: POL 1040 or permission of the instructor.

1650 Civil Liberties (3-0-3)
The freedoms of speech, press, and religion, the right to privacy, and the new equal protection as developed primarily through judicial interpretation.
Prerequisite: POL 1040 or permission of the instructor. *Recommended:* POL 1600.

1700 Scope and Methods of Political Science (3-0-3)
Seminar exploring the theoretical foundations of political science. Review and critique of various analytical models in the study of political phenomena; construction and appraisal of research designs.
Prerequisite: 12 credits in POL courses, including 1001, 1040, and 1310.

1801 Classical Political Philosophy (3-0-3)
Theories of great political philosophers from Plato to Hegel; analysis of various interpretations of history, the nature of man, justice, liberty, and authority. (This course is the same as PHI 3200.)
Prerequisite: one semester of Philosophy or POL 1001 or 1040.

1802 Contemporary Political Ideologies (3-0-3)
Key ideologies since the end of the 19th century, such as the revision of liberalism, offshoots of Marxism, the "new left," "black power," and present-day conservatism.
Prerequisite: POL 1001 or 1040.

1862 American Political and Legal Thought (3-0-3)
Analysis of tensions and harmonies among ideas constituting the American political orientation and experience; development of American jurisprudence.
Prerequisite: POL 1001 or 1040.

1900 Public Administration (3-0-3)
Government administration, with emphasis on American national government; public bureaucracy and the politics of administration; contemporary theory of organization.
Prerequisite: POL 1040.

4901, 4902 Independent Study
For the description of this course, see page 28.

4911, 4912 Honors
For the description of this course, see page 28.

PSYCHOLOGY (PSY)

In this discipline, the first digit of the course number designates the following areas within the discipline:

- 1 = General and Developmental
- 2 = Experimental and Clinical
- 3 = All Other
- 4 = Special

Qualified upperclassmen may receive permission to take courses at Ferkauf Graduate School of Psychology.

1011 Introductory: Biological Aspects (3-0-3)
Basic facts and theories of a science of behavior: biological foundation, history, sensation and perception, conditioning and learning.

1012 Introductory: Personality and Social (3-0-3)
Personality, social behavior, intelligence, cognition and language, testing, deviant behavior; applications to the fields of psychology.

1110 Developmental I: Child (3-0-3)
Biological, psychological, and social factors which enter into the development of children from birth to pre-adolescence; correlations between childhood development and formation of adulthood personality.
Prerequisite: PSY 1011 or 1012.

1113 Development of Language (3-0-3)
The nature of language and its development; phonology, syntax and morphology, reading; focus on processes and course of normal development; pathological groups such as the deaf; language as a cognitive and communicative system.
Prerequisite: PSY 1011 or 1012.

1120 Psychology of Exceptional Children (3-0-3)
Experience and behavior of exceptional children, including the gifted as well as the intellectually, emotionally, and physically handicapped.
Prerequisite: PSY 1011 or 1012; and 1110.

1124 Learning Disabilities (3-0-3)
Serious learning problems of elementary school children, minimal brain dysfunction, brain damage, dyslexia, language disorders, and similar conditions; their psychological, educational, and medical aspects; diagnostic and remedial practices. For Psychology and Education majors.
Prerequisite: PSY 1011.

1130 Developmental II (3-0-3)
Processes and problems of adolescence, adulthood, and old age; personality development in its relationship to cultural patterns.
Prerequisite: PSY 1011 or 1012; and 1110.

1150 Psychology of Language (3-0-3)
Language comprehension, production; speech perception; critical examination of linguistic theory, theories of language learning, language as a perceptual and cognitive process, brain mechanisms, reading, and language disorders.
Prerequisite: PSY 1011 or 1012.

1301 Psychological Tests and Measurements (3-0-3)
Theory and method of measuring human behavior; construction and evaluation of tests of ability.

ties, aptitudes, achievement, attitudes, and adjustment; ethical issues in testing.
Prerequisite: PSY 1011 or 1012; at YC, also STA 1021 as prerequisite or corequisite.

1601 Theories and Systems (3-0-3)

Theory and theory construction in psychology; constructs and models; major theories and present state of theory and systematic orientations.
Prerequisite: PSY 1012 (or 1011 at SCW).

1602 Historical Perspectives (3-0-3)

Theoretical and methodological problems of present psychology; case histories tracing the development of research from origins to contemporary status in such fields as psychophysics, biological foundations, perception, learning, personality, and social psychology.
Prerequisite: PSY 1601.

2100C Experimental Psychology (2-3-4)

Training in the problems, methods, and evaluation of experimental research in psychology. Students perform individual experiments, prepare reports of results, and are introduced to the literature of experimental psychology.
Laboratory fee: \$20 per semester. *Prerequisite:* PSY 1011 or 1012. *Recommended:* STA 1021.

2101C, 2102C Advanced Experimental Psychology(1-3-3)

Chief problems, methods, and results of experimental psychology, representative experiments on animals and humans carried out and evaluated in light of modern theory.
Laboratory fee: \$20 per semester. *Prerequisite:* PSY 1011 or 1012.
Prerequisite or corequisite: STA 1021

2110 Sensory Psychology (3-0-3)

The senses and their fundamental role in the regulation of behavior; systematic treatment of vision, audition, and the other senses, with some application to human engineering.
Prerequisite: PSY 1011 or 1012.

2111 Perception (3-0-3)

Personality, social, and biological aspects of perception considered in both normal and abnormal individuals; emphasis on perceptual changes in mentally ill, learning disabled, and brain-injured individuals.
Prerequisite: PSY 1011.

(2140 Learning)

2150 Cognitive Psychology (3-0-3)

Memory: theory, structure, processes; thinking: information processing, processes, problem solving.
Prerequisite: PSY 1011.

(2153 Mind, Language, and Consciousness)

(2154 Motivation)

2164 Sociology of Language (3-0-3)

Societal factors that influence language use and lead to speaking or writing differently to the same and to different interlocutors, on the basis of demographic, situational, and metaphorical considerations; monolingual and multilingual networks in traditional and modern contexts; language relativism.
Prerequisite: PSY 1011 or 1012 or SOC 1001.

2400 Psychology of Adjustment (3-0-3)

Various psychological mechanisms used by individuals to resolve conflicts and to adjust to their situations, with illustrative case histories including personal and educational references.
Prerequisite: PSY 1011 or 1012.

2401 Childhood Disorders (2-0-2)

Abnormal behavior in children; mental subnormality, reactive and neurotic disorders, psychoses, neurologic disturbances, disorders related to organic dysfunction; implications for psychoeducational management.
Prerequisite: PSY 1011 or 1012, and 1110 (3800 is strongly recommended).

2414 Abnormal (3-0-3)

Theories and research into causes and treatment of neuroses, psychoses, and deviant behavior; diagnosis; systems of individual and group psychotherapy.
Prerequisite: PSY 1011 or 1012; and 3800.
Recommended: STA 1021.

2430 Introduction to Clinical Psychology (2-0-2)

2430B (3-0-3)
History and background of clinical psychology; current research; functions and responsibilities of the clinical psychologist and related mental health personnel; introduction to diagnosis and psychotherapy; ethics of the profession.
Prerequisite: PSY 1011 or 1012; and 2414, 3800.

3100 Comparative Psychology (3-0-3)

Evolution of behavior: a comparative study of growth and development of behavior in animals.
Prerequisite: PSY 1011 or 1012.

3105 Social Psychology (3-0-3)

Dynamic study of social behavior; social learning, interpersonal attraction, aggression, attitudes, conformity, and social influence processes.
Prerequisite: PSY 1012.

(3121C Experimental Social Psychology)

(3174 Psychology of Women)

3400 Educational Psychology (3-0-3)

Application of principles of learning, motivation, and measurement to education. Offered at Yeshiva College; same as EDU 1210 at Stern College.
Prerequisite: PSY 1011 or 1012.

3410 Applied Psychology (3-0-3)

Various areas in which principles of psychology have practical application: industry, business, education, advertising, communication; mass media and their effect on the individual.
Prerequisite: PSY 1011 or 1012.

3411 Forensic Psychology (3-0-3)

Role of psychology in the legal system; child welfare, criminal justice, personal liability issues; role of the psychologist as an expert witness.
Prerequisite: PSY 1011, 1012, 3800, and either 1301 or 2414 or 2430.

3430 Industrial and Organizational Psychology (3-0-3)

Theory and practice of behavioral science in industry and business settings: selection techniques, merit rating, employee counseling; attitudes and morale; training, leadership, and job evaluation; time and motion studies; human

ecology.

Prerequisite: PSY 1011 or 1012.

3800 Personality (3-0-3)

Structure and dynamics of normal and abnormal personality development, including psychoanalytic and social learning approaches; clinical diagnostic tests and procedures are discussed.
Prerequisite: PSY 1011 or 1012.

3804 Psychobiology (3-0-3)

Mind and body; the nervous system and endocrine glands in their relations to psychological processes; physiological basis of perception, motivation, emotions, and learning.
Prerequisite: PSY 1011.

3850 Developmental Psychobiology (3-0-3)

Human development from a biological perspective. Behavioral genetics, ethology, the relationship between the developing nervous system and sensory, perceptual, and cognitive changes; biological origins of behavioral dysfunction.
Prerequisite: PSY 1011 and either 1110 or 3804.

4901, 4902 Independent Study

For the description of this course, see page 28.

4911, 4912 Honors Work

For the description of this course, see page 28.

4931; 4932 Problems in Psychology (3-0-3)

Seminars for majors involving extensive reading, discussion of several topics, and preparation of original papers; first semester: problems in personality, developmental, and applied psychology; second semester: problems in experimental psychology.
Prerequisite: senior status or permission of the instructor.

REGISTRARIAL (REG)

0900 through 0909 Leave of Absence (no credit)

These designations are used on the record of a student taking a leave of absence; see page 29.

0920 Bachelor's-Master's Program (no credit)

RUSSIAN (RUS)

1101-1102 Elementary Course (3-0-3)

Introduction to the Russian language. For students with less than two years of high school Russian. Emphasis on reading.

(1107-1108 Introduction to Scientific Russian)

2321 Classical Russian Drama (3-0-3)

History, theory, and generic antecedents of classical Russian drama through the late 18th century; analysis of individual classical plays of the 19th and early 20th centuries.

2372 Russian Short Fiction (3-0-3)

Short works of fiction by the most important Russian classical and 20th century authors.
Prerequisite: fluency in Russian.

SCIENCE (SCI)**1021C The Physical Universe (2-2-3)**

Interdisciplinary course for nonscience majors emphasizing astronomy, geology, and physics. Not open to students who have had any college course in physics.

Laboratory fee: \$20 per semester.

1022C The Universe of Life (2-2-3)

Elementary course in biology for nonscience majors. Not open to students who have had any college course in biology.

Laboratory fee: \$50 per semester.

1023C The Science of Chemistry (2-2-3)

Elementary course in chemistry for nonscience majors. Not open to students who have had any college course in chemistry.

Laboratory fee: \$35 per semester.

SEMITIC LANGUAGES (SEM)

In this discipline the first digit, 5, indicates that the course may be used for either undergraduate or graduate credit.

5111-5112 Elementary Arabic (3-0-3)

Introduction to the grammar and syntax of classical and modern literary Arabic.

5121-5122 Intermediate Arabic (3-0-3)

Selections from classical texts, with continued study of elements of Arabic grammar.

5311, 5312 Biblical Aramaic (3-0-3)**5311A, 5312B (2-0-2)**

Linguistic analysis of the Aramaic texts in the Bible.

5331, 5332 Aramaic of the Babylonian Talmud (3-0-3)**5331A, 5332A (2-0-2).**

The idiom of the Talmud Bavli.

SOCIAL SCIENCES (SSC)

These interdisciplinary courses may count toward majors in Economics, Political Science, Psychology, and Sociology.

1304 Methods of Social Research (3-0-3)

Application of the scientific method to social data; definitions, concepts, and hypotheses; research design; techniques of collection and analysis of data. No credit for both this course and SOC 1504.

Prerequisite: a basic course in ECO, POL, PSY, or SOC.

SOCIOLOGY (SOC)**1001 Introduction to Sociology (3-0-3)**

Introduction to basic concepts, theories, and findings of sociology.

1116 Sociology of Deviance (3-0-3)

Theories of deviance; social sources of deviance; analysis of selected social problems; means of coping with deviance.

Prerequisite: SOC 1001.

1158 Criminology (3-0-3)

Delinquent and criminal behavior in modern society; extent and patterns of such behavior; factors in criminality; treatment of criminals; prevention of crime.

Prerequisite: SOC 1001.

1202 Social Institutions (3-0-3)

Major social institutions—political, economic, religious, educational; public opinion and communication structures; ecology of modern communities.

Prerequisite: SOC 1001.

(1203 Physical Anthropology)**1204 Social Anthropology (3-0-3)**

The study of people in relation to their geographic and sociocultural environments. Cultural variations and adaptive strategies in a broad range of societies focusing on food-gathering, marriage and the family, kinship terminology, psychology, religion, recreation, and folklore. Emphasis on field research methods.

(1209 Introduction to Anthropology)**(1215 Sociology of Religion)****1232 Sociology of Health (3-0-3)**

Distribution of disease; trends in medical practice; politics of health care; the family and illness; social and ethical issues in health care (genetic engineering, personal and medical drug use, antipsychiatry movement); mutual aid, self-care, and the consumer movement in health care.

1233 Introduction to Public Health (3-0-3)

History and philosophy of public health; socioeconomics of health care delivery and administration; management and planning of health care programs.

1236 Epidemiology (3-0-3)

Distribution of disease and determinants of its frequency; history of epidemiological thinking, concept of cause, sources of data, design of epidemiological studies.

Prerequisite: SOC 1001, 1233.

(1242 Community and Social Psychiatry)**1262 Industrial Sociology (3-0-3)**

Intensive analysis of formal organization of industry; comparative study of industrial and non-industrial organizations; relationship between industrial institutions and social structure in different societies.

Prerequisite: SOC 1001.

(1283 Sociology of Education)**1311 Urban Sociology (3-0-3)**

Rise of the city, suburb, and metropolis; composition, structure, and culture of urban society; contemporary problems of the city.

Prerequisite: SOC 1001.

1402 Social Organization (3-0-3)

Social structure and dynamics; analysis of selected institutions and processes.

Prerequisite: SOC 1001.

1413 Social Classes (3-0-3)

Concepts of social stratification and social classes; theories of social stratification; measures of social class; social mobility.

Prerequisite: SOC 1001.

1436 Social Movements (3-0-3)

Theoretical perspectives appropriate to the analysis of political, religious, and cultural movements; case studies of various social movements, as selected by the students.

Prerequisite: SOC 1001.

1480 Introduction to Social Work**(1½-fieldwork-3)**

Overview of the social work profession; social welfare programs and methods of social work practice. Fieldwork consists of three hours a week of practicum under close supervision.

1504 Methods of Sociological Research (3-0-3)

Application of the scientific method to social data; definitions, concepts, and hypotheses; research design; techniques of collection and analysis of data. No credit for both this course and SSC 1304.

Prerequisite: SOC 1001.

1643; 1644 Sociological Theories I; II (3-0-3)

First semester: analysis and evaluation of the major sociological theories of the 19th and early 20th centuries, including Durkheim, Weber, and Mead; second semester: leading 20th century sociological theories and concepts; review and analysis of the work of Becker, Goffman, Merton and Parsons.

Prerequisite: SOC 1001.

1730 Jews in America (3-0-3)

Same as 1731; 1732 but taught in one semester.

1731; 1732 Jews in America I; II (3-0-3)

First semester: demographic, socioeconomic, and religious characteristics; group membership; self-segregation, acculturation, assimilation; values; second semester: the Jewish community—religious, philanthropic, educational, and social institutions; Jewish political behavior and group interest; Jews in relation to other groups in American society.

1746 Ethnic Groups in the United States (3-0-3)

Nature of ethnic and minority groups; acculturation and assimilation in the United States; relation of ethnic groups to the institutions of the dominant society; nature and causes of prejudice and discrimination.

Prerequisite: SOC 1001.

(1757 Race and Culture)**1848 Culture and Personality (3-0-3)**

The concept of culture and the relationship between personality and social structure in various cultures; breakdown of personality under conditions of cultural disorganization; formation of national character.

Prerequisite: SOC 1001 or PSY 1012.

(1931 Sociology of Language)**1934 Public Opinion (3-0-3)**

Public opinion in modern society; social distribution of knowledge; pseudoevents and pseudoinformation; public opinion and democracy; personal influence; communication and persuasion; propaganda; political participation and the mass media; the pollster.

2110 Demography (3-0-3)

Population trends in relation to resources; changes in birth and death rates; span of life and morbidity; social and other causes and effects of these changes; immigration; population policies and theories; collection, analysis, and interpretation of demographic data.

Prerequisite: SOC 1001.

2210 The Family (3-0-3)

Historical backgrounds and family types; changes in the functions of the family; marital adjustment and intrafamily relationships; broken homes; psychological and sociological significance of the family; the family and the development of personality; brief history of the American family.

Prerequisite: SOC 1001.

4901, 4902 Independent Study

For the description of this course, see page 28.

4911, 4912 Honors

For the description of this course, see page 28.

4931; 4932 Seminar in Sociology (3-0-3)

Seminar for majors involving extensive reading, discussion of current issues and problems in sociology, and preparation of papers.

Prerequisite: senior status or permission of the instructor.

SPANISH (SPA)**1101-1102 Elementary Course (3-0-3)**

Essentials of grammar, conversation, comprehension, reading, translation. No credit if taken after two or more years of high school Spanish.

1120 Elementary Spanish—Concentrated (3-0-3)

Accelerated course covering the basics of first-year elementary Spanish in one semester. For students whose background prevents their taking SPA 1101-1102, but is insufficient for 1201, 1202.

1201-1202 Intermediate Course (3-0-3)

Review of grammar; composition, conversation; culture; reading and analysis of literary selections. No credit if taken after four years of high school Spanish.

Prerequisite: SPA 1102 or two years of high school Spanish.

2022; 2023 Masterpieces of Spanish-American Literature (3-0-3)

Major literary works of Spanish America.

Prerequisite: SPA 1202 or four years of high school Spanish.

2101; 2102 Masterpieces of Spanish Literature (3-0-3)

Detailed studies of the major literary works of Spain.

Prerequisite: SPA 1202 or four years of high school Spanish.

2113; 2114 Survey of Spanish Literature (3-0-3)

Spanish literature from its beginnings to the present, with selections from the major literary works, analysis, and discussion.

Prerequisite: native or near-native fluency in Spanish.

2131; 2132 Survey of Spanish-American Literature (3-0-3)

Major literary works of Spanish America.

Prerequisite: native or near-native fluency in Spanish.

SPEECH AND DRAMA (SPE)

In this discipline, the first digit of the course number designates the following areas within the discipline:

- 0 = Developmental Courses
- 1 = Speech Communication
- 2 = Theater Arts
- 3 = Speech Pathology and Audiology
- 4 = Other Areas

During the period covered by this Catalog, it is anticipated that the following courses will be offered only at Yeshiva College: SPE 4835 through 4838, and the following only at Stern College: SPE 3000 through 3999.

0001 Speech Workshop (by appointment, no credit)

Designed to help the student to develop proper voice and speech patterns under personalized instruction. Students in this course are graded P (= pass) or R (= repeat).

1010 Speech Communication (3-conferences-3)**1010A (3-0-2)**

Effective informal and formal address: public speaking, debate, discussion; logical organization, psychological motivation, precise vocabulary, clear and pleasant vocal patterns; application of sound rhetoric, semantics, and phonetics to the communication of good ideas; thinking on one's feet; group dynamics, speech arts.

1020 Group Discussion (2-0-2)**1020B (3-0-3)**

Communication in small groups for information sharing, problem solving, and negotiation; focus on the task group; theory and techniques vital to the dynamics of interaction, barriers to communication, management of conflict, and methods of reaching consensus; participation in symposium, panel discussion, and negotiation; experience with parliamentary procedure. Develops capacity for constructive interaction and leadership techniques. Useful for law, medicine business, and professions, as well as societies, clubs, and other personal social roles.

Prerequisite: SPE 1010.

1030 Voice and Diction (2-0-2)

Designed to help the student attain a high standard of American speech, unmarred by dialect or foreign accent; improvement in diction, articulation, pronunciation, intonation, and vocal use and projection; effective speech patterns for public speaking, theatre, pulpit; guided practice, criticism, and experience.

Prerequisite: SPE 1010.

1300 Interpersonal Communication (3-conferences-3)

Verbal and nonverbal elements of interpersonal communication, such as interviews. Particularly useful for those intending to enter business.

Prerequisite: SPE 1010.

1510, 1511 Persuasion and Debate (2-0-2)

Analysis of controversy to discover its intrinsic and vital issues; beliefs presented through logical proofs and ethical emotional appeals; participation in decision-making discussion groups and debate. Particularly useful for those intending to become lawyers.

Prerequisite: SPE 1010.

1608 Advanced Public Speaking (2-0-2)

Theory and techniques of presenting speeches and eliciting specific audience response; intellectual integrity and ethics of emotional appeals; preparation of speeches (eulogies, introductions, exposés, critical reviews, calls-to-action) to enable the student to gain proficiency in areas related to professional goals (e.g., law and business).

Prerequisite: SPE 1010.

1661; 1662 Great Speakers and Speeches (2-0-2)

First semester: classical antiquity; second semester: modern times. Techniques of great orators and speeches; rhetorical theory and training. Students analyze and deliver famous speeches of their choice.

Prerequisite: SPE 1010.

2031 Theater Workshop (0-2-1)

Applied theatrical techniques and dramatic methods, including makeup, costuming, lighting, set design and construction, role interpretation and acting, based on experience in preparing and participating in a Dramatics Society production. May be taken a maximum of four times for credit. May not be taken by a student whose college program exceeds 17 credits that semester.

Prerequisite: permission of the instructor.

2090 Play Production (2-0-2)

Technical areas of play production; function of theater technicians and management; use of stage through lights, set design, costume design, actors and directors; problems of play selection; producing and publicity; role interpretation and acting; theatrical and dramatic analysis of selected plays; practical experiences in classroom and Dramatics Society production.

2113; 2114 Theater Arts (3-0-3)

Survey of historical movements in the theater and their relationship to the contemporary theater; technique, development, and innovation in drama, analyzed from the viewpoint of dramatic structure and production. The class will attend several professional productions.

Prerequisite: SPE 1010.

2910, 2911 Art of the Actor (3-0-3)

Study and development of the power and skills of interpretation necessary for the actor to reflect the ideas of the playwright in various media—legitimate theater, television, radio, and cinema. Students identify the essential characteristics and solve the problems of acting in these media.

Prerequisite: SPE 1010 and permission of the instructor.

2930 Techniques of the Director (3-0-3)

Theoretical and practical bases for understanding what the potential artistic director must do in preparation and rehearsal of a theatrical production to evoke the ideas, themes, and values of the playwright; working rehearsals in class to clarify acting, stagecraft, lighting, costuming, makeup, music, and movement for the stage.
Prerequisite: SPE 1010 and permission of the instructor.

2961; 2962 Play-Scenario Writing (2-0-2)

Playwriting for the theater, cinema, and television in traditional, contemporary, and experimental forms; discovering dramatic subject matter; developing the scenario; plot construction (exposition, conflict, crisis, climax, scenes of resolution); creating and developing characters; dialogue; author and theatrical production; theater, radio, television, and motion picture scripts.
Prerequisite: SPE 1010.

3011; 3012 The Speech Mechanism; The Hearing Mechanism (3-0-3)

Anatomy, physiology, and neurology of the speech and hearing mechanisms; normal and abnormal development and function considered in relation to normal and abnormal speech, language, and hearing performance.
Prerequisite or corequisite: PSY 1011 or BIO 1011C.

3015 Introduction to Speech Science (3-0-3)

Acoustical components of speech and their physiological correlates; information-bearing elements in the speech signal and their perceptual processing. Laboratory component and fee.
Prerequisite: SPE 3011 and 3112.

3024 Speech Pathology in Adults (3-0-3)

Language and speech disorders of adults; normal development; organic, neurological, and psychological conditions underlying disorders; diagnostic and treatment methods; field trips.
Prerequisite: PSY 1150 and SPE 3112.

3025 Speech Pathology in Children (3-0-3)

Speech and language disorders of children—causes and treatment; field trips.
Prerequisite or corequisite: PSY 1150 and SPE 3112.

3033 Audiology I (3-0-3)

Screening audiometry; pure tone air- and bone-conduction threshold measurement; speech audiometry; clinical aspects of masking; impedance testing; pediatric audiometry.
Prerequisite: SPE 3012.

3034 Audiology II (3-0-3)

Diagnostic aspects of audiology stressing site-of-lesion testing, evaluation of vestibular function, advanced speech audiometry, central testing, non-organic hearing loss; industrial audiology.
Prerequisite: SPE 3033.

3112 Phonetics (3-0-3)

Analysis of American English speech sounds and their variations; articulatory and physiological aspects of phonetics; acoustic phonetics and perceptual phonetics; phonetic transcription, using the International Phonetic Alphabet.

3320 Aural Rehabilitation (3-0-3)

Use of amplification, auditory training, and speech reading for the hearing-impaired; special problems of the pediatric and geriatric populations.

Prerequisite: SPE 3033.

3331; 3332 American Sign Language I, II (2-0-2)

Basic instruction and practice in sign language as used by the hearing impaired and as an augmentative system to facilitate communication for other communicatively handicapped individuals.

3940 Clinical Observation in Communication Disorders (1-30 hours-2)

Students observe speech and language evaluations, audiological evaluations, and therapy, at community speech and hearing clinics.
Prerequisite: SPE 3024 and 3033.

3941 Speech Pathology (1-3-2)

Supervised clinical practice in diagnosis and therapy of language and speech disorders.
Prerequisite: SPE 3024, 3025 and 3940.

3942 Clinical Practicum in Audiology (1-3-2)

Supervised clinical practice in evaluation of hearing disorders.
Prerequisite: SPE 3034, 3940.

4001, 4002 Oral Interpretation of Literature (3-0-3)

4001A, 4002A (2-0-2)
Development of improved vocal and interpretation skills for the oral communication of literature; analysis and performance of prose, poetry, and drama selections; radio and television techniques for reading literature and copy.
Prerequisite: SPE 1010.

4210 Storytelling Workshop (1-0-1)

The art of storytelling and the oral tradition. Students are introduced to familiar story themes, develop critical judgment in choosing material, and practice storytelling techniques and skills.
Prerequisite: SPE 1010.

4640 Foundations of Communication Theory (3-0-3)

Theories of communication analyzed (general systems, transactional, manipulative, organization) and applied to problem situations in education, business, and personal life. Students conduct a study of a current problem that they feel can be solved through a media campaign, and report on the project and its results.
Prerequisite: SPE 1010.

4700 Mass Media in Western Civilization (3-0-3)

Historical development of the various print and electronic media and the impact of mass communications on society; legal and ethical issues in mass media, including the First Amendment; focus on contemporary trends. Not open to students who have taken ENG 4601.
Prerequisite: permission of the instructor.

4710 Broadcasting (3-0-3)

Historical development of the broadcasting industry; impact of radio, television and other electronic media on society; current issues and laws; First Amendment in relation to broadcasting; scope and operation of the communications network.

Prerequisite: SPE 1010.

4720 Radio Announcing (1-0-1)

Roles of the broadcaster (announcer, commentator, newscaster, disk jockey) in terms of theoretical communication concepts and practical techniques; class critiques of the student's programs broadcast on WYUR.
Prerequisite: SPE 1010.

4831; 4832 History of Film (3-0-3)

Survey of important currents in film history and esthetics from the 19th century to the present. The course will help students achieve visual literacy through an understanding of the rudiments of film grammar.
Laboratory fee: \$20 per semester.

4835 Filmmaking Techniques I (3-0-3)

Techniques that have produced modern cinematography. The class is divided into camera crews, and films are shot in class to explore these techniques. Each student makes a one-minute film as the final examination. Film and equipment are furnished for all films made in class: three per semester.
Laboratory fee: \$20 per semester.
Prerequisite: SPE 1010.

4836 Filmmaking Techniques II (3-0-3)

Symbolic uses of image, and sound with image; beginning animation. Crews are assigned and films shot in class. Each student makes a film as the final examination. Film and equipment are furnished for all films made in class.
Laboratory fee: \$20 per semester.
Prerequisite: SPE 1010.

4837 Film Criticism (3-0-3)

Styles and techniques of contemporary film criticism (film as art, "auteur," genre, popular art). Selected films are viewed for written criticism.
Laboratory fee: \$10 per semester.
Prerequisite: SPE 1010.
Recommended: SPE 4835, 4836.

4838 Visual Elements of Film (3-0-3)

Symbolic use of images (icon, index, symbol) and cinematic techniques that give narrative films visual power and meaning. Contemporary films are viewed and critically reviewed.
Laboratory fee: \$20 per semester.
Prerequisite: SPE 1010.

4850 Films of Hitchcock (3-0-3)

In-depth exploration of Alfred Hitchcock's film career; various methodologies including genre and auteurist approaches; fundamental issues in film history and esthetics, with Hitchcock's films as basis for investigation; screenings and discussions.
Laboratory fee: \$20 per semester.
Prerequisite: SPE 1010A.

4901, 4902 Independent Study

For the description of this course, see page 28.

4911, 4912 Honors

For the description of this course, see page 28.

STATISTICS (STA)**1021 Introduction to Statistics (3-0-3)**

Sources of data; descriptive statistics: data display, univariate measures of location and variability; basic probability, normal curve and its applications; correlation and regression; inferential procedures: sampling distributions, estimations, hypothesis testing.

1022 Statistical Methods (3-0-3)

Finite populations; statistical decision theory; chi-square; analysis of variance; time series; index numbers; nonparametric test; examples from the fields of biology, political science, psychology, and sociology.

Prerequisite: STA 1021.

1024 Statistical Methods (3-0-3)

Same as 1022, with examples from the field of economics. Credit is not given for both STA 1022 and 1024.

Prerequisite: STA 1021.

1320 Mathematical Statistics (3-0-3)

Application of probability theory to the classical parametric models: moment generating functions, chi-square and t distributions, Central Limit Theorem, sampling distributions, maximum likelihood and interval estimation, confidence intervals, hypothesis testing; nonparametric models; the Bayesian controversy.

Prerequisite: STA 1460.

1460 Probability Theory (3-0-3)

Discrete and continuous sample spaces; combinatorial analysis; density and distribution functions of random variables; expectation and variance; independence and conditional probability; Law of Large Numbers; Central Limit Theorem; generating functions; random walk and ruin problems.

Prerequisite: MAT 1510.

STATISTICS FOR BUSINESS (STB)**1131 Statistics for Business (3-0-3)**

Modern statistical methods as a basis for decision making; fundamentals of probability, discrete and continuous distributions, data reduction and display techniques, estimation, regression and correlation analysis, time series. Credit is not given for both STA 1021 and STB 1131.

1601 Operations Research (3-0-3)

Introduction to the use of deterministic management science and operations research methods applied to decision-making processes in industry; mathematical programming, inventory theory, optimization theory, queuing theory, game theory, scheduling, forecasting, heuristics.

Prerequisite: STB 1131.

TALMUD (TAL)

In this discipline, the first two digits of the course number designate the following levels within the discipline:

- 10 = Elementary
- 11 = Intermediate
- 12 = Advanced
- 49 = Special

In text courses, the tractate selected from the Babylonian Talmud for study may vary from year to year. When "laboratory" hours are indicated, they consist of supervised study for preparation and review of textual materials examined in the formal lectures.

During the period covered by this Catalog, it is anticipated that courses TAL 1001 through 1106 will be offered at James Striar School; 1105A through 1204B at Isaac Breuer College; and 1211 through 1218 at Yeshiva Program/Mazer School. Students should also note the related courses numbered JUD 1800-1899 (page 73).

1001, 1002 Elementary Talmud I (6-0-6)

Textual study of portions of a tractate with commentary of Rashi; emphasis on correct reading and translation, and on learning the Talmudic idiom.

1003, 1004 Elementary Talmud II (4-0-4)

Continuation of 1001, 1002.

1101; 1102 Intermediate Talmud I (6-0-6)

Six to ten folios each semester from a tractate selected by the faculty, with commentary of Rashi and selected Tosafot and Rishonim.

Prerequisite: TAL 1004 or equivalent.

1103; 1104 Intermediate Talmud II (6-0-6)

1103B; 1104B (8-0-8). Textual study of portions of a tractate with commentary of Rashi and selected Tosafot and Rishonim.

Prerequisite: TAL 1101; 1102 or equivalent.

1105; 1106 Intermediate Talmud III (8-0-8)

1105A; 1106A (5-0-3) or (6-0-3).

Continuation of 1103; 1104 or 1103B; 1104B.

1111, 1112 Intermediate Talmud IV (6-2-4)

1111A, 1112A (6-0-3)

1111B, 1112B (6-4-5)

Textual study of portions of a tractate with commentary of Rashi, all Tosafot, and selections from other classical commentaries.

Prerequisite: TAL 1106 or 1106A.

1113; 1114 Intermediate Talmud V (4-0-2)

Continuation of 1112; a modified course for non-majors.

Prerequisite: TAL 1112.

1121 through 1124 Selected Topics in Talmud (4-0-2)

1121B through 1124B (4-0-3)

Topics, chosen according to the needs and interests of the class, selected from diverse Talmudic texts and studied as coherent units utilizing classical commentators and codifiers.

Prerequisite: TAL 1112 or higher.

1201, 1202 Advanced Talmud I (6-2-4)

1201A, 1202A (6-0-3)

1201B, 1202B (6-4-5)

Advanced Talmud study, including self-preparation of text, emphasizing medieval and later commentaries. Content varies from year to year and course may be repeated for credit.

Prerequisite: TAL 1112 or permission of the instructor.

1203, 1204 Advanced Talmud II (6-2-4)

1203A, 1204A (6-0-3)

1203B, 1204B (6-4-5)

Advanced study of the Talmud, emphasizing critical analyses of texts and commentaries and development of the student's ability to prepare and collate studies in primary sources.

Prerequisite: TAL 1112 or higher and permission of the instructor.

1211 through 1218 Advanced Talmud

(8 credits a semester)

Texts of the Talmud studied intensively with the exegesis of Rashi and Tosafot and other ancient, medieval, and modern commentaries. The curriculum is based on a four-year cycle and covers some of the most important tractates of the Babylonian Talmud and their commentaries.

Prerequisite: previous intensive study of Talmud.

4901, 4902 Independent Study

For the description of this course, see page 28.

4911, 4912 Honors

For the description of this course, see page 28.

TAXATION (TAX)**2501 Federal Income Taxation (3-0-3)**

Analysis of the basic principles of federal income taxation as they apply to individuals, corporations, trusts, and estates.

Prerequisite: ACC 1102.

2502 Advanced Federal Income Taxation (3-0-3)

Federal income tax law and regulations, with emphasis on corporate taxation; tools and methods of tax research; review of the practice requirements of the Internal Revenue Service.

Prerequisite: TAX 2501.

YIDDISH (YID)

Instruction in Yiddish at Yeshiva University is supported and enriched through the generosity of the Anna and Harry Singer Endowed Fund for Yiddish Studies.

1101-1102 Elementary Course (3-0-3)

Introduction to the written and oral language, including basic vocabulary, grammar, composition, and conversation; Yiddish as the vernacular of Ashkenazic Jewry; simple literary and traditional texts.

1201-1202 Intermediate Course (3-0-3)

Continuation of study of grammar, composition, and conversation; history of Yiddish and its literature; readings from traditional and modern texts.

Prerequisite: YID 1101-1102 or equivalent.

HONOR ROLL OF DONORS TO UNDERGRADUATE PROGRAMS

The University issues a comprehensive *Honor Roll*, updated annually, as a supplement to the newspaper *The Jewish Week*. It lists the names of contributors in all major gift categories. This Catalog lists primarily those who have supported the various undergraduate schools. Additional donors are named in the Catalogs of the other schools.

Yeshiva University's continued maintenance and development rest in large measure with those farseeing men and women who recognize the importance of higher education as an instrument for the training of leadership, and the vital need to advance the University's special mission. The University is engaged in a \$400,000,000 Second Century Capital Campaign—the largest capital campaign ever undertaken for education in the history of the American Jewish community. Yeshiva University looks to its Second Century as a center of learning, research, and service for the nation and the Jewish community. Opportunities for giving include:

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Gift opportunities are many and as varied as the concerns of a dynamic institution. The vanguard of University support comprises the Benefactors and Guardians. Categories advancing specific disciplines and community services are the Business Founders, Yeshiva College Fellows, Stern College Fellows, Sy Syms School Fellows, Holocaust Studies Fellows, Sephardic Studies Fellows, and Master Builders. Through scholarships and loan funds, donors directly underwrite the students' education.

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The endowment of departments strengthens the University's academic programs and broadens students' opportunities.

Philip and Sarah Belz Department of Music of Yeshiva College

Rebecca Ivry Department of Jewish Studies of Stern College for Women

In addition, donors may choose to sustain programs in specific fields through the endowment of institutes of special study, lectures, and publication funds, or to dedicate vital facilities such as buildings, lecture halls, laboratories, classrooms, seminar rooms, and library areas. Each is named in perpetuity, in honor of the donor or a person designated. Many people have shared a major role in advancing the University's goals—and created a living memorial—by remembering the institution in their wills.

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Rosalind W. Alcott Scholarship Fund.

Dr. Samuel Belkin Undergraduate

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Harry and Rose Jacobs Foundation The late Mr. and Mrs. Jacobs left \$1,000,000, the income of which is to be used for scholarships at Yeshiva University and Albert Einstein College of Medicine.

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Max Stern Scholars In memory of the late honorary chairman of the Board of Trustees, a major figure in the University's growth and development, a fund established by the Max Stern Foundation provides exceptional students up to \$20,000 over the four undergraduate years as long as they maintain excellent academic achievement. It also supports special seminars, colloquia, and lectures.

Joseph and Faye Tanenbaum Scholarship.

Ivan L. Tillem Endowed Fund A fund established by the late Ivan L. Tillem for Stern College, to support a project or projects to be determined by the President of the University in consultation with the Dean of Stern College.

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Yeshiva University Women's Organization As part of its comprehensive program of activities in behalf of the University, the Yeshiva University Women's Organization makes available, each year, a number of annual scholarships for undergraduate students.

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Atran Foundation Resident Lectureship at Stern College for Women.

Alexander Brody Distinguished Service Lectureship in Economics Education at Yeshiva College.

Morris Epstein Forum of the Arts at Stern College for Women.

Hillel Rogoff Annual Memorial Lectureship in Yiddish Language and Culture, established by Mrs. Anna Rogoff and family, at Stern College for Women.

Herman Wouk Annual Lecture (on or about 19 Kislev), established in connection with the Abraham Wouk Family Professorship in English at Yeshiva College.

PRESIDENT'S CIRCLE

Comprising dedicated alumni primarily of the undergraduate schools, the President's Circle was established in 1989 to help advance undergraduate programs. Members serve on special committees that make recommendations on Jewish studies, general studies, and student life, based on meetings with student leaders, faculty, and administration—as well as their own experiences as undergraduates.

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UNIVERSITY ALUMNI AFFAIRS

Alumni Associations

Through June 1991 the undergraduate schools have granted 14,348 degrees and diplomas. Among the graduates are distinguished leaders in governmental service, education, law, medicine, business, social service, and science. Alumni associations of the various schools enable graduates to maintain close relationships with fellow students and faculty members, and to derive intellectual enrichment from the University while, in turn, contributing to its health and growth. Through meetings, cultural events, and periodicals, members keep abreast of University affairs and share mutual interests. Alumni associations serve as valuable vehicles for alumni-student exchange and involvement. Graduates of all schools receive *Alumni Review/Inside Yeshiva University* and are advised of programs of special interest to them. Regional alumni associations are forming in several areas of the United States and Canada. A Yeshiva University Alumni Association in Israel enables alumni there to keep in touch and to help graduates settle in that country.

The Office of University Alumni Affairs, located at the Joel Jablonski Campus, coordinates matters of concern and interest to alumni. It serves as a source of information and input for them, and as a liaison between the individual alumni associations.

Alumni Services

Members of the University's alumni associations have library privileges in the University libraries. They may also audit courses at their alma mater without tuition. For information, contact the Office of University Alumni Affairs.

Alumni associations subsidize several student activities each year, and individual alumni participate in periodic career-opportunities programs for undergraduates. Alumni also aid in recruitment activities and job placement for undergraduates.

Graduation Rates

The most recent statistics on the graduation rate of full-time, first-time students at Yeshiva University are as follows prescribed by the New York State Education Department in its Higher Education Data System:



	Base Number	Percent Granted Degrees		
		4 years	After 5 years	6 years
Fall 1979	368	33.1	45.1	49.2
Fall 1980	379	40.3	49.1	50.4
Fall 1981	488	36.3	48.2	50.2

(Note that Yeshiva University has bachelor's-master's programs that require six years for completion.)

When students with advanced standing are included, the figures become:

Fall 1979	455	44.8	54.9	58.5
Fall 1980	471	44.2	51.8	53.5
Fall 1981	673	44.4	55.6	57.1

PROGRAM CODES, TITLES, AND DEGREES

The following are the official designations of undergraduate program codes, titles, and degrees, as registered by the New York State Education Department.

Students should note that enrollment in other than a state-approved program may jeopardize their eligibility for certain student aid awards.

HEGIS Code	Program Number	Program Title	School(s)*	Degree**
0502	80225	Accounting	SSSB	B.S.
1111	11081	Bible (Hebrew Lang.)	IBC	B.S.
0401	11026	Biology	YC, SCW	B.A.
0506	86133	Business & Management ***	SSSB	B.S.
1905	11115	Chemistry	YC, SCW	B.A.
1101	11063	Classical Languages	YC	B.A.
0701	11048	Computer Sciences	YC, SCW	B.A.
2204	11126	Economics	YC, SCW	B.A.
1111	11075	Education (Hebrew Lang.)	IBC	B.A.
0802	11050	Elementary Education***	SCW	B.A.
1501	11099	English***	YC, SCW	B.A.
1102	11065	French	YC	B.A.
1111	11089	Hebrew	YC, SCW	B.A.
1111	11095	Hebrew	IBC	B.S.
5611	11068	Hebrew Lang., Lit., & Culture	JSS, IBC, SCW	A.A.
5611	77409	Hebrew Teacher	IBC, SCW	H.T.D.
2205	11128	History	YC, SCW	B.A.
1111	11080	Jewish History (Hebrew Lang.)	IBC	B.S.
1111	11085	Jewish Philosophy (Hebrew Lang.)	IBC	B.S.
1111	11090	Jewish Studies (Hebrew Lang.)	YC, SCW	B.A.
1701	11105	Mathematics***	YC, SCW	B.A.
1005	11062	Music	YC	B.A.
1509	11102	Philosophy	YC, SCW	B.A.
1902	11111	Physics	YC	B.A.
2207	11129	Political Science	YC, SCW	B.A.
1901	11108	Pre-Engineering	YC, SCW	B.A.
4902	09122	Pre-Health Sciences	YC, SCW	B.A.
2001	11116	Psychology	YC, SCW	B.A.
1111	11087	Sephardic Studies	IBC	B.S.
4999	11135	Shaped Major	SCW	B.A.
2208	11131	Sociology	YC, SCW	B.A.
1506	11100	Speech and Drama***	YC, SCW	B.A.
1111	11088	Talmud	IBC	B.S.

* The school(s) of the University at which the programs are offered are designated as follows: IBC—Isaac Breuer College of Hebraic Studies; JSS—James Striar School of General Jewish Studies; SCW—Stern College for Women; SSSB—Sy Syms School of Business; YC—Yeshiva College.

** Degrees and diplomas are abbreviated as follows: A.A.—Associate in Arts; B.A.—Bachelor of Arts; B.S.—Bachelor of Science; H.T.D.—Hebrew Teacher's Diploma.

*** Two or more elective concentrations are available in this program; see pages 50, 52, and 54 for details.

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YESHIVA UNIVERSITY SCHOOLS & AFFILIATES

Undergraduate Schools

YESHIVA COLLEGE
ISAAC BREUER COLLEGE
OF HEBRAIC STUDIES
JAMES STRIAR SCHOOL
OF GENERAL JEWISH STUDIES
YESHIVA PROGRAM/MAZER SCHOOL
OF TALMUDIC STUDIES
STERN COLLEGE FOR WOMEN
Rebecca Ivry Department
of Jewish Studies
SY SYMS SCHOOL OF BUSINESS

Graduate and Professional Schools

BERNARD REVEL GRADUATE SCHOOL
Harry Fischel School
for Higher Jewish Studies
DAVID J. AZRIELI GRADUATE INSTITUTE
OF JEWISH EDUCATION AND
ADMINISTRATION
ALBERT EINSTEIN COLLEGE
OF MEDICINE
SUE GOLDING GRADUATE DIVISION
OF MEDICAL SCIENCES
BELFER INSTITUTE FOR ADVANCED
BIOMEDICAL STUDIES
WURZWEILER SCHOOL
OF SOCIAL WORK
FERKAUF GRADUATE SCHOOL
OF PSYCHOLOGY
Robert M. Beren Center
Leonard and Murial Marcus Family
Project for the Study of the
Disturbed Adolescent
Center for Psychological and
Psychoeducational Services

BENJAMIN N. CARDOZO
SCHOOL OF LAW
JACOB BURNS INSTITUTE
FOR ADVANCED LEGAL STUDIES
Jacob Burns Center for Ethics in the
Practice of Law
Bet Tzedek Legal Services Clinic
Leonard and Bea Diener Institute
of Jewish Law
Samuel and Ronnie Heyman Center
on Corporate Governance
Howard M. Squadron Program in
Communications Law
Center for Professional Development
International Law and Human Rights
Program

Affiliates

RABBI ISAAC ELCHANAN
THEOLOGICAL SEMINARY
Rabbi Joseph B. Soloveitchik Center
of Rabbinic Studies
Caroline and Joseph S. Gruss Institute
in Jerusalem
Caroline and Joseph S. Gruss Kollel
Elyon (Post-Graduate Kollel
Program)
Marcos and Adina Katz Kollel
(Institute for Advanced Research
in Rabbinics)
Kollel l'Horaah (Yadin Yadin)
External Yadin Yadin
Chaver Program
Brookdale Chaplaincy Internship
Program
Maybaum Sephardic Fellowship
Program

Morris and Nellie L. Kawaler
Rabbinic Training Program
Gindi Program for the Enhancement of
Professional Rabbinics
Max Stern Division of Communal
Services
Carl and Sylvia Freyer Professional
Training Program in Community
Outreach
Rudin Continuing Rabbinic Education
Program
Irving I. Stone Rabbinic Internship
Program
Stone-Sapirstein Center
for Jewish Education
National Commission on Torah
Education
Dr. Joseph and Rachel Ades Sephardic
Community Outreach Program
Jacob E. Safra Institute of Sephardic
Studies
Institute of Yemenite Studies
Sephardic Community Program
PHILIP AND SARAH BELZ
SCHOOL OF JEWISH MUSIC
YESHIVA UNIVERSITY HIGH SCHOOLS
The Marsha Stern Talmudical
Academy—Yeshiva University
High School for Boys
Samuel H. Wang Yeshiva University
High School for Girls
YESHIVA OF LOS ANGELES

GIFTS AND BEQUESTS

Yeshiva University is a privately endowed institution deriving its support in the main from the gifts of its friends throughout the country.

There are many ways in which those who would like to associate themselves with the significant work of this citadel of learning can help. The University welcomes gifts designated for general purposes, to dedicate a facility, or for such other purposes as the donor may specify. Gifts may be in the form of a memorial to a person whom the donor designates or to the donor.

Full information may be secured from the Vice President for Development, Yeshiva University, 500 West 185th Street, New York, N.Y. 10033-3299, (212) 960-0863.

SUGGESTED FORM OF BEQUEST

I hereby give and bequeath to Yeshiva University, New York, the sum of \$ _____ to be used for the furtherance of its educational purposes.

